

Amazon E-Commerce Service

Developer Guide

Amazon E-Commerce Service: Developer Guide

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Welcome

Welcome to the Amazon E-Commerce Service (ECS) Software Development Kit (SDK). This SDK provides all the information you need to create Web sites or applications that integrate ECS as well as diagnose and resolve any problems that you may be having.

The SDK is divided into the following sections:

- [Getting Started](#)

The Getting Started section gives you the information you need to begin using ECS immediately, including how to sign up, an overview of ECS and tour of features.

- [Architecture and Planning Guide](#)

The Architecture and Planning Guide contains information about the architecture of and potential uses for ECS, including what data is provided through ECS, sample sites and development considerations.

- [Programming Guide](#)

The Programming Guide contains a detailed description of how to submit requests to ECS and the data that is returned by the service, as well as handling errors, using XSLT and troubleshooting guidelines.

- [API Reference](#)

The API Reference is a detailed reference to the syntax of ECS requests, including operations, response groups, searching and sorting. The API Reference also contains a detailed error list and WSDL/Schema locations and versioning information.

- The Release Notes contain the latest information about new features, changes, and known issues in the current version of ECS.

Getting Started

This document is intended to be the first information you read about Amazon E-Commerce Service (ECS). This guide will help you register to use ECS and help you find the resources you need to get your ECS-powered application underway.

Step 1: Registering as an Amazon Web Services Developer

In order to access ECS, you must first register with the Amazon Web Services program. Registration is free and takes only a few minutes. Once your registration is completed, you will be assigned a subscription ID that will allow you to access all ECS functionality.

Register on the [Amazon Web site](#)

Step 2: Evaluation and Planning

ECS has unlimited potential for a variety of applications. You're only limited by your own imagination and creativity. You can integrate ECS with your own Web site or application in a wide variety of ways.

- Read the ECS [Architecture and Planning Guide](#) to find out more about your options.

Step 3 (Existing Developers): Upgrading your Existing Applications

If you have a Web site or application that uses a previous version of ECS, you will need to modify it to work with the new features of the current version.

- Find the new [WSDL and versioning information](#) (SOAP users).
- [Migrate your existing application](#).

Accessing Other ECS Resources

To learn more about how ECS works and how to use it, we suggest the following:

- Read the [Programming Guide](#) to get started with developing your own application.
- Download the ECS [sample applications](#).
- Visit the [Amazon Web Services Discussion Board](#) to find out what other ECS developers are doing and to get help with any questions you have.
- Participate in the weekly developer chat to learn more about ECS and talk to Amazon Developer Support. See the chat schedule on the [discussion board](#).

Amazon E-Commerce Service Sample Applications

Amazon has created several simple sample applications to help you get started with Amazon E-Commerce Service (ECS) and to show you how to access ECS in a variety of languages. All samples may be downloaded at <http://www.amazon.com/gp/browse.html/?node=3434641>.

Perl Pricing Tool Sample

Perl command-line application that accepts an ASIN and uses the ECS ItemLookup operation to retrieve all the current prices for that item on Amazon. Demonstrates how to make a REST request and process the result.

Perl ItemSearch SOAP Sample

Perl command-line application that uses the ECS ItemSearch operation to retrieve Amazon books that match specific keywords. Demonstrates how to make a SOAP request and process the results.

Perl ItemSearch REST Sample

Perl command-line application that uses the ECS ItemSearch operation to retrieve Amazon books that match specific keywords. Demonstrates how to make a REST request and process the results.

Java SOAP and REST Sample

Java applet that demonstrates how to use every ECS operation in REST and SOAP. Useful for learning how to use Java to create and submit ECS requests in REST and SOAP. Complete JavaDocs for this sample are also available for download.

To get started with each of the samples, download the sample's zip file from the URL above, unzip the file, and read the document named README.txt.

Support Resources

There are several ways to request support and interact with members of the Amazon Web Services team.

- [Discussion Board](#)
- [Announcement Board](#)
- [Developer Chat](#)
- [E-mail Support](#)
- [AWS Blog](#)

Discussion Board

The AWS Discussion Board should be your primary method for requesting and receiving support from the Amazon Web Services Team. All questions about functionality, bug reports, feature requests, questions about the AWS Licensing Agreement, and general feedback about Amazon Web Services should be posted on the Discussion Board.

The AWS Discussion Board is monitored by Amazon employees every day. Additionally, members of our very active network of developers follow Discussion Board topics and respond to many of the questions posted there. We encourage you to read the Discussion Board frequently as you use the Amazon E-Commerce Service (ECS) and leverage the collective knowledge of the growing Amazon developer community. As you learn more about ECS, we also encourage you to become an active participant in the community by responding to postings when and as appropriate. If you find a resource that you believe would be of value to your fellow developers, do not hesitate to post it to the board.

Here are a few guidelines for using the Discussion Board. Following these will ensure that your answer receives prompt attention from Amazon or your fellow developers:

- When reporting bugs, always include the following in your posts to the Discussion Board:
 - Access method (SOAP or REST)
 - Language you used to generate request, if applicable (i.e., Java Axis, PHP, etc.)
 - Full URL to your XSL style sheet, if applicable
 - Full request information, including all parameters and values
 - The RequestId that came back in the response, if applicable
 - Expected results
 - Actual results, including error messages, if applicable
 - A statement of what you were trying to accomplish with the call

Note: Please take care not to post Your Access Key ID Here to the Discussion Board.

- When asking questions or requesting new features, be as detailed as possible.
- When reporting performance or functional problems with the service, be as detailed as possible. Let us know how the problems are affecting your use of ECS and what time the problems started. If possible, please also let us know what countries are being affected by the problem. Before reporting an outage or performance problem, please check the AWS Discussion and Announcement Board to ensure that the problem is not the result of a planned event.

The AWS Discussion Board is located here: <http://forums.prospero.com/am-assocdevxml>

Announcement Board

The Amazon Web Services team posts general updates about the AWS program and the status of the services on the AWS Announcement Board. The AWS Developer Chat schedule is posted on the AWS Announcement Board, as well. We recommend checking the Announcement Board once a week for new information.

The AWS Announcement Board is located here: <http://forums.prospero.com/am-assosdev>.

Developer Chat

The Amazon Web Services team regularly hosts live developer chats. During these chats, you may discuss feature requests, existing and upcoming functionality, bugs, and program updates with members of the Amazon Web Services team. For the current chat schedule, please see the AWS Announcement Board.

The AWS Developer Chat is located at <http://forums.prospero.com/am-assocdevxml/chat>. In addition to joining us for the Amazon-hosted chats, feel free to chat with other developers here anytime.

E-mail Support

It is best to handle support requests through the Discussion Board, so others can learn from your experience. You may also write to our e-mail support address if:

- You would like to discuss a confidential application idea with a member of the Amazon Web Services team
- You have questions about the AWS Licensing Agreement that you do not wish to share with the AWS developer community on the Discussion Board
- You have a problem related to your personal developer account that you do not wish to share with the AWS developer community on the Discussion Board

If your question falls in one of the three categories above, please email us at webservices@amazon.com.

AWS Blog

Members of the Amazon Web Services Developer Relations Team maintain a few blogs. There are currently two blogs:

- English: <http://aws.typepad.com>
- Japanese: http://aws.typepad.com/aws_jp/

The blogs contain information on new releases of AWS, products built with AWS, and links to articles that we believe will be of interest to the AWS developer community.

Contributions for the newsletter are always welcome. Just send e-mail to awseditor@amazon.com.

Architecture and Planning Guide

This document is intended to help you evaluate potential uses of Amazon E-Commerce Service (ECS) and plan your own ECS-enabled Web site or application.

ECS allows developers and vendors to take advantage of Amazon's leading edge technology. Through Web services, Amazon has created opportunities for many individuals to participate in and benefit from online commerce. With the latest version of ECS, Amazon has created a strong platform that will serve as a springboard for future growth.

The following sections describe the architecture of ECS as well as ways that you can use ECS to create or strengthen your online presence.

- [Data Available through ECS](#)
- [Business Opportunities and Sample Sites](#)
- [Development Considerations](#)

Data Available Through ECS

The Amazon Web sites enable product sales from Amazon plus many other vendors. The products available through the Amazon E-Commerce Service (ECS) draw from this huge inventory and include a majority of the products available on an Amazon Web site. ECS is available for all of the Amazon sites:

- US (amazon.com)
- UK (amazon.co.uk)
- Germany (amazon.de)
- Japan (amazon.co.jp)
- France (amazon.fr)
- Canada (amazon.ca)

Through ECS, you can access:

- Product data: Product data includes information about product availability and pricing for items in the Amazon catalog.
- Content from customers: Content from customers include reviews, wish lists, and listmania lists.
- Seller information: Seller information includes general information and customer feedback about the wide range of vendors on the Amazon site.
- Marketplace product listings: A great number of third-party products are available, including products sold by smaller vendors on the Amazon Web sites.
- Shopping carts: Use ECS to manage shopping carts of products for purchase through Amazon. This allows you to receive commissions on sales that originate with your Web site or application.

Amazon data that *cannot* be seen includes:

- Copyrighted or proprietary data that is owned by a third party who has not given permission for their data to be available through ECS
- A small amount of other data that Amazon has excluded for technical or proprietary reasons

ECS is a *read-only* system--that is, product data cannot be sent back to Amazon via ECS. The only data that is transmitted back to Amazon is information about the shopping cart and its contents, to allow the customer to complete their purchase. So you cannot, for example, use ECS to allow customers to create wish lists or reviews and submit them to the Amazon Web site. Additionally, if you are selling products through amazon.com, you cannot use ECS to define new products or manage your inventory, you must use the Automated Inventory Management System (AIMS) or other tools on Amazon.com (see <http://www.amazon.com/exec/obidos/tg/browse/-/1161232/>).

Business Opportunities and Sample Sites

Amazon E-Commerce Service (ECS) has unlimited potential for a variety of applications--you're only limited by your own imagination and creativity. You can integrate ECS with your own Web site or Web services in a wide variety of ways.

This section of the documentation describes some of the ways you can earn money using ECS and provides sample applications and Web sites that are already benefiting from Amazon's technology platform.

Earn Commissions on Amazon Purchases through the Amazon Associates Program

As an Amazon Associate, you can earn money by providing links from your Web site to Amazon. When someone purchases items on Amazon through your links, you'll earn a commission through the Amazon Associates Program. ECS makes you more successful as an Associate by giving you access to extensive product information that you may in turn use to merchandise products better on your Web site or application.

Here are some links to sample Associate sites that are already powered by ECS:

- [Power tool specialty site](#)
- [University book store with wide book selection](#)
- [Specialty site merchandising across many product categories](#)
- [Unique site offering a different shopping experience](#)

You can learn more about the Amazon Associates Program by visiting one of these site:

- <http://www.amazon.com/associates>
- <http://www.amazon.co.uk/associates>
- <http://www.amazon.de/partner>
- <http://www.amazon.co.jp/exec/obidos/subst/associates/join/associates.html>
- <http://www.amazon.fr/partenaires>
- <http://www.amazon.ca/associates>

Sell Your Marketplace Items Faster

As a seller in [Amazon's Marketplace program](#), you can sell used, new, refurbished, or collectible items on Amazon. To price your products more competitively, use ECS to find out how your competitors are pricing those products. You'll maximize your prices while ensuring that your inventory moves. You may also use ECS to get more information about the products you are selling. Marketplace Seller, [thrift_books](#), is an example of someone already taking advantage of ECS.

If you want to use ECS for Marketplace product pricing but you don't want to build an application to retrieve prices yourself, you can use a software tool provided by a third-party software provider, such as [Monsoon Retail](#) or [Seller Engine](#).

You can learn more about the Amazon Sellers Program by visiting one of these site:

- <http://www.amazon.com/exec/obidos/subst/misc/sell-your-stuff.html>

- <http://www.amazon.co.uk/exec/obidos/tg/stores/static/-/used/sell-your-stuff>
- <http://www.amazon.de/exec/obidos/tg/stores/static/-/used/sell-your-stuff>
- <http://www.amazon.co.jp/exec/obidos/tg/static/-/used-store/sell-your-stuff>
- <http://www.amazon.fr/exec/obidos/tg/static/-/used-store/sell-your-stuff>
- <http://www.amazon.ca/exec/obidos/subst/marketplace/sell-your-stuff.html>

Use Amazon as a Platform for Your Online Store

As an Amazon Merchant partner (US only), you can upload your inventory to Amazon's catalog and your products will be featured alongside products from other merchants, such as Amazon, Target, Borders, Harry & David, Nordstrom, and many others. But what if you want to create a site that features only your products? Can ECS help you create your own site?

Yes! Using ECS, you can programmatically retrieve details about your products, as well as the latest pricing and availability information, to create a rich Web site that leverages Amazon's technology platform, including our catalog and shopping cart.

Develop Software Applications to Help Others Use Amazon

Store builders:

As a developer, you may choose to create a store builder application that creates part or all of a Web site for an Amazon Associate, Marketplace Seller, or Merchant. Store builders make it very easy for less technical vendors or Web site owners to create a customized Web experience for their customers. Here are some example sites offering store builders:

- [Associate Engine](#)
- [Amazon Products Feed](#)
- [Associates Shop](#)
- [Active Circle](#)
- [Pulver Technologies](#)

Amazon Marketplace Management Software:

Another option is to create productivity software for Amazon's large Marketplace Seller community. Marketplace Sellers are interested in software that helps them price their products competitively based on prices of products already listed on Amazon. They're also interested in tools that integrate pricing and inventory management functionality. Here are a few examples of developers in this space:

- [Seller Engine](#)
- [Monsoon Retail](#)
- [Scout Pal](#)

Integration Software Services:

Some developers and development firms provide highly customized integration services that result in high quality, technical solutions that meet the needs of specific vendors or Associates. Development groups that offer these kinds of services include:

- [Wrinkle Brain](#)

- [Mercent](#)
- [Monsoon Retail](#)
- [Pulver Technologies](#)

Development Considerations with Amazon E-Commerce Service (ECS)

General Considerations

A central tenet of Web services is the use of standardized protocols. By supporting this pervasive set of standards (SOAP and REST for initiating requests and XML for results, layered on a foundation of standard Internet protocols), Amazon.com reduces the amount of work that a developer must do to integrate with the Amazon Web sites and opens the door to the use of a wide variety of existing tools and toolkits.

An important and useful property of REST is the fact that you can use your web browser as a development and prototyping tool. Without writing any code, you can simply enter an ECS request URL into your browser, and hit the "Go" button (or equivalent) to make your request. The browser will make an HTTP GET request to the ECS server and display the result. If you are using Internet Explorer, the XML data returned by ECS is displayed in a convenient and readable outline form. You can expand and collapse logical sections of the data by clicking on the "+" and "-" symbols displayed to the left of the actual data.

As convenient as this is, this is only a first step. If you are building a server-based application using ECS, you will ultimately find yourself writing some code to make the request and to handle the results. The exact way to do this is of course dependent on your operating system and programming language. Fortunately, almost every operating system and programming language has the ability to issue an HTTP GET request and to parse (process) the results. Quite often these capabilities are provided as part of a "toolkit" or other add-on. Although space precludes an exhaustive treatment of this topic, here are some recommendations to get you started:

Language	Get	Parse
Perl	LWP	XML::Simple or XML::XPath
PHP	PHP Interface to Curl	PHP Interface to Expat
VB.Net, C#	System.Net.WebRequest	System.Xml.XmlTextReader
VB6	WinInet	MSXML
Python	urllib	xmlparser
Java	java.net.URLConnection	JAXP

Static vs. Dynamic Data Pages

In order to fairly allocate access to all users, Amazon currently restricts ECS use to one call per second per client IP address. For most users, this is not a limiting factor. However you should consider your prospective use carefully before widespread deployment. For example, one developer created an application that integrated ECS' ability to retrieve CD cover art into their music application. However they retrieved this information live, and once the application was deployed on thousands of desktops, each with a collection of hundreds of music tracks, ECS was barraged with massive volumes of ECS request, far in excess of one per second.

Note also that your agreements with Amazon prohibit certain types of data being stored locally for long

periods of time. Depending on your application, you may choose to mine extensive data at off-peak times to create static displays of commonly used data on your site or application, but such data must be refreshed periodically, especially volatile price data.

Before deploying a potentially high-volume application, you may want to chat with other developers on the chat board or consult with ECS Developer Relations staff to ensure that you do not exceed the development community's usage expectations.

Connecting with the Developer Community

To support developers, Amazon provides the following resources:

- An online discussion board at <http://forums.prospero.com/am-assocdevxml>. Developers can post questions and answers; members of the Amazon team participate as frequently as possible. Maintaining a good attitude and a strong sense of community on the board helps new developers to feel welcome and at home.
- Frequent updates to the platform, with complete release notes on new and changed features.
- Regular online chats on the discussion board with developers. Amazon has found that the chats are a great way to get and to provide instantaneous feedback and support to small groups of developers.
- Newsletters provide developers with another avenue for learning about changes to the platform, and provide Amazon.com with a forum to publish "must-see" information.
- Online FAQ at <http://www.amazon.com/gp/browse.html/?node=3434651>. Publishing and frequent updates to the FAQ (Frequently Asked Questions) list keeps routine questions from overwhelming the other support channels.

Programming Guide

This programming guide is an introduction to using Amazon E-Commerce Service (ECS)—what ECS is, how to access services and how to interpret the output that is returned to you.

If you have not yet registered as an ECS developer and received Your Access Key ID Here, you might want to do that now by going to the [Amazon Web site](#), so that you can try out the REST examples embedded throughout this documentation.

- [Introduction](#)
- [Conceptual Overview of the ECS Data Model](#)
- [Making Operation Requests to ECS](#)
- [Working with the XML Data Output from ECS](#)
- [Handling Error Codes](#)
- [Using XSLT with ECS](#)
- [Troubleshooting your Application](#)

Introduction to Amazon E-Commerce Service (ECS)

ECS is an API that allows you to access Amazon data and functionality through a Web site or Web-enabled application. ECS follows the standard Web services model: users of the service request data through XML over HTTP (REST) or SOAP and data is returned by the service as an XML-formatted stream of text.

Throughout this programming guide, we will include REST examples that you can use with your browser to quickly and easily see how to formulate calls to ECS and review the results. We recommend that you review this documentation with an Internet-enabled computer so that you can try out ECS requests as you go and immediately see the power and flexibility of ECS.

ECS is currently incorporated in thousands of Web sites and applications around the world in many different ways. The [Planning Guide](#) describes some of those ways and provides sample sites that you can visit. In addition, Amazon partners use ECS for competitive pricing, inventory management, and many other online retailing tasks.

ECS is available for all Amazon sites:

- US ([amazon.com](#))
- UK ([amazon.co.uk](#))
- Germany ([amazon.de](#))
- Japan ([amazon.co.jp](#))
- France ([amazon.fr](#))
- Canada ([amazon.ca](#))

Selecting a Web Services Access Method

You have two options for accessing ECS:

- [Making SOAP requests](#)
- [Making REST requests](#)

Locale-Specific Features

Locale-specific features are listed below.

Feature	Locale limitations
Amazon product database	The products available on the different sites vary greatly.
Identifiers	The identifiers used on each site are unique to that site. The names and usage of the identifiers is common to all sites, but their values are different. For example, the identifier (ASIN) for a book will be different for each site.
Customer-supplied content	Reviews supplied by customers are stored only on the site where they were created.
Customer information	Customer accounts exist on the site where they were created, and

Feature	Locale limitations
	are not available through other sites. So customers with a JP account cannot purchase products on the DE site without creating a new account. Customer information such as wishlists are available only on the site where the customer has their account.
Merchants	US only. Merchants are large Amazon partners (typically large retailers) with extensive product lines available through the Amazon Web sites.
In-store pickup	US only.
Variations	US only.

A Conceptual Overview of the Amazon E-Commerce Service (ECS) Data Model

There are two types of data available through ECS:

1. Amazon product data. The bulk of the Amazon catalog of products is available through ECS. There are three ways to consider the Amazon product data as returned by ECS.
 - a. The Offers Model. Amazon's Web sites carry products from many vendors. A given product may be available through more than one vendor, on different terms and conditions, at a different price and in a different condition (new, used, etc.). If you are interested in offering Amazon products for sale, you must work with these product offers to get current price and availability.

ECS Offers Data Model



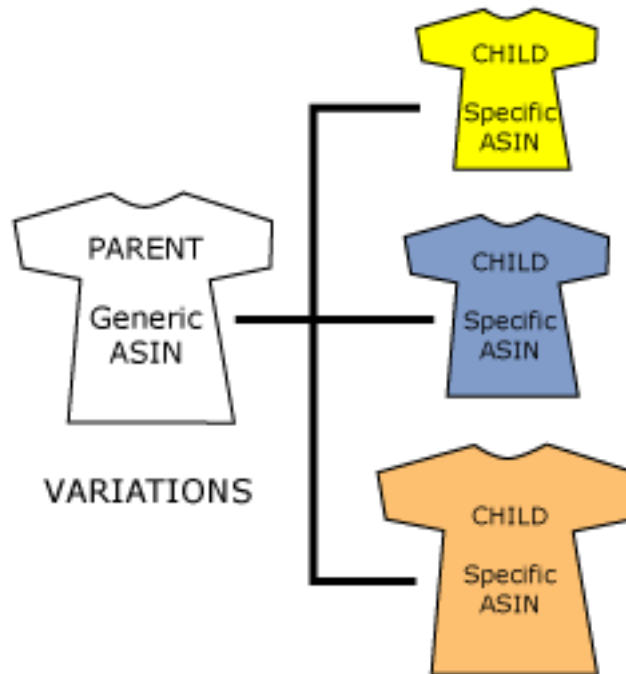
Item-Offers-OfferListings

- b. The Variations Model. Some products such as apparel and sporting goods are not available in a single version. For these products, you must specify other variation values such as size and color before purchasing the product. If you wish to work with multi-version products, you must be able to extract variation information from ECS.

ASINs can be related in parent-child associations. For example, "Shoe" can be the parent ASIN of "Men's Shoes" and "Women's Shoes." In general, parent ASINs are abstractions, such as Shoe, Car, Shirt, and Book. Child ASINs are specific instances of the parent ASINs, for example, a blue shirt, size Large, sold by Eddy Bauer. Because parent ASINs are abstractions, they do not contain offers and often are not associated with images. It is therefore possible to do an ItemSearch and get zero TotalItems yet also have in the response a list of items. Zero is returned because the ASIN happened to be a parent ASIN that does not include offers. The

items included in the response are, instead, associated with its child ASINs.

ECS Variations Data Model



- c. **Item Images and Attributes.** Every product in ECS consists of images of the product as well as a set of attributes, which varies by product type. ECS has over 200 different attribute fields to completely describe items in each product line.
2. **Other data.** ECS provides access to other data that is adjunct to the product catalog. Through ECS, you can retrieve individual wish lists and listmania lists as well as basic public information about customers. You can also access seller product listings and customer feedback about individual sellers.

Making Operation Requests to Amazon E-Commerce Service (ECS)

Operations requests invoke ECS to perform its various functions.

Before beginning to work with operations, you need a basic understanding of the operations available and how standard requests are constructed and submitted.

- [Introduction and Overview of Operations](#)
- [Making REST Requests](#)
- [Making SOAP Requests](#)
- [Common Parameters](#)

ECS allows you to retrieve product information from its catalog.

- [Searching for Products](#)
- [Looking up Product Data](#)

Other ECS operations allow you to build a shopping cart for users, retrieve customer information, and get seller information.

- [Using the ECS Shopping Cart](#)
- [Looking up Customer Information](#)
- [Looking up Seller Information](#)
- [Getting Product Listings for Marketplace Sellers](#)

Finally, several operations provide various other functions in ECS.

- [Using the HELP Operation](#)
- [Combining Operations into a Single Request](#)
- [Searching for Restaurants](#)
- [Getting Transaction Data](#)

Introduction and Overview of Operations

Searches and Lookups

Amazon E-Commerce Service (ECS) provides two types of inquiries:

- A *search* is a request that returns information matching the specified criteria. Searches can return no data (if nothing matches the criteria specified) or multiple objects that match. An example of a search might be to retrieve all videos directed by Stanley Kubrick.
- A *lookup* is a request for a specific object or set of objects, specified by a unique identifier(s). An example of a lookup might be to retrieve information about a book by its Amazon Standard Identification Number (ASIN).

ECS provides search and lookup requests for products, restaurants, customers, and sellers.

Summary of the Operation Requests

The following operations are available through ECS.

Product Data

Product data operations allow you to look up Amazon products, either by searching for groups of products or by looking up specific items.

ECS Operation	Description
ItemSearch	Search the product database using a one of a variety of possible criteria.
ItemLookup	Look up specific product(s) in the Amazon database.
SimilarityLookup	Look up products that are similar to specific other products.
SellerListingSearch	Search for seller product listings (Marketplace).
SellerListingLookup	Look up a specific Marketplace product listing from a particular seller.

Shopping Cart

[The shopping cart operations](#) allow you to create a shopping cart of items and hand it off to Amazon so the customer can purchase the selected items.

ECS Operation	Description
CartCreate	Create a shopping cart and add an item(s).
CartAdd	Add products to the shopping cart
CartModify	Change quantities or status of entries in the shopping cart.
CartClear	Clear all entries in a shopping cart
CartGet	Get the contents of a shopping cart with updated price and availability information.

Customer Content

[Customer content operations](#) allow you to look up publicly available customer content, such as reviews, wish lists and Listmania lists.

ECS Operation	Description
CustomerContentSearch	Search for customers.
CustomerContentLookup	Look up specific customer(s) information (location/name/reviews).

ECS Operation	Description
ListLookup	Look up specific list(s) created by customers.
ListSearch	Search for customer-created lists.

Seller Information

ECS allows you to look up feedback on specific sellers and get seller product listings.

ECS Operation	Description
SellerLookup	Look up information about a specific seller.

Other Operations

ECS Operation	Description
BrowseNodeLookup	Returns information about a browse node, including child nodes.
Help	Returns information about how to use an ECS operation or about what to expect from ECS response groups.
TransactionLookup	Look up the amount of a specific transaction.

Making REST Requests

This section explains how to use REST (Representational State Transfer) to make requests through Amazon E-Commerce Service (ECS). REST is a Web services protocol that was created by Roy Fielding in his Ph.D. thesis (see [Architectural Styles and the Design of Network-based Software Architectures](#) for more details about REST).

REST allows you to make calls to ECS by passing parameter keys and values in a URL (Uniform Resource Locator). ECS returns its response in XML (Extensible Markup Language) format. You can experiment with ECS requests and responses using nothing more than a Web browser that is capable of displaying XML documents. Simply enter the REST URL into the browser's address bar, and the browser displays the raw XML response.

The Base URL

Every REST request to ECS begins with a base URL that is specific to the locale in which you want to make the request. The following base URLs are available:

For Amazon.com (US)

`http://webservices.amazon.com/onca/xml?Service=AWSECommerceService`

For Amazon.co.uk (UK)

`http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService`

For Amazon.de (DE)

`http://webservices.amazon.de/onca/xml?Service=AWSECommerceService`

For Amazon.co.jp (JP)

`http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService`

For Amazon.fr (FR)

`http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService`

For Amazon.ca (CA)

`http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService`

Request Parameters

The base URL is followed by a series of parameters that define the request. Parameters are separated from the base URL and each other by an ampersand (&) character. Each parameter consists of a key and a value, separated from each other by an equals sign (=). Note that parameters and their values are case-sensitive; for example, `Operation=ItemSearch` works correctly, but `operation=itemsearch` produces an error.

The following example shows a simple REST request that searches for books on Amazon.com that are about dogs:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[your Access Key ID here]
&Operation=ItemSearch
&SearchIndex=Books
&Keywords=dog
```

The parameters in the example are described below:

AWSAccessKeyId=[your Access Key ID here]

AWSAccessKeyId is required in all ECS requests. You must sign up for a Access Key ID before you can use ECS by going to `aws.amazon.com`. Previous to ECS 4.0 version 2006-03-08, requests had to contain a Subscription ID. *AWSAccessKeyId* and Subscription IDs can still be used in ECS requests. Going forward, however, ECS will only distribute Access Key IDs to new ECS 4.0 developers. For more information, see the section, Access Key ID, below.

Operation=ItemSearch

Operation is required in all ECS requests. The *Operation* parameter tells ECS what action it

should perform. In the example, the operation is `ItemSearch`, which tells ECS to perform a search for products in the Amazon.com catalog that meet particular criteria.

SearchIndex=Books

`SearchIndex` is required by the `ItemSearch` operation. `SearchIndex` tells the `ItemSearch` operation what type of product to search for. The example searches through the Books index; there are many other search indexes available (see [Search Index Values](#) for a complete list of available `SearchIndex` values).

Keywords=dog

`Keywords` tells the `ItemSearch` operation to search the Amazon.com catalog for specific text values. In the example, the request searches for the word "dog."

You may specify more than one keyword to search for; separate multiple keywords using URL-encoded space characters (%20). For example, to search for cats and dogs, specify `keywords=cats%20dogs` in the request. Other non-alphanumeric characters must also be URL-encoded. You may find reference charts for URL encoding at [i-Technica](#) and [W3 Schools](#).

Access Key ID

Prior to ECS 4.0 version 2006-03-08, every ECS 4.0 request had to have in it a Subscription ID. Starting with version 2006-03-08, ECS stopped distributing Subscription IDs and started distributing Access Key IDs, which is a new means of identifying the request sender. This twenty-character alphanumeric ID is included in ECS requests using the `AWSAccessKeyId` parameter. ECS switched to Access Key IDs to support the authentication of requests.

`AWSAccessKeyId` and Subscription IDs continue to work in ECS 4.0. You can use `AWSAccessKeyId` instead of `AWSAccessKeyId`. You cannot, however, use Your Access Key ID Here as the value for `AWSAccessKeyId`. Every ECS 4.0 request must include either a `AWSAccessKeyId` or an `AWSAccessKeyId`, but not both, for example,

```
http://webservices.amazon.com/onca/xml
  ?Service=AWSECommerceService
  &AWSAccessKeyId=[Your Access Key ID]
  &Operation=ItemLookup
  &ItemId=[An ASIN]
```

Access Key IDs are a forward-looking part of request and user authentication that will be more fully implemented in the future.

Getting an Access Key ID

If you are new to ECS, you must register to become an ECS 4.0 developer. To register, point your browser at <http://aws.amazon.com> and click the *Register for AWS* link. Once you have registered, you will be assigned an Access Key ID.

If you are already an ECS 4.0 developer and have a Subscription ID, you will be assigned an Access Key ID automatically. To view your Access Key ID, point your browser at <http://aws.amazon.com> and click the *Your Web Services Account* button and pull down to the *View Access Key Identifiers* option. Your Access Key ID and Secret Access Key display.

Secret Access Key

A Secret Access Key is a shared secret between you and Amazon. The key identifies you as a request sender and will be used in the future to authenticate requests. Currently, as an ECS developer, you have no need to use the Secret Access Key. However, you should carefully guard this key. Never put it into an ECS request. Do not use it as the value for your Access Key ID. If you ever suspect that the secrecy of this number has been compromised, Email Amazon immediately at [<webservices@amazon.com>](mailto:webservices@amazon.com)

and you will be assigned a new Secret Access Key.

Using Access Key IDs

If you include your Access Key ID in the applications you create and distribute, you must maintain a way of contacting your customers in case your Access Key ID changes. It might change, for example, if your Secret Access Key is compromised. An alternative strategy is to require your customers to register with ECS so that they use their own Access Key ID in their requests.

There is never a case in which you should share your Secret Access Key, even in an encrypted form.

Controlling Return Data with Response Groups

You can control how much and what kinds of data are returned in a response by specifying the *ResponseGroup* parameter. If you omit the *ResponseGroup* parameter, ECS returns a default set of response groups, depending on the operation you call. Explicitly including one or more response groups in a request refines the output from an operation and allows you to tailor response data to fit the needs of your application.

For example, the *ItemSearch* request in the previous section returns two default response groups: *Request* and *Small*. Here is the same request, this time with the *ResponseGroup* parameter filled in. This request returns exactly the same response as the first example.

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=ItemSearch
&SearchIndex=Books
&Keywords=dog
&ResponseGroup=Request,Small
```

Notice that the values for *ResponseGroup* are separated by commas, without any spaces. You may specify as many response groups as you wish.

The *Request* response group simply returns the list of parameters and values you used to make the request. This information is useful in debugging requests. *Request* is a default response group for every operation.

The *Small* response group returns global, item-level data about items included in the response. Such data includes the item's Amazon Standard Item Number (ASIN), name, creator (for example, author or artist), product group, URL, and manufacturer. You can expand the information returned by specifying a larger response group, such as *Medium* or *Large*. You can also narrow the response to include specific information about each item by specifying response groups like *Images* or *Accessories*. See [Response Groups](#) for a complete list of available response groups and what data each of them contains.

The following example uses the *ItemIds* response group to retrieve only the ASINs for books about dogs:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=ItemSearch
&SearchIndex=Books
&Keywords=dog
&ResponseGroup=ItemIds
```

Note that the data returned by a response group is dependent on the operation that is being called. For example, the *ItemIds* response group returns only an item ID when used with the *ItemLookup* operation, but it returns both item IDs and the total number of items found if used with the *ItemSearch* operation.

Making SOAP Requests

SOAP (Simple Object Access Protocol) lets third-party developers use Amazon E-Commerce Service (ECS) by making remote procedure calls. This information is encoded using XML (Extensible Markup Language), although this is transparent to you in the course of normal usage. ECS publishes a Web Services Description Language (WSDL) document that defines all the available ECS APIs, their parameters, and the data that they return (see [WSDL Location](#) for more information about the ECS WSDL).

The SOAP End Points

For Amazon.com (US) data

```
http://webservices.amazon.com/onca/soap?Service=AWSECommerceService
```

For Amazon.co.uk (UK) data

```
http://webservices.amazon.co.uk/onca/soap?Service=AWSECommerceService
```

For Amazon.de (DE) data

```
http://webservices.amazon.de/onca/soap?Service=AWSECommerceService
```

For Amazon.co.jp (JP) data

```
http://webservices.amazon.co.jp/onca/soap?Service=AWSECommerceService
```

For Amazon.fr (FR) data

```
http://webservices.amazon.fr/onca/soap?Service=AWSECommerceService
```

For Amazon.ca (CA) data

```
http://webservices.amazon.ca/onca/soap?Service=AWSECommerceService
```

Common Parameters to all Operation Requests

Operations in Amazon E-Commerce Service (ECS) take a variety of parameters. The parameters that are common to all operations, for both SOAP and REST, are listed below.

- [Required Parameters](#)
- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

Required Parameters

The parameters in the table below are required for every ECS operation request.

Required parameters for every ECS operation

Parameter	Value	Description
Service	AWSECommerceService	Specifies the ECS service
AWSAccessKeyId	Your Amazon-assigned Access Key ID	You can register for an Access Key ID from the Amazon Web site if you do not have one. Every ECS 4.0 request must contain either an Access Key ID or a Subscription ID but not both.
SubscriptionId	Your Amazon-assigned subscription ID	Every ECS 4.0 request must contain either an Access Key ID or a Subscription ID but not both. Starting with version 2006-03-08, ECS stopped distributing Subscription IDs. If you already have one, it will continue to work.
Operation	Operation you wish to perform	One of the ECS operation types .
Version	Version of ECS 4.0 WSDL	This parameter is optional, The default is 2005-10-05. If you want another version, including the latest, you must specify it in your request.

General Parameters

General parameters that are optional to any ECS request

Parameter	Value	Description
Marketplace		Reserved for future use.
AssociateTag	An Amazon-assigned Associate tag	Use the <i>AssociateTag</i> parameter to specify your Associate ID. The <i>AssociateTag</i> allows product URLs returned by ECS to be tagged as originating from your Associates Web site. Be sure to specify the tag value correctly, as no error is generated for incorrect tag values. If you use those product URLs to link to Amazon, the Associate account connected to the <i>AssociateTag</i> you specify will be credited for traffic and items sold through your links. Since you do not need to

Parameter	Value	Description
		be an Associate to use ECS, <i>AssociateTag</i> is not a required parameter. If you do not include <i>AssociateTag</i> in your requests, a default Associate tag will be embedded in the product URLs in ECS responses.
MerchantId	An alphanumeric identity assigned by Amazon to a merchant.	Use the <i>MerchantId</i> parameter to specify one or more merchants. <i>MerchantId</i> is an alphanumeric identity that specifies a merchant. It can have three settings: All, in which all merchants are included in the response, an alphanumeric identity that specifies a single merchant, or FeaturedBuy-BoxMerchant, which returns the merchant identified as the "Buy Box Winner" on a specific detail page. The "Buy Box Winner" is the merchant associated with the sale of the item listed in the Buy Box, which is the box on an item's detail page that enables you to add an item to a shopping cart. The default value for MerchantId is "Amazon."
ResponseGroup		Specifies what data is to be returned by the current operation; allows you to control the volume and content of returned data. For details about using ResponseGroup with each operation, check the operation pages .

XSL Parameters

If you are [using an XSL stylesheet](#) to specify the output you want returned by ECS, you may need to include the following (optional) parameters:

Parameter	Value	Description
Style	Default Value: XML Valid Values: XML A URL to a stylesheet	The <i>Style</i> parameter applies to REST requests only. Use the <i>Style</i> parameter to control the format of the data returned by ECS in REST responses. Set this parameter to "XML" to generate a pure XML response. Set this parameter to the URL of an XSLT stylesheet to have ECS transform the XML response to another format you specify. If you omit this parameter, ECS will return a pure XML response by default.
Content-Type	Default Value: text/xml Valid Values: text/xml, text/html	The <i>ContentType</i> parameter is valid for REST requests only. The <i>ContentType</i> set in your request is returned as the content type in the HTTP headers of the response that ECS returns. Generally <i>ContentType</i> should only be changed when it is being used in conjunction with an XSLT stylesheet specified with the <i>Style</i> parameter. When you use a stylesheet to transform your ECS response to HTML, set this parameter to text/html.
Version	A WSDL Namespace date	For REST requests, use the <i>Version</i> parameter to retrieve a particular version of the ECS WSDL. The value of the <i>Version</i> parameter is the date that is part of the WSDL's namespace. For example, if the namespace is http://webservices.amazon.com/AWSECommerceService/2006-03-08/AWSECommerceService.wsdl

Parameter	Value	Description
		then you should set the <i>Version</i> parameter to 2006-03-08. Each time changes are made to ECS (for example, changed operation parameters, response groups, or behavior), a new WSDL is created with a new date. For SOAP requests, this parameter is ignored because the version is retrieved from the WSDL namespace. If the <i>Version</i> parameter is omitted in a REST request, ECS uses the default namespace. The default namespace may change as new versions of ECS are released. If you use XSLT to transform ECS output, you should use the <i>Version</i> parameter to ensure that your stylesheets continue to work correctly when the default namespace is changed.

Operation formatting Parameter

Another optional parameter is provided, that you may need in some environments:

Parameter	Value	Description
XMLEscaping	Default Value: Single Valid Values: Single, Double	Use the <i>XMLEscaping</i> parameter to specify whether responses are XML-encoded in a single pass or a double pass. By default, <i>XMLEscaping</i> is Single, and ECS responses are encoded only once in XML. For example, if the response data includes an ampersand character (&), the character is returned in its regular XML encoding (&). If <i>XMLEscaping</i> is Double, the same ampersand character is XML-encoded twice (&). The Double value for <i>XMLEscaping</i> is useful in some clients, such as PHP, that do not decode text within XML elements.

Development and Debugging Parameters

For help in debugging, you may want to use this optional parameter:

Parameter	Value	Description
Validate	True	Use the <i>Validate</i> parameter to have ECS test your request without actually executing it. If this parameter is not specified, the default value is False (i.e., requests are executed normally). When present, <i>Validate</i> must equal True. If the request is valid, the response will contain an element called <i>IsValid</i> with a value of True. If the request is invalid, the response will contain 1) an element called <i>IsValid</i> with a value of False and 2) the errors that would be returned if the request were actually executed. Notes: Since the request is not actually executed, only a subset of the errors for the request may be returned. This is because some errors (e.g., <i>no_exact_matches</i>) are only generated during execution of a request. The <i>IsValid</i> element will always be present in any

Parameter	Value	Description
		response, regardless of whether the <i>validate</i> parameter was in the request.

We also recommend that you include the *Request* response group for help with debugging. The Request response group echoes back the parameters used to generate the response and allows you to verify that your request was received correctly.

Searching for Products

An *ItemSearch* operation in Amazon E-Commerce Service (ECS) uses keywords or other criteria to search for products or restaurants. The *ItemSearch* operation combines several of the searches from Amazon Web Services 3.0, including *KeywordSearch*, *PowerSearch*, *BrowseNodeSearch*, *AuthorSearch*, *ArtistSearch*, *ActorSearch*, *DirectorSearch*, *ManufacturerSearch*, *BlendedSearch*, and *TextStreamSearch*.

Setting up an *ItemSearch* operation consists of three steps:

1. [Choosing the Amazon Store to Search](#)
2. [Specifying Search Parameters](#)
3. [Requesting the Desired Output](#)

Choosing the Amazon Store to Search

There are only two required parameters to the *ItemSearch* operation:

Parameter	Value
Operation	ItemSearch
SearchIndex	The name of an Amazon store index for searching. The indexes available vary by locale.

In addition to specifying the store to search, you must also specify search parameters, as described below.

Combined Search Indexes

Note that some of the search indexes are actually composites:

- Video combines DVD and VHS
- Music combines Classical, DigitalMusic, MusicTracks
- Blended combines the following search indices: DVD, Electronics, Toys, VideoGames, PCHardware, Tools, SportingGoods, Books, Software, Music, GourmetFood, Kitchen, Apparel.

Specifying Search Parameters

Once you have specified the store to search, you must narrow your search in some way, by requesting certain types of content or product attributes. The search parameter options are:

- [Searching by Product Content](#)
- [Searching for Music or Video Products by their Creator, Performer\(s\) or Owner\(s\)](#)
- [Searching by Manufacturer or Brand](#)
- [Power Searches in the Books Search Index](#)
- [US/DE only - Searching for Movies by Audience Rating](#)
- [US only - Searching for Restaurants](#)
- [Searching by Price and Product Condition](#)
- [US only - Searching by Merchant or Delivery Method](#)
- [Combining Search Parameters](#)

Searching by Product Content

There are several ways to use the `ItemSearch` operation to search for products, by the products' subject or content, as shown in the table below.

Parameter	Description
Keywords	ECS will match this word or phrase against various product fields, including product title, author, artist, description, manufacturer, etc.
Title	All or part of the name of the product.
TextStream	US only. Retrieve products based on a block of text you specify in your request. The text block could be a search term, a paragraph from a blog, an article excerpt, or any other text for which you wish to retrieve product matches. When Amazon receives your request, Amazon parses out recognized keywords and returns an equal number of products (ten total) for each recognized keyword. For example, if you send a request with five recognized keywords, Amazon will return two products matching each recognized keyword.
BrowseNodes	Product category.

Searching for Music or Video Products by their Creator, Performer(s) or Owner

The `ItemSearch` operation can be used to search for the creator or performer of the product or the product's owner/producer.

Parameter	Description
Artist	All or part of artist's name.
Author	All or part of author's name.
Actor	All or part of actor's name.
Director	All or part of director's name.
Composer	All or part of composer's name.
Conductor	All or part of conductor's name.
Orchestra	All or part of orchestra name.

Parameter	Description
MusicLabel	All or part of record label name.
Publisher	All or part of publisher's name.

Searching by Manufacturer or Brand

The `ItemSearch` operation can also be used to search by manufacturer or brand.

Parameter	Description
Manufacturer	All or part of manufacturer's name.
Brand	All or part of brand name.

Power Searches in the Books Search Index

Use the `Power` parameter to perform book searches on Amazon using a complex query string. Complex query strings are of the format:

key:value

where keys include `asin`, `author`, `author-exact`, `author-begins`, `keywords`, `keywords-begin`, `language`, `publisher`, `subject`, `subject-words-begin`, `subject-begins`, `title`, `title-words-begin`, and `title-begins`.

For example the query "author:ambrose" returns a list of books that include "Ambrose" in the author name. A query of "subject:history and (spain or mexico) and not military and language:spanish" would return a list of books in the Spanish language on the subject of either Spanish or Mexican history, excluding all items with military in their subject.

A sample REST request might thus be:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Books
&Power=subject:history%20and%20language:spanish
```

Note that for REST, any spaces in your power search query string must be URL-encoded as in the example above.

The `Power` parameter can only be used when `SearchIndex` equals `Books`. This feature is available in all locales.

Searching for Movies by Audience Rating

You can search for movies by audience rating in the US, DE, FR, and CA locales. Search the Video, DVD or VHS search indexes using the `AudienceRating` parameter. This parameter contains country-specific ratings about the age appropriateness of movies.

US: Based on the Motion Picture Association of America (MPAA) ratings, values are G, PG, PG-13, R, NR or unrated.

DE: Based on age, values are: 6, 12 or 16.

FR: Based on age, values are: PG, 12, 16, or 18.

CA: Based on age, values are: G, PG, PG-13, R, NC-17, NR, Unrated, and Family Viewing.

You may specify one or more values in a comma-separated list in an `ItemSearch` request using "mpaarating" for the `SearchIndex` value.

US only - Searching for Restaurants

There are three search parameters that work with the Restaurants search index, listed in the table below.

Parameter	Description
Cuisine	Type of food prepared by a restaurant. Can be ethnic types such as Greek, Japanese, Italian. Can also be food types like Seafood.
City	City where the restaurant is located. Valid values are Seattle, Boston, Chicago, New York, San Francisco, San Diego.
Neighborhood	Neighborhood within the city where the restaurant is located. These are both general areas such as Waterfront or Downtown as well as city-specific neighborhoods such as Phinney Ridge (in Seattle).

Searching by Price and Product Condition

There are three parameters to the `ItemSearch` operation that allow you to search for products by price and condition, as shown in the table below.

Parameter	Description
MinimumPrice	Return only products that are higher than this minimum price. The <code>MinimumPrice</code> value must be specified in cents (US, DE, FR, and CA), pence (UK), or yen (JP).
MaximumPrice	Return only products that are lower than this maximum price. The <code>MaximumPrice</code> value must be specified in cents (US, DE), pence (UK), or yen (JP).
Condition	All, New (default), Used, Refurbished, or Collectible.

US only - Searching by Merchant or Delivery Method

For large Amazon partners with merchant IDs, you can search for products by merchant ID or by shipping method as shown in the table below.

Parameter	Description
MerchantId	ID of merchant selling the product.
Delivery-Method	Ship or ISPU (in-store pickup).

Combining Search Parameters

Not all search parameters can be combined. Valid combinations depend on the search index chosen. You can verify that your desired search combination is valid by checking the search index matrix.

Requesting the Desired Output from ItemSearch

You can manage the data returned by ECS in several ways:

- [Sorting the Results](#)
- [Customizing the Returned XML with XSLT](#)
- [Paging through the Results](#)
- [Requesting Various Subsets of Output Data](#)

Sorting the Results

You can change the default order of the items in the response by including the *Sort* parameter in your *ItemSearch* request. Valid sort values vary by search index and by locale.

Returning Only Available Items

The *Availability* parameter enables *ItemSearch* to return only those items that are available. Available items include those that are: Items currently for sale, pre-orders, special orders, Email me when available items, new releases, items available for in-store pickup, items for sale by third parties.

The *Availability* parameter works in combination with the parameters, *MerchantId* and *Condition*. For more information, refer to the description of *ItemSearch* in the API Reference Guide.

Customizing the Returned XML with XSLT

By default, ECS returns a standard set of XML data. You can [specify an XSL stylesheet for returned data](#).

Paging through the Results

Each *ItemSearch* operation returns up to ten product listings. You can use the *ItemPage* parameter to retrieve additional pages of ten listings, up to 400 pages pages.

You can page through products with the *ItemPage* parameter as shown in the table below.

Parameter	Default Page Number	Items per page	Valid Values	Description
<i>ItemPage</i>	1	10	1..	Products. Up to 400 pages of products can be returned (10 per page).

Requesting Various Subsets of Output Data

All ECS operations support the *ResponseGroup* parameter which specifies the data subset to be returned. Since *Item* elements are returned by *ItemSearch*, the response groups are similar to the response groups for *ItemLookup*. Valid response groups for *ItemSearch* are listed below. If no response groups are specified in an *ItemSearch* operation, the default is *Request* and *Small*.

Standard response groups:

- *Request* - Echoes the operation parameters.
- *ItemIds* - Returns only ASINs.

Amalgamated response groups:

- *Small* - Global, item-level data (no pricing or availability), including the ASIN, product title, creator (author, artist, composer, directory, manufacturer, etc.), product group, URL, and manufacturer.
- *Medium* - Includes *Small*, *Request*, *ItemAttributes*, *OfferSummary*, *SalesRank*, *EditorialReview*, and *Images* response groups.
- *Large* - Includes *Medium*, *Tracks*, *BrowseNodes*, *Reviews*, *ListmaniaLists*, *Similarities*, *Offers*, and *Accessories* response groups.

Offer information (actual prices/availability):

- *OfferSummary*
- *Offers* - Includes *OfferSummary* plus all offer listings specified by the *Condition* parameter
- *OfferFull* - Includes *Offers* plus merchant name or seller nickname.

Variations data management:

- *VariationMinimum*
- *VariationSummary*

Various product attributes:

- *ItemAttributes*
- *Tracks*
- *Accessories*
- *EditorialReview*
- *SalesRank*
- *BrowseNodes*
- *Images*
- *Similarities*
- *Reviews*
- *ListmaniaLists*

Putting it All Together - Samples and Notes

- [ItemSearch Scenarios - US](#)
- [ItemSearch Scenarios - UK](#)
- [ItemSearch Scenarios - DE](#)
- [ItemSearch Scenarios - JP](#)
- [ItemSearch Scenarios - FR](#)

- [ItemSearch Scenarios - CA](#)
- [ItemSearch Notes](#)

Scenarios - US

Scenario #1:

You want to locate cover art for the videos (either VHS or DVD) for the Harry Potter movies. Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Video
&Keywords=potter%20harry
&ResponseGroup=Images
```

If you wanted only the DVD cover art, you would instead use the request:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=DVD
&Keywords=potter%20harry
&ResponseGroup=Images
```

Scenario #2:

You want to find CDs that contain music by Beethoven. Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Music
&ResponseGroup=Small,Tracks
&Composer=Beethoven
```

Scenario #3:

As a vendor, you want to search for all of your own product listings in the Apparel store, to verify their accuracy. You therefore want to view all of the available data (including variations). Your REST requests would look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Apparel
&ResponseGroup=Large,Variations
&MerchantId=[ID] &ItemPage=1
```

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Apparel
&ResponseGroup=Large,Variations
&MerchantId=[ID] &ItemPage=2
```

Scenario #4:

You want to find all products on Amazon that cost less than \$1.00. Your REST request would look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Blended
&ResponseGroup=Small,Offers
&MerchantId=All &MaximumPrice=99
```

Note that this would return only New products. For both new and used products, you would use the request:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Blended
&ResponseGroup=Small,Offers
&MerchantId=All &MaximumPrice=99 &Condition=All
```

Scenario #5:

You visit Seattle and want to find seafood restaurants near your downtown hotel. Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Restaurants
&Cuisine=seafood
&Neighborhood=downtown &City=Seattle
```

Scenario #6:

You are considering opening a used Barbie doll merchandise store and you want to find out what products are available through Amazon. Your REST requests might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Toys &Title=Barbie
&Manufacturer=Mattel &Condition=All &ItemPage=1
```

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Toys &Title=Barbie
&Manufacturer=Mattel &Condition=All &ItemPage=2
```

Scenario #7:

Your doctor tells you that you are allergic to milk chocolate, so you want to search for Godiva dark chocolate products. Your REST request would look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=GourmetFood
&Keywords=dark%20chocolate
&Manufacturer=Godiva
```

Scenario #8:

Your daughter announces that she will not have anything to do with anything that is not purple, so you decide to build her a Web site that features only purple products. Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Blended
&Keywords=purple
```

Scenarios - UK

The UK site permits lookups similar to the US site with the following differences:

- UK site has SoftwareVideoGames and HomeGarden store/search index
- UK site has no in-store pickup
- UK site has no variations and no merchants

Scenario #1:

You want to locate cover art for the videos (either VHS or DVD) for the Harry Potter movies. Your REST request might look like this:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Video
&Keywords=potter%20harry
&ResponseGroup=Images
```

If you wanted only the DVD cover art, you would instead use the request:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
```

```
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=DVD
&Keywords=potter%20harry
&ResponseGroup=Images
```

Scenario #2:

You want to find CDs that contain music by Beethoven. Your REST request might look like this:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Music
&ResponseGroup=Small,Tracks
&Composer=Beethoven
```

Scenario #3:

You want to find all products on Amazon that cost less than one pound. Your REST request would look like this:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Blended
&ResponseGroup=Small,Offers
&MerchantId=All &MaximumPrice=99
```

Note that this would return only New products. For both new and used products, you would use the request:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Blended
&ResponseGroup=Small,Offers
&MerchantId=All &MaximumPrice=99 &Condition=All
```

Scenario #4:

You are considering opening a used Barbie doll merchandise store and you want to find out what products are available through Amazon. Your REST requests might look like this:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Toys &Title=Barbie
&Manufacturer=Mattel &Condition=All &ItemPage=1
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Toys &Title=Barbie
&Manufacturer=Mattel &Condition=All &ItemPage=2
```

Scenario #5:

Your daughter announces that she will not have anything to do with anything that is not purple, so you decide to build her a Web site that features only purple products. Your REST request might look like this:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Blended
&Keywords=purple
```

Scenarios - DE

The DE site permits searches similar to the US site with the following differences:

- AudienceRating searches based on 6, 12 or 16
- HomeGarden store/search index
- ForeignBooks store/search index for non-German language books
- DE site has SoftwareVideoGames store/search index
- DE site has no in-store pickup
- DE site has no variations and no merchants

Scenario #1:

You want to find all videos (new and used) suitable for children 6 and under, with a price not exceeding 10 euros. Your REST request might look like this:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Video
&ResponseGroup=Small,Offers
&MerchantId=All &MaximumPrice=1000 &AudienceRating=6 &Condition=All
```

Scenario #2:

You want to locate cover art for the videos (either VHS or DVD) for the Harry Potter movies. Your REST request might look like this:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Video
&Keywords=potter%20harry
&ResponseGroup=Images
```

If you wanted only the DVD cover art, you would instead use the request:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=DVD
&Keywords=potter%20harry
&ResponseGroup=Images
```

Scenario #3:

You want to find CDs that contain music by Beethoven. Your REST request might look like this:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Music
&ResponseGroup=Small,Tracks
&Composer=Beethoven
```

Scenario #4:

You want to find all products on Amazon that cost less than one euro. Your REST request would look like this:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Blended
&ResponseGroup=Small,Offers
&MerchantId=All &MaximumPrice=99
```

Note that this would return only New products. For both new and used products, you would use the request:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Blended
&ResponseGroup=Small,Offers
&MerchantId=All &MaximumPrice=99 &Condition=All
```

Scenario #5:

Your daughter announces that she will not have anything to do with anything that is not purple, so you decide to build her a Web site that features only purple products. Your REST request might look like this:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Blended
&Keywords=purple
```

Scenarios - JP

The JP site permits searches similar to the US site with the following differences:

- ForeignBooks store/search index for non-Japanese language books
- JP site has no in-store pickup
- JP site has no variations and no merchants

Scenario #1:

You want to locate cover art for the videos (either VHS or DVD) for the Harry Potter movies. Your REST request might look like this:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Video
&Keywords=potter%20harry &ResponseGroup=Images
```

If you wanted only the DVD cover art, you would instead use the request:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=DVD
&Keywords=potter%20harry &ResponseGroup=Images
```

Scenario #2:

You want to find CDs that contain music by Beethoven. Your REST request might look like this:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Music
&ResponseGroup=Small,Tracks &Composer=Beethoven
```

Scenario #3:

You want to find all products on Amazon that cost less than 100 yen. Your REST request would look like this:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Blended
&ResponseGroup=Small,Offers &MerchantId=All
&MaximumPrice=99
```

Note that this would return only New products. For both new and used products, you would use the request:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Blended
&ResponseGroup=Small,Offers &MerchantId=All &MaximumPrice=99
&Condition=All
```

Scenario #4:

Your daughter announces that she will not have anything to do with anything that is not purple, so you decide to build her a Web site that features only purple products. Your REST request might look like this:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Blended
&Keywords=purple
```

Scenarios - FR

Scenario #1:

You want to locate cover art for the videos (either VHS or DVD) for the Harry Potter movies. Your

REST request might look like this:

```
http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=VHS
&Keywords=potter%20harry &ResponseGroup=Images
```

If you wanted only the DVD cover art, you would use this request:

```
http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=DVD
&Keywords=potter%20harry &ResponseGroup=Images
```

Scenario #2:

You want to find CDs that contain music by Beethoven. Your REST request might look like this:

```
http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Music
&ResponseGroup=Small,Tracks &Composer=Beethoven
```

Scenarios - CA

Scenario #1:

You want to locate cover art for the videos (either VHS or DVD) for the Harry Potter movies. Your REST request might look like this:

```
http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=VHS
&Keywords=potter%20harry &ResponseGroup=Images
```

If you wanted only the DVD cover art, you would use this request:

```
http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=DVD
&Keywords=potter%20harry &ResponseGroup=Images
```

Scenario #2:

You want to find CDs that contain music by Beethoven. Your REST request might look like this:

```
http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Music
&ResponseGroup=Small,Tracks &Composer=Beethoven
```

ItemSearch Notes

`ItemSearch` returns data similar to `ItemLookup` and `ListLookup`. If you don't get the returned data that you expect, the most common culprit is a [response group](#) that does not include the data you require.

If you are attempting to find out if a product can be purchased, you must be sure to include the appropriate response group (*Offers*, *OfferSummary* or *OfferFull*).

For debugging purposes, no single response group returns all of the data. However for `ItemSearch`, setting the `ResponseGroup` parameter to include `Large` and `Variations` (US only) will return all available data. This may result in a very large response, but for debugging, it's an ideal way to look at all of the available data.

Looking up Product Data in the Amazon Catalog

Data from Amazon's catalog that is returned by ECS contains [product features, price and purchasing information and other data](#).

This section of the documentation describes how to make precise requests and receive back a specific set of data from Amazon's product catalog.

Looking up Specific Products

The `ItemLookup` operation requests catalog information, offers, and offer listings for up to ten products at a time. Depending on which `ItemLookup` response groups you include in your request, you can retrieve product reviews, variations, similar products, pricing, availability, images of products, accessories, and other information.

When you return offers for a parent ASIN, the `TotalItems` will equal zero because parent ASINs are abstractions. As such, they are not for sale. For example, a parent ASIN could be "Shoe." Amazon cannot sell this abstraction. What Amazon can sell is a child of the abstraction, such as a men's shoe, size 10, black, penny loafer, made by Eddy Bauer. For this reason, an `ItemLookup` can return zero for `TotalItems` and still have items listed in the response.

Specifying the Product(s) for the Lookup

Products can be retrieved by their ASIN (Amazon Standard Identification Number), SKU, UPC or EAN. In a single request, you can retrieve products by one type of identifier only. For example, you could look up three ASINs in one request, but you could not look up an ASIN and a SKU in a single operation unless you used [a batch request](#).

To retrieve a product by its ASIN, you must include the following parameter in your `ItemLookup` request:

ItemId	The ASIN to be searched for; for multiple products, insert a comma-delimited list (REST) or multiple elements (SOAP).
--------	---

So, for example, the REST request below would look up a specific product ASIN:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=ItemLookup
&ItemId=0486411214
```

To retrieve a product by its SKU, you must include the following parameters in your `ItemLookup` request:

IdType	SKU
ItemId	The product identifier to be searched for; for multiple products, insert a comma-delimited list (REST) or multiple elements (SOAP).
MerchantId	SKUs are unique to a particular merchant. In order to ensure you retrieve the exact product you desire, you must always include a merchant ID in your request when you look up an item by SKU.

So, for example, the REST request below would look up a specific product by its SKU:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=ItemLookup
&ItemId=[SKU]
&MerchantId=[Merchant ID]
&IdType=SKU
```

To retrieve a product by its UPC (US only), you must include the following parameters in your ItemLookup request:

IdType	UPC
ItemId	The product identifier to be searched for; for multiple products, insert a comma-delimited list (REST) or multiple elements (SOAP).
SearchIndex	The name of the Amazon store that the product associated with the UPC belongs to.

So, for example, the REST request below would look up a specific book by its UPC:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=ItemLookup
&ItemId=[UPC]
&SearchIndex=Books
&IdType=UPC
```

To retrieve a product by its EAN (DE, JP, FR, and CA only), you must include the following parameters in your ItemLookup request:

IdType	EAN (Note: EAN or European Article Number is the same as JAN or Japanese Article Number).
ItemId	The product identifier to be searched for; for multiple products, insert a comma-delimited list (REST) or multiple elements (SOAP).
SearchIndex	The name of the Amazon store that the product associated with the EAN belongs to. See Search Index Values for the SearchIndex values.

So, for example, the REST request below would look up a specific electronics product on the JP site by its SKU:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=ItemLookup
&ItemId=[EAN]
&SearchIndex=Electronics
&IdType=EAN
```

Filtering Products Returned

The product(s) returned by `ItemLookup` can be further filtered to include only

- offers from a particular merchant(s)
- offers for products in a specific condition (new, used, refurbished, collectible)
- delivery method (shipped or in-store pickup) US only

To filter your `ItemLookup` request, include the optional parameters below, as desired.

MerchantId	<p>All returns offer data for all merchants including Amazon.</p> <p><i>MerchantId</i> is an alphanumeric identity that specifies a merchant. It can have three settings: All, in which all merchants are included in the response, an alphanumeric identity that specifies a single merchant, or <code>FeaturedBuyBoxMerchant</code>, which returns the merchant identified as the “Buy Box Winner” on a specific detail page. The “Buy Box Winner” is the merchant associated with the sale of the item listed in the Buy Box, which is the box on an item's detail page that enables you to add an item to a shopping cart. The default value for <code>MerchantId</code> is “Amazon.”</p> <p>If this parameter is omitted, the default is Amazon.</p>
Condition	All, New, Used, Refurbished or Collectible - the default is New
DeliveryMethod	Ship or ISPU (in-store pickup) - Ship is the default. ISPU applies to the US only.
ISPUPostalCode	If the <i>DeliveryMethod</i> parameter is set to ISPU, then this parameter is required and its value should be the zip code of the area where in-store pickup is requested.

FeaturedBuyBoxMerchant

MerchantId is an alphanumeric identity that specifies a merchant. It can have three settings: All, in which all merchants are included in the response, an alphanumeric identity that specifies a single merchant, or `FeaturedBuyBoxMerchant`.

Multiple retailers often sell the same item, for example, a Harry Potter book. When a user clicks on the Harry Potter book on the Amazon retail web site, the next page, the detail page, includes a Ready to Buy box, which invites the user to add the item to their shopping cart. The merchant associated with the sale is called the “Buy Box” merchant for that detail page.

This functionality is facilitated by setting: `MerchantId=FeaturedBuyBoxMerchant`. In this way, *MerchantId* is set to the “Buy Box” merchant.

Requesting Various Subsets of Output Data

All ECS operations support the *ResponseGroup* parameter which specifies the data subset to be returned. Since *Item* elements are returned by *ItemLookup*, the response groups are similar to the response groups for *ListLookup*, listed below. If no response groups are specified in an *ItemLookup* operation, the default is *Request* and *Small*.

Standard response groups:

- *Request* - Echoes the operation parameters.
- *ItemIds* - Returns only ASINs.

Amalgamated response groups:

- *Small* - Global, item-level data (no pricing or availability), including the ASIN, product title, creator (author, artist, composer, directory, manufacturer, etc.), product group, URL, and manufacturer.
- *Medium* - Includes *Small*, *Request*, *ItemAttributes*, *OfferSummary*, *SalesRank*, *EditorialReview*, and *Images* response groups.
- *Large* - Includes *Medium*, *Tracks*, *BrowseNodes*, *Reviews*, *ListmaniaLists*, *Similarities*, *Offers*, and *Accessories* response groups.

Offer information (actual prices/availability):

- *OfferSummary*
- *Offers* - Includes *OfferSummary* plus all offer listings specified by the *Condition* parameter
- *OfferFull* - Includes *Offers* plus merchant name or seller nickname.

Variations data management:

- *VariationMinimum*
- *VariationSummary*
- *Variations* - Includes *VariationMinimum* and *VariationSummary* response groups plus other details

Plus various product attributes:

- *ItemAttributes*
- *Tracks*
- *Accessories*
- *EditorialReview*
- *SalesRank*
- *BrowseNodes*
- *Images*
- *Similarities*
- *Reviews*
- *ListmaniaLists*

Paging through the Results

The `ItemLookup` operation retrieves ten items at a time. For each item, ECS returns a default number of offers, reviews, and variations. To access additional offers, reviews, and variations beyond the default number, you can make additional requests to ECS and use these three parameters:

Parameter	Default Page Number	Items per page	Valid Values	Description
OfferPage	1	10	1..100	Offers. Up to 100 pages of offers can be returned (10 offers per page).
ReviewPage	1	5	1..20	Reviews. Up to 20 pages of reviews (5 reviews per page) can be requested, one page at a time.
VariationPage	1	10	1..150	Variations. Up to 150 pages of child parents can be returned for this parent ASIN (10 child elements/ variations per page).

If these parameters are omitted, only the first page of offers, reviews, and variations is returned. However the data also indicates the number of offers, reviews and variations available (and the number of pages) so that additional pages can be retrieved if desired.

Putting it all Together: Some ItemLookup Samples and Notes

- [ItemLookup Scenarios - US](#)
- [ItemLookup Scenarios - UK](#)
- [ItemLookup Scenarios - DE](#)
- [ItemLookup Scenarios - JP](#)
- [ItemLookup Scenarios - FR](#)
- [ItemLookup Scenarios - CA](#)
- [ItemLookup Notes](#)

ItemLookup Scenarios - US

Scenario #1:

You want to get competitive pricing information for several products that are listed on Amazon. The products do not have variations. Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ ID ]
```



```
&Operation=ItemLookup
&ItemId=ABC1,ABC2,P12345
&ResponseGroup=Request,Small,Offers
&Condition=All
&MerchantId=All
```

Scenario #2:

You want to get pricing information on a list of music CDs sold by a specific competitor, but you also want to compare the length and number of tracks for the CDs. Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=ABC1,ABC2,P12345
&ResponseGroup=Request,Small,Offers,Tracks
&Condition=New
&MerchantId=[ID]
```

Scenario #3:

You want to find a toy by its UPC and determine price and availability for collectibles from any vendor. Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&IdType=UPC
&ItemId=[UPC]
&SearchIndex=Toys
&ResponseGroup=Request,Small,Offers
&Condition=Collectible
&MerchantId=All
```

Scenario #4:

You want to find in-store pickup for a particular gas grill. Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&IdType=UPC
&ItemId=[UPC]
&SearchIndex=OutdoorLiving
&DeliveryMethod=ISUP
&ISPUPostalCode=12345
&ResponseGroup=Request,Small,Offers
&Condition=All
&MerchantId=All
```

Scenario #5:

You want to evaluate whether competitors are pricing products differently for different size/color combinations of certain types of apparel. Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&IdType=SKU
&ItemId=[SKU1,SKU2,SKU3]
&SearchIndex=Apparel
&ResponseGroup=Request,Small,Offers,Variations
&MerchantId=[ID]
```

Scenario #6:

You want to find out if a new book is available yet through Amazon. *ReleaseDate* is included in the Medium and ItemAttributes response groups. Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
```

```
&AWSAccessKeyId=[ ID ]
&Operation=ItemLookup
&ItemId=[ ASIN ]
&SearchIndex=Books
&ResponseGroup=Request,ItemAttributes,Offers
```

Note that since no condition is specified, only New books will be located; the vendor will be Amazon by default. It is not necessary to specify the search index, but single-index searches deliver results faster than searching Amazon's entire product database.

Scenario #7:

You find a scrap of paper with an Amazon ASIN written on it, and you don't know what it is, you just remember that it was something interesting. Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ ID ]
&Operation=ItemLookup
&ItemId=[ ASIN ]
```

Scenario #8:

You want to see all of the reviews for the bestseller that you wrote. Your sequence of REST requests might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ ID ]
&Operation=ItemLookup
&ItemId=[ ASIN ]
&SearchIndex=Books
&ResponseGroup=Request,EditorialReview,Reviews,SalesRank
```

To see additional pages of customer reviews:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ ID ]
&Operation=ItemLookup
&ItemId=[ ASIN ]
&SearchIndex=Books
&ResponseGroup=Request,Reviews
&ReviewPage=2
```

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ ID ]
&Operation=ItemLookup
&ItemId=[ ASIN ]
&SearchIndex=Books
&ResponseGroup=Request,Reviews
&ReviewPage=3
```

ItemLookup Scenarios - UK

The UK site permits lookups similar to the US site with the following differences:

- UK site has SoftwareVideoGames search index
- UK has HomeGarden store/search index
- UK provides only ASIN searching (no EAN/SKU and no UPC searches)
- UK site has no in-store pickup
- UK site has no variations and no merchants

Scenario #1:

You want to get competitive pricing information for several products that are listed on Amazon. Your REST request might look like this:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=ABC1,ABC2,P12345
&ResponseGroup=Request,Small,Offers
&Condition=All
&MerchantId=All
```

Note that this will return only non-Amazon pricing. For Amazon pricing, you must submit the additional request:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=ABC1,ABC2,P12345
&ResponseGroup=Request,Small,Offers
```

Since Amazon only sells New products, the *Condition* parameter is not necessary.

Scenario #2:

You want to get pricing information on a list of music CDs, but you also want to compare the length and number of tracks for the CDs. Your REST request might look like this:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=ABC1,ABC2,P12345
&ResponseGroup=Request,Small,Offers,Tracks
&Condition=New
```

Scenario #3:

You want to find a toy by its ASIN and determine price and availability for collectibles from any vendor. Your REST request might look like this:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=[ASIN]
&SearchIndex=Toys
&ResponseGroup=Request,Small,Offers
&Condition=Collectible
&MerchantId=All
```

Scenario #4:

You want to find out if a new book is available yet through Amazon. *ReleaseDate* is included in the Medium and ItemAttributes response groups. Your REST request might look like this:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=[ASIN]
&SearchIndex=Books
&ResponseGroup=Request,ItemAttributes,Offers
```

Note that since no condition is specified, only New books will be located; the vendor will be Amazon by default. It is not necessary to specify the search index, but single-index searches deliver results faster than searching Amazon's entire product database.

Scenario #5:

You find a scrap of paper with an Amazon ASIN written on it, and you don't know what it is, you just remember that it was something interesting. Your REST request might look like this:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=[ASIN]
```

Scenario #6:

You want to see all of the reviews for the bestseller that you wrote. Your sequence of REST requests might look like this:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=[ASIN]
&SearchIndex=Books
&ResponseGroup=Request,EditorialReview,Reviews,SalesRank
```

To see additional pages of customer reviews:

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=[ASIN]
&SearchIndex=Books
&ResponseGroup=Request,Reviews
&ReviewPage=2
```

```
http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=[ASIN]
&SearchIndex=Books
&ResponseGroup=Request,Reviews
&ReviewPage=3
```

ItemLookup Scenarios - DE

The DE site permits lookups similar to the US site with the following differences:

- EAN search available, no SKU or UPC searches
- HomeGarden store/search index
- ForeignBooks store/search index for non-German language books
- DE site has SoftwareVideoGames store/search index
- DE site has no in-store pickup
- DE site has no variations and no merchants

Scenario #1:

You want to get competitive pricing information for several products that are listed on Amazon. Your REST request might look like this:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=ABC1,ABC2,P12345
&ResponseGroup=Request,Small,Offers
&Condition=All
&MerchantId=All
```

Scenario #2:

You want to get pricing information on a list of music CDs, but you also want to compare the length and number of tracks for the CDs. Your REST request might look like this:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=ABC1,ABC2,P12345
&ResponseGroup=Request,Small,Offers,Tracks
&Condition=New
```

Scenario #3:

You want to find a toy by its EAN and determine price and availability for collectibles from any vendor. Your REST request might look like this:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&IdType=EAN
&ItemId=[EAN]
&SearchIndex=Toys
&ResponseGroup=Request,Small,Offers
&Condition=Collectible
&MerchantId=All
```

Scenario #4:

You want to find out if a new book is available yet through Amazon. *ReleaseDate* is included in the Medium and ItemAttributes response groups. Your REST request might look like this:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=[ASIN]
&SearchIndex=Books
&ResponseGroup=Request,ItemAttributes,Offers
```

Note that since no condition is specified, only New books will be located; the vendor will be Amazon by default. It is not necessary to specify the search index, but single-index searches deliver results faster than searching Amazon's entire product database.

Scenario #5:

You find a scrap of paper with an Amazon ASIN written on it, and you don't know what it is, you just remember that it was something interesting. Your REST request might look like this:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=[ASIN]
```

Scenario #6:

You want to see all of the reviews for the bestseller that you wrote. Your sequence of REST requests might look like this:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=[ASIN]
&SearchIndex=Books
&ResponseGroup=Request,EditorialReview,Reviews,SalesRank
```

To see additional pages of customer reviews:

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
```

```
&ItemId=[ASIN]
&SearchIndex=Books
&ResponseGroup=Request,Reviews
&ReviewPage=2
```

```
http://webservices.amazon.de/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=[ASIN]
&SearchIndex=Books
&ResponseGroup=Request,Reviews
&ReviewPage=3
```

ItemLookup Scenarios - JP

The JP site permits lookups similar to the US site with the following differences:

- EAN search (searches for JAN), no SKU or UPC searches
- ForeignBooks store/search index for non-Japanese language books
- JP site has no in-store pickup
- JP site has no variations and no merchants

Scenario #1:

You want to get competitive pricing information for several products that are listed on Amazon. The products do not have variations. Your REST request might look like this:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=ABC1,ABC2,P12345
&ResponseGroup=Request,Small,Offers
&Condition=All
&MerchantId=All
```

Scenario #2:

You want to get pricing information on a list of music CDs, but you also want to compare the length and number of tracks for the CDs. Your REST request might look like this:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=ABC1,ABC2,P12345
&ResponseGroup=Request,Small,Offers,Tracks
&Condition=New
```

Scenario #3:

You want to find a toy by its EAN (JAN) and determine price and availability for collectibles from any vendor. Your REST request might look like this:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&IdType=EAN
&ItemId=[EAN]
&SearchIndex=Toys
&ResponseGroup=Request,Small,Offers
&Condition=Collectible
&MerchantId=All
```

Scenario #4:

You want to find out if a new book is available yet through Amazon. *ReleaseDate* is included in

the Medium and ItemAttributes response groups. Your REST request might look like this:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ ID]
&Operation=ItemLookup
&ItemId=[ ASIN]
&SearchIndex=Books
&ResponseGroup=Request,ItemAttributes,Offers
```

Note that since no condition is specified, only New books will be located; the vendor will be Amazon by default. It is not necessary to specify the search index, but single-index searches deliver results faster than searching Amazon's entire product database.

Scenario #5:

You find a scrap of paper with an Amazon ASIN written on it, and you don't know what it is, you just remember that it was something interesting. Your REST request might look like this:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ ID]
&Operation=ItemLookup
&ItemId=[ ASIN]
```

Scenario #6:

You want to see all of the reviews for the bestseller that you wrote. Your sequence of REST requests might look like this:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ ID]
&Operation=ItemLookup
&ItemId=[ ASIN]
&SearchIndex=Books
&ResponseGroup=Request,EditorialReview,Reviews,SalesRank
```

To see additional pages of customer reviews:

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ ID]
&Operation=ItemLookup
&ItemId=[ ASIN]
&SearchIndex=Books
&ResponseGroup=Request,Reviews
&ReviewPage=2
```

```
http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ ID]
&Operation=ItemLookup
&ItemId=[ ASIN]
&SearchIndex=Books
&ResponseGroup=Request,Reviews
&ReviewPage=3
```

ItemLookup Scenarios - FR

The FR site permits lookups similar to the US site with the following differences:

- EAN search, no SKU or UPC searches
- ForeignBooks store/search index for non-French language books
- FR site has no in-store pickup
- FR site has no variations and no merchants

Scenario #1:

You want to get competitive pricing information for several products that are listed on Amazon. The products do not have variations. Your REST request might look like this:

```
http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=ABC1,ABC2,P12345
&ResponseGroup=Request,Small,Offers
&Condition=All
&MerchantId=All
```

Scenario #2:

You want to get pricing information on a list of music CDs, but you also want to compare the length and number of tracks for the CDs. Your REST request might look like this:

```
http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=ABC1,ABC2,P12345
&ResponseGroup=Request,Small,Offers,Tracks
&Condition=New
```

Scenario #3:

You want to find out if a new book is available yet through Amazon. *ReleaseDate* is included in the Medium and ItemAttributes response groups. Your REST request might look like this:

```
http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=[ASIN]
&SearchIndex=Books
&ResponseGroup=Request,ItemAttributes,Offers
```

ItemLookup Scenarios - CA

The CA site permits lookups similar to the US site with the following differences:

- EAN search, no SKU or UPC searches
- ForeignBooks store/search index
- CA site has no in-store pickup
- CA site has no variations and no merchants

Scenario #1:

You want to get competitive pricing information for several products that are listed on Amazon. The products do not have variations. Your REST request might look like this:

```
http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
&ItemId=ABC1,ABC2,P12345
&ResponseGroup=Request,Small,Offers
&Condition=All
&MerchantId=All
```

Scenario #2:

You want to get pricing information on a list of music CDs, but you also want to compare the length and number of tracks for the CDs. Your REST request might look like this:

```
http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=ItemLookup
```



```
&ItemId=ABC1,ABC2,P12345  
&ResponseGroup=Request,Small,Offers,Tracks  
&Condition=New
```

ItemLookup Notes

`ItemLookup` returns data similar to `ListLookup`. If you don't get the returned data that you expect, the most common culprit is a [response group](#) that does not include the data you require.

If you are attempting to find out if a product can be purchased, you must be sure to include the appropriate response group (*Offers*, *OfferSummary* or *OfferFull*).

For debugging purposes, no single response group returns all of the data. However for `ItemLookup`, setting the *ResponseGroup* parameter to include Large and Variations (US only) will return all available data. This may result in a very large response, but for debugging, it's an ideal way to look at all of the available data.

Looking up Similar Products

The `SimilarityLookup` operation is very similar to `ItemLookup` except that instead of looking up products, it looks up products that are similar to the specified product. `SimilarityLookup` does not work with UPC, SKU or EAN, it requires an ASIN(s).

`SimilarityLookup` returns up to ten similar products in an *Items* element, with an individual *Item* element for each similar product.

A `SimilarityLookup` request to look up similar products requires only one parameter:

ItemId	ASIN of product to use for similarity lookup; insert multiple product ASINs as a comma-delimited list (REST) or multiple elements (SOAP).
--------	---

By default, if multiple ASINs are provided to this operation, products are returned that are similar to ALL products in the request. `SimilarityLookup` can also retrieve an assortment of products that are similar to any of the items in the input list. To do this, you would use the parameters:

ItemId	ASINs of products; comma-delimited list for REST, multiple elements for SOAP.
SimilarityType	Random (Default value is Intersection.) Set the value of <i>SimilarityType</i> to Random if you want the list of similar products returned by <code>SimilarityLookup</code> to include an assortment of similar products corresponding to any of the items in the request.

`SimilarityLookup` behaves similarly to `ItemLookup` in filtering the product(s) returned to include only

- Offers from a particular merchant(s)
- Product offers in a specific condition (new, used, refurbished, collectible)

- Delivery method (shipped or in-store pickup)

To filter your `SimilarityLookup` request, include the optional parameters below, as desired.

MerchantId	All, Featured or a specific merchant ID. Setting the <code>MerchantId</code> parameter to <code>Featured</code> returns the same merchant that is displayed when you click the "Add to Shopping Cart" button on the product detail page of the Amazon Web site. The default value is <code>Amazon</code> .
Condition	All, New, Used, Refurbished or Collectible - the default value is <code>New</code>
DeliveryMethod	Ship or ISPU (in-store pickup) - the default value is <code>Ship</code> . This parameter is available in the US only.
ISPUPostalCode	If the <code>DeliveryMethod</code> parameter is set to <code>ISPU</code> , then this parameter is required and its value should be the zip code of the area where in-store pickup is requested.

The `SimilarityLookup` operation supports the `ResponseGroup` parameter with [the same values as are available for `ItemLookup`](#).

SimilarityLookup Samples and Notes

Scenario #1:

You have a single ASIN and you want to find products similar to it. Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=SimilarityLookup
&ItemId=ABC1
&ResponseGroup=Request,Small,Offers
&Condition=All
&MerchantId=All
```

Scenario #2:

You want to find products similar to a group of products (e.g., a book, an appliance, some apparel). Your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID]
&Operation=SimilarityLookup
&ItemId=ABC1,ABC2,ABC3
&ResponseGroup=Request,Small,Offers
&Condition=All
&MerchantId=All
```

Except for the site name at the start of the request, these sample requests are the same for all of the Amazon Web sites. Note that a single ASIN typically does not represent the same product on all sites.

Similar products will be returned only if they are available in the Amazon database. You may also want to try looking for accessories or using browse nodes to try to find related products.

`SimilarityLookup` does not allow you to page through results, it simply returns up to ten items.

Using the Amazon E-Commerce Service (ECS) Shopping Cart

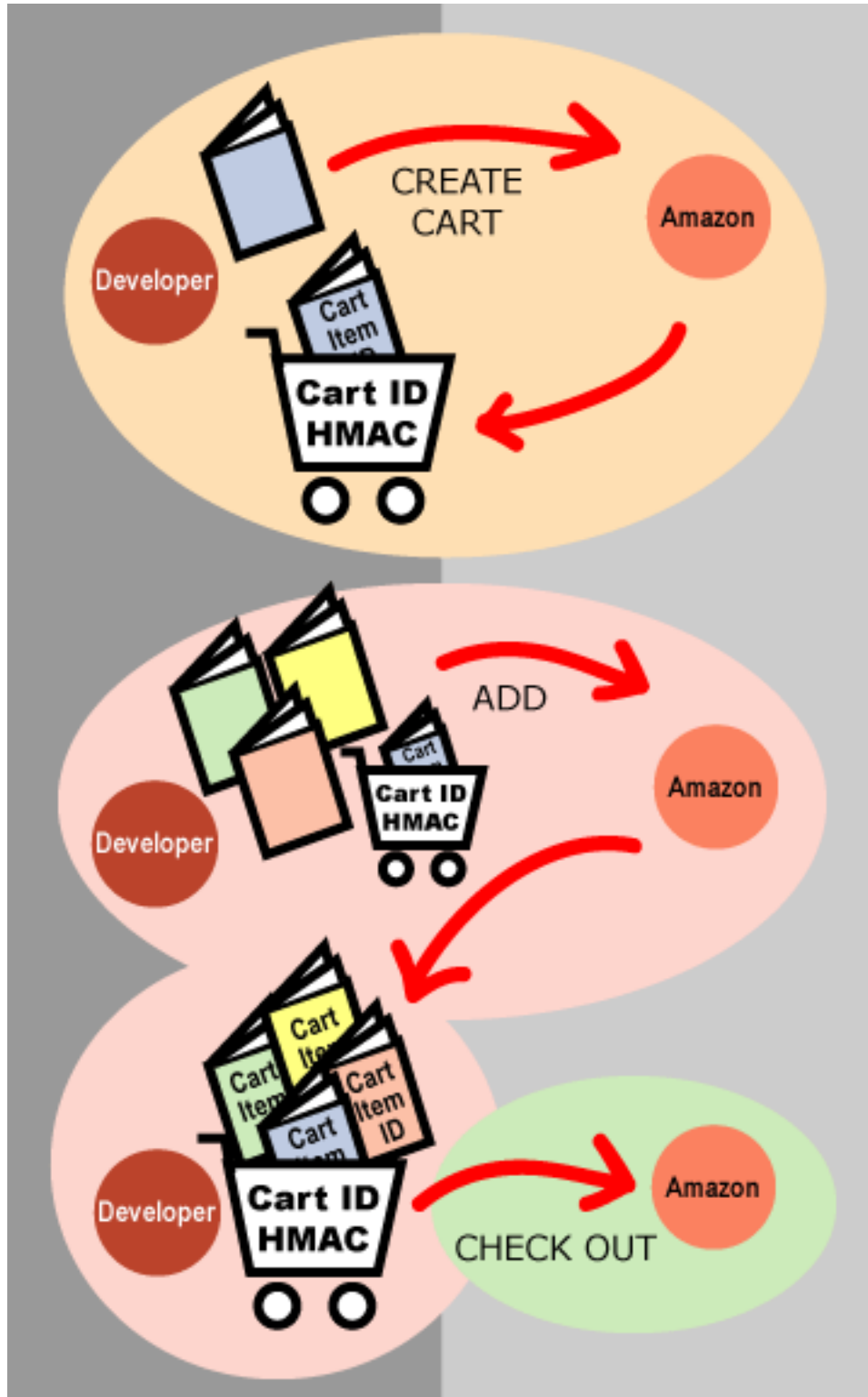
Overview

To facilitate customer purchases, ECS allows you to create and manage a shopping cart of products that a customer wishes to purchase. The shopping cart is a temporary data structure that is stored at Amazon as long as it is in use. Amazon carts with items expire and are deleted if they remain inactive for more than 90 days. Empty carts are deleted after seven days. The shopping cart features allow you to create a more complete shopping experience for your customers, as well as give you the opportunity to earn commissions through the Amazon Associates program for sales that you refer to Amazon.

To build a shopping cart, you submit customer selections (which consist of item and quantity) to ECS. ECS then creates for you an individual shopping cart with item descriptions and current price information filled in. You can then use a variety of ECS functions for adding more products and managing existing products in the cart. When the customer has finished assembling their order, you simply transfer the shopping cart to Amazon (through the provided URL) for completion of the sale transaction.

When you use the shopping cart operations of ECS, you are actually creating a remote cart which is separate from a customer's shopping carts that may already exist on the Amazon Web sites. This remote cart has its own identifiers and it is considered an Amazon cart owned by your remote application (not the customer). ECS does not have access to any information which will allow it to associate the shopping cart with a particular customer or their Amazon account until you submit the cart for purchase. Your application must internally keep track of which cart belongs to which customer. The mechanism for storing this customer session-level information will vary across environments.

ECS Shopping Cart Flow



The shopping cart actions that you can perform include:

- Creating a cart (`CartCreate`) - establishes a remote shopping cart with the first item(s) that the customer selected. Available products are added as cart items. Unavailable items (e.g., out of stock,

discontinued, future releases) are added as saved items. When the cart is created, a pair of unique cart identifiers, the `CartId` and `HMAC`, are assigned and returned to you. Your site must then retain these identifiers so that future cart operations are performed on the correct cart. (The cart cannot be located at a later time through queries or searching--it can only be retrieved and managed if you retain the `CartId` and `HMAC`.)

- Getting the contents of a cart (`CartGet`) - retrieves the list of items in a cart that you have built but have not yet submitted to Amazon for a customer to purchase. Information about cart contents should not be stored locally for other than short-term use--the ECS `CartGet` operation allows you to retrieve the cart as needed.
- Adding items to the cart (`CartAdd`) - adds more selections to the cart. Available products are added as cart items, unavailable items (e.g., out of stock, discontinued, future releases) are added as saved items.
- Modifying cart entries (`CartModify`) - changes quantities of items, deletes items (by changing the quantity to zero), and changes cart items to saved items and vice versa.
- Clearing all items from a cart (`CartClear`) - removes all selections from a cart.
- Transferring the customer to the Amazon-supplied URL to complete their purchase. At this point, the cart items and saved items are merged with the customer's Amazon shopping cart and the remote shopping cart is no longer accessible through ECS.

The Cart operations work in all locales. The cart identifiers refer to a cart in a specific locale and cannot be used in another locale.

A detailed description of cart operation requests:

- [Creating Carts and Adding Items](#)
- [Managing a Shopping Cart](#)
- [Purchasing the Contents of a Cart](#)

An overview of how to use the cart operations and some development notes:

- [General Sequence for Using Shopping Cart Operations](#)
- [Development and Usage Notes](#)

Creating Carts and Adding Items

The `CartCreate` and `CartAdd` operations are similar in that they both require you to add items to the cart. After creating a cart and adding the initial list of items using the `CartCreate` operation, you add additional items using the `CartAdd` operation. You cannot create an empty cart.

A cart can contain up to 50 entries in total. Each entry can have quantity greater than one, up to the maximum permitted by ECS (i.e., one product with a quantity of 3 constitutes only a single entry in the cart).

Select a specific item for purchase by specifying either an `ASIN` or an `OfferListingId`. The recommended approach for non-Amazon offer listings is to use the `OfferListingId`.

You can find this information through `ItemLookup` and `ItemSearch` operations with `Offers` and `OfferFull` response groups. Once you have determined the offer that the customer wishes to purchase and identified its `OfferListingId` or `ASIN`, you can create a cart for that customer and add the item(s) to the cart, in one `CartCreate` operation.

The `OfferListingId` value is not stored in the cart. Instead, cart entries and saved entries store:

- *CartItemId* - entry identifier assigned as items are added to the cart. If you later want to change the quantity or delete the item, you must refer to the item by its *CartItemId*, rather than by ASIN.
- *ASIN*
- *MerchantId* or *SellerId* (UK, DE, JP, FR, CA: Amazon has a *MerchantId* and all other vendors have a *SellerId*. US: Amazon and Amazon partners have a *MerchantId* and other vendors have a *SellerId*.)

Examples of Creating Carts and Adding Items

The following examples demonstrate how you can use the *CartAdd* and *CartCreate* operations. Be sure to replace the subscription ID and item identifiers with appropriate values.

Here is a REST example for creating a cart and using an offer listing ID. For SOAP requests, you would have an *Items* container element with an *Item* element for each cart entry, rather than the *Item.x* notation used for REST.

REST Examples

US	<code>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=CartCreate &Item.1.OfferListingId=[Your Access Key ID Here] &Item.1.Quantity=1</code>
UK	<code>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=CartCreate &Item.1.OfferListingId=[Your Access Key ID Here] &Item.1.Quantity=1</code>
DE	<code>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=CartCreate &Item.1.OfferListingId=[Your Access Key ID Here] &Item.1.Quantity=1</code>
JP	<code>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=CartCreate &Item.1.OfferListingId=[Your Access Key ID Here] &Item.1.Quantity=1</code>
FR	<code>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=CartCreate &Item.1.OfferListingId=[Your Access Key ID Here] &Item.1.Quantity=1</code>
CA	<code>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=CartCreate &Item.1.OfferListingId=[Your Access Key ID Here] &Item.1.Quantity=1</code>

Here is an example of adding additional items to a cart using the *CartAdd* operation. For SOAP requests, you would have an *Items* container element with an *Item* element for each cart entry, rather

than the `Item.x` notation used for REST.

REST Examples

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartAdd &Item.1.ASIN=[ASIN] &Item.1.Quantity=31</pre>
UK	<pre>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartAdd &Item.1.ASIN=[ASIN] &Item.1.Quantity=31</pre>
DE	<pre>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartAdd &Item.1.ASIN=[ASIN] &Item.1.Quantity=31</pre>
JP	<pre>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartAdd &Item.1.ASIN=[ASIN] &Item.1.Quantity=31</pre>
FR	<pre>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartAdd &Item.1.ASIN=[ASIN] &Item.1.Quantity=31</pre>
CA	<pre>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartAdd &Item.1.ASIN=[ASIN] &Item.1.Quantity=31</pre>

This example demonstrates how to add multiple items to a cart in a REST request by specifying parameters `Item.1`, `Item.2`, `Item.3`, . . . , `Item.50`. For SOAP requests, you would have an `Items` container element with an `Item` element for each cart entry.

REST Examples

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService</pre>
----	---

	<pre>&AWSAccessKeyId=[Your Access Key ID Here] &Operation=CartCreate &Item.1.OfferListingId=[Your Access Key ID Here] &Item.1.Quantity=17 &Item.2.ASIN=[ASIN] &Item.2.Quantity=1 &ResponseGroup=Request, Cart, CartSimilarities</pre>
UK	<pre>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=CartCreate &Item.1.OfferListingId=[Your Access Key ID Here] &Item.1.Quantity=17 &Item.2.ASIN=[ASIN] &Item.2.Quantity=1 &ResponseGroup=Request, Cart, CartSimilarities</pre>
DE	<pre>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=CartCreate &Item.1.OfferListingId=[Your Access Key ID Here] &Item.1.Quantity=17 &Item.2.ASIN=[ASIN] &Item.2.Quantity=1 &ResponseGroup=Request, Cart, CartSimilarities</pre>
JP	<pre>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=CartCreate &Item.1.OfferListingId=[Your Access Key ID Here] &Item.1.Quantity=17 &Item.2.ASIN=[ASIN] &Item.2.Quantity=1 &ResponseGroup=Request, Cart, CartSimilarities</pre>
FR	<pre>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=CartCreate &Item.1.OfferListingId=[Your Access Key ID Here] &Item.1.Quantity=17 &Item.2.ASIN=[ASIN] &Item.2.Quantity=1 &ResponseGroup=Request, Cart, CartSimilarities</pre>
CA	<pre>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=CartCreate &Item.1.OfferListingId=[Your Access Key ID Here] &Item.1.Quantity=17 &Item.2.ASIN=[ASIN] &Item.2.Quantity=1 &ResponseGroup=Request, Cart, CartSimilarities</pre>

In addition to the usual output, such a request would return five items that are similar to the items in the cart in a *Cart/SimilarProducts* element.

The index numbers you use in a REST request to specify individual products are not retained after the item is added to the cart. For example, if you create a cart and add Item.1 the item will be added to the cart. You can later add another item with *CartAdd* specifying Item.1 and the item will be added correctly. In other words, the number that identifies a product in a *CartAdd* or *CartCreate* is used only temporarily for the operation request; that number is not retained and does not relate to any item ordering in the cart itself.

Notes on Creating Carts and Adding Items

When you add an item to a cart (whether with `CartCreate` or `CartAdd`), you should note the following points:

- Many products have a limitation on the quantity that can be added to the cart. Sometimes this is inherent to the product (e.g., one-of-a-kind jewelry items) and sometimes it is a limit set by the vendor (e.g., one per customer). If you add an item to the cart with a quantity that exceeds the allowed quantity, ECS will automatically reset the quantity to the maximum. No error will be generated. You must verify the quantity of the item in the returned cart to detect that the quantity has been capped in this way and notify the customer appropriately.
- The Amazon database changes regularly. You may find a product with an offer listing ID but by the time to add it to the cart, the product is no longer available. In this case, the item is added as a saved item rather than a regular item. No error is generated.

Managing a Shopping Cart

If you have a `CartId` and `HMAC` for an existing cart, you can:

- [Change quantity of an item or delete an item](#)
- [Retrieve the contents of the cart](#)
- [Clear the entries in a cart](#)

Modifying an Existing Cart

The `CartModify` operation allows you to perform several functions:

- Change the quantity of an entry in the cart
- Delete an item by changing an entry's quantity to zero
- Change cart items to saved items and vice versa
- Change quantity and change to a saved item in one operation
- Change multiple items, either quantities or change to saved items in one operation

There are thus several useful combinations of parameters for the `CartModify` operation:

To alter an item's quantity with `CartModify`, you must first identify the `CartItemId` of the entry to be altered. This was returned in `Cart/CartItems/CartItem/CartItemId` when you added the item to the cart (through `CartAdd` or `CartCreate`).

To try this for yourself, first create a cart and then use the `CartItemId`, `CartId` and `HMAC` values, copy the REST request below into your browser and insert your own values:

REST Examples

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Quantity=29</pre>
----	--

UK	<pre>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Quantity=29</pre>
DE	<pre>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Quantity=29</pre>
JP	<pre>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Quantity=29</pre>
FR	<pre>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Quantity=29</pre>
CA	<pre>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Quantity=29</pre>

For SOAP requests, you would have an *Items* container element with an *Item* element for each cart entry, rather than the *Item.x* notation used for REST.

You can also use *CartModify* to change a cart item to a saved item and vice versa. To try this for yourself, copy the REST request below into your browser and insert your own values:

REST Examples

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Action=SaveForLater</pre>
UK	<pre>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC]</pre>

	<pre>&Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Action=SaveForLater</pre>
DE	<pre>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Action=SaveForLater</pre>
JP	<pre>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Action=SaveForLater</pre>
FR	<pre>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Action=SaveForLater</pre>
CA	<pre>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Action=SaveForLater</pre>

In the XML data returned by this request, note that the modified entry is returned as a `<SavedForLaterItem>` element rather than a `<CartItem>`.

For SOAP requests, you would have an `Items` container element with an `Item` element for each cart entry, rather than the `Item.x` notation used for REST.

You can change the quantity of a cart item, while also changing it from a saved item to a cart item, as shown below.

REST Examples

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Action=SaveForLater &Item.1.Quantity=3</pre>
UK	<pre>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC]</pre>

	<pre>&Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Action=SaveForLater &Item.1.Quantity=3</pre>
DE	<pre>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Action=SaveForLater &Item.1.Quantity=3</pre>
JP	<pre>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Action=SaveForLater &Item.1.Quantity=3</pre>
FR	<pre>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Action=SaveForLater &Item.1.Quantity=3</pre>
CA	<pre>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Action=SaveForLater &Item.1.Quantity=3</pre>

For SOAP requests, you would have an *Items* container element with an *Item* element for each cart entry, rather than the *Item.x* notation used for REST.

You can modify multiple cart entries, by specifying their *CartItemId* and the desired action or quantity for that entry, as shown below.

REST Examples

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Quantity=11 &Item.2.CartItemId=[Your Access Key ID Here] &Item.2.Action=SaveForLater &Item.3.CartItemId=[Your Access Key ID Here] &Item.3.Quantity=37</pre>
----	--

UK	<pre>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Quantity=11 &Item.2.CartItemId=[Your Access Key ID Here] &Item.2.Action=SaveForLater &Item.3.CartItemId=[Your Access Key ID Here] &Item.3.Quantity=37</pre>
DE	<pre>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Quantity=11 &Item.2.CartItemId=[Your Access Key ID Here] &Item.2.Action=SaveForLater &Item.3.CartItemId=[Your Access Key ID Here] &Item.3.Quantity=37</pre>
JP	<pre>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Quantity=11 &Item.2.CartItemId=[Your Access Key ID Here] &Item.2.Action=SaveForLater &Item.3.CartItemId=[Your Access Key ID Here] &Item.3.Quantity=37</pre>
FR	<pre>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Quantity=11 &Item.2.CartItemId=[Your Access Key ID Here] &Item.2.Action=SaveForLater &Item.3.CartItemId=[Your Access Key ID Here] &Item.3.Quantity=37</pre>
CA	<pre>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartModify &Item.1.CartItemId=[Your Access Key ID Here] &Item.1.Quantity=11 &Item.2.CartItemId=[Your Access Key ID Here] &Item.2.Action=SaveForLater &Item.3.CartItemId=[Your Access Key ID Here] &Item.3.Quantity=37</pre>

For SOAP requests, you would have an *Items* container element with an *Item* element for each cart entry, rather than the Item.x notation used for REST.

Displaying the Contents of an Existing Cart

If you have created a cart, you can retrieve the entries in the cart with the `CartGet` operation. Both cart entries and saved entries are returned.

REST Examples

US	<code>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartGet</code>
UK	<code>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartGet</code>
DE	<code>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartGet</code>
JP	<code>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartGet</code>
FR	<code>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartGet</code>
CA	<code>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartGet</code>

Clearing All Entries in a Cart

The `CartClear` operation allows you to remove all entries from a cart that has not yet been merged with the Amazon cart via the purchase URL, both cart items and saved items.

There is only one set of parameters for the `CartClear` operation

REST Examples

US	<code>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartClear</code>
----	--

UK	<code>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartClear</code>
DE	<code>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartClear</code>
JP	<code>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartClear</code>
FR	<code>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartClear</code>
CA	<code>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &CartId=[CartId] &HMAC=[HMAC] &Operation=CartClear</code>

Note that this operation returns a *Cart/* element, but the *CartItems/* element will be empty and there will be no *PurchaseURL* element. Clearing a cart does not destroy it. The cart will continue to exist for the life defined by Amazon (currently 90 days).

Purchasing the Contents of the Cart

The *Cart/PurchaseURL* element provides a specially formatted link to Amazon. From your application or Web site, you must give your customers a way to access the purchase URL. Depending on the *MergeCart* parameter value of the cart, a customer can go through two different scenarios after activating the purchase URL:

- [When MergeCart is True](#)
- [When MergeCart is False](#)

Note

Although the default *MergeCart* value is *False*, this scenario is only available for the US locale. You must set *MergeCart* to *True* for other locales.

The *MergeCart* parameter is set by the [CartCreate](#) and [CartModify](#) operations.

When MergeCart Is True

When *MergeCart* is *True*, the remote cart contents are merged with the customer's Amazon cart and the remote cart contents are deleted. This scenario is the only possible scenario for non-US locales and is optional for the US locale.

Once you hand off a customer to the Amazon Web site, the user logs in to their existing Amazon account (or creates a new account) and the contents of the shopping cart that you created are transferred to the customer's Amazon cart. If the customer has an existing Amazon cart, the remote cart contents merge with any items that are already in that customer's cart. If you are an Amazon Associate, you will receive Associate referral fees on items in the cart that were added while the customer was on your site, as well as any items that the customer adds within 24 hours of clicking through the purchase URL. You will not receive referral fees for items that were already in the Amazon cart before the customer accessed the purchase URL.

When the purchase URL is activated, the cart contents are no longer accessible. The cart is empty, but will continue to exist for the life defined by Amazon (currently 90 days). We do not recommend using the cart after submitting it to Amazon for purchase.

When MergeCart Is False

When MergeCart is False, only the remote cart contents are available for purchase and the items are not deleted from the remote cart. Use the [CartClear](#) or [CartModify](#) operations to remove cart contents from a remote cart.

The General Sequence for Using Cart Operations

The general recommended sequence for using ECS cart operations is:

1. Identify a specific product that the user wishes to purchase and locate a vendor offering that product for sale. To do this you must use an operation that supports the *Offers* or *OfferFull* response group (i.e., *ItemLookup*, *ItemSearch*, *ListLookup*, or *SimilarityLookup*) to obtain the availability and price(s) of a product.
2. If there is no existing cart, then you must create a cart with the first item(s) that the customer has selected. The *CartCreate* operation returns a *CartId* and *HMAC* that will must be used for future operations on that cart. Note that you can only create a cart once you have an item to add to that cart (you cannot create an empty cart). Store the *CartId* and *HMAC* of the new cart in a way that allows you to link the cart to the current customer.

If the customer has an existing cart that they have not yet purchased, you may need to refresh their cart with a *CartGet* operation request, specifying the *CartId* and *HMAC* that were returned when the cart was created.

3. Allow the customer to browse/shop.

For each item that the customer wishes to purchase, you must locate a vendor and display their price/availability; once the item has been selected, you must add it to the cart with its ASIN (Amazon) or *OfferListingId* (non-Amazon vendors) using the *CartAdd* operation. To add to an existing cart, you must specify the *CartId/HMAC* of the existing cart.

If the customer wishes to change quantities or delete an item (i.e., set the quantity to zero), use the *CartModify* operation, and provide the *CartItemId* for the item entry to be modified or deleted. To modify an existing cart, you must also specify its *CartId/HMAC*.

If the customer wishes to save an item for later purchase, you can use the *CartModify* operation, specifying the *CartId/HMAC* of the existing cart.

If the customer wishes to delete all of their cart items, use the *CartClear* operation, specifying the *CartId/HMAC* of the existing cart. Note that this removes both cart items and saved items.

4. Process the Purchase button by transferring the customer to Amazon's Web site via the purchase URL that was returned with the latest cart operation. This URL includes your Associate ID (to ensure correct credits for commissions) as well as encoded versions of the *CartId* and *HMAC* for the customer's cart.

5. Discard the *CartId* and *HMAC* and update your customer's record to indicate that future visits will start a new shopping session with a new cart.

Development and Usage Notes

Receiving Commissions through the Associates Program

To receive commissions on sales through the Amazon Web sites, you must be a member of the Associates program. If you are not a member, you can apply at one of the Associates Program sites (listed below) to receive an Associate ID. The Associate ID is the means by which Amazon identifies who has referred a sale to an Amazon Web site and the Associate ID is used to credit commissions.

Locale	Associates Program Web site
US	http://www.amazon.com/associates
UK	http://www.amazon.co.uk/associates
JP	http://www.amazon.co.jp/associates
DE	http://www.amazon.de/partner
FR	http://www.amazon.fr/partenaires
CA	http://www.amazon.ca/associates

Note that the Associate ID is site-specific, i.e., an ID for the Japanese site will not credit your commissions if used on the German site. Associate ID values are not validated by Amazon when making operation requests, so incorrect values are not flagged as an error. Incorrectly coded Associate ID values can result in sales commissions that are lower than expected.

Shopping carts are locale-specific, so shopping cart items are not shared between the different locales. If you're offering items from multiple locales, be sure to create one shopping cart per locale for a customer. You also need to provide a way for a customer to purchase the items from each shopping cart.

Other Important Development Issues to Consider

Some technical considerations to keep in mind are:

- An item in a cart may become unavailable between the time when the cart was created and when it is retrieved. Unavailable cart items are automatically changed to saved items when the customer's cart is submitted to Amazon.
- Pricing information can also change, literally on a minute-by-minute basis.
- Your use of ECS is restricted, as always, to one transaction per second.
- Amazon carts with items expire and are deleted if they remain inactive for more than 90 days. Empty carts are deleted after seven days.
- An Amazon remote cart can contain no more than 50 items. The 50-item limit is not affected by the quantity of each item (i.e., cart items can have a quantity > 1 and still count as a single item).
- Many products have per-item limits, usually around 3 or 5. If users request a higher quantity, ECS will automatically adjust the quantity to the pre-defined limit.
- If you try to add a duplicate item to the cart, ECS returns an *item_already_in_cart* error and the existing item and quantity remain in the cart unchanged.
- The *HMAC* is a security token that you must include along with the *CartId* in all *CartAdd*, *CartGet*, *CartModify*, and *CartClear* requests to let Amazon know what cart you want to access. You must always encode any plus sign ("+") characters as %2B in the *HMAC* value in your

cart request operations. The HMAC embedded in the purchase URL is already encoded.

- Any application that uses the ECS cart must use the purchase URL to send customers to Amazon when they wish to purchase the contents of their cart.

Notes on Unexpected Behaviors and Errors

When working with items in REST requests, the normal practice is to specify `Item.1.ASIN`, `Item.1.Quantity` etc. The ECS engine will actually accept anything as the item index value, so `Item.foo.Quantity` and `Item.bar.Action` are also valid. This is not recommended practise.

[Errors common to all operations](#) can also occur in Cart operations. The cart-specific errors are described below.

Cart-specific errors

Error code	Description
<code>AWS.ECommerceService.ItemNotEligibleForCart</code>	This message is generated when you try to add an item that cannot be added, such as a parent ASIN. Parent ASINs cannot be purchased directly, you must purchase their variations (children).
<code>AWS.ECommerceService.InvalidCartId</code> or <code>AWS.ECommerceService.InvalidHMAC</code>	Cart may be expired, <code>CartId</code> or <code>HMAC</code> may be corrupted
<code>AWS.InternalError</code>	Can occur for a variety of errors, including invalid <code>CartId</code> or <code>HMAC</code> . This error seems to indicate an Amazon internal error, but may in fact mean that your request was invalid.
<code>AWS.ECommerceService.ExceededMaximumCartItems</code>	You have tried to add more than 50 entries.
<code>AWS.InvalidParameterCombination</code>	Adding an entry (with <code>CartCreate</code> or <code>CartAdd</code>) with BOTH ASIN and <code>OfferListingId</code> generates this error.
<code>AWS.ECommerceService.InvalidQuantity</code>	Quantity values must be positive integers or zero.
<code>AWS.ECommerceService.ItemAlreadyInCart</code>	When an item already is in the cart, you can modify its quantity, but you cannot add it again.
<code>AWS.MissingParameters</code>	Your request was missing at least one required parameter (e.g., quantity).
<code>AWS.ECommerceService.ItemNotAccessible</code>	You have specified an item that cannot be purchased through ECS (e.g., a product from a vendor that does not participate in ECS).
<code>AWS.ParameterOutOfRange</code>	The quantity for an item added to the cart must be between 1 and 999.

ECS Cart Alternatives

With ECS, you can build a remote shopping cart, add items to the cart, and provide a link for customers to complete their transaction on the Amazon Web site. However, to do so, you must create software that

uses the SOAP or REST requests, which requires programming skills and usually a server to host the application. As an alternative to using the Web services, Amazon provides a way to manipulate a customer's Amazon shopping cart using HTML forms.

There are two forms available for you to use:

- [Add to Cart form](#)
- [Buy Now form](#)

Add to Cart Form

The Add to Cart form allows you to add any number of items to a customer's Amazon shopping cart, which also sends a customer to the Amazon Web site.

Note

There is no direct way for a customer to get back to your site after getting sent to the Amazon site. To improve a customer's experience on your site, you may want to note this on your site or provide a way to get back to your site (using a new window, for example).

Although the parameters are optional, but you must specify at least one of the following parameters: ASIN, ExchangeId (along with the SellerID and ASIN), or OfferListingId.

Add more than one items to the customer's cart by appending each set of parameters with a period, then a unique identifier, which establishes a relationship between the parameters (for example, "ASIN.1=[An ASIN]&Quantity.1=1&ASIN.2=[Another ASIN]&Quantity.2=12").

The Add to Cart form works with all locales. Send the Add to Cart form data to one of the following URLs:

```
http://www.amazon.com/gp/aws/cart/add.html
http://www.amazon.co.jp/gp/aws/cart/add.html
http://www.amazon.co.uk/gp/aws/cart/add.html
http://www.amazon.de/gp/aws/cart/add.html
http://www.amazon.fr/gp/aws/cart/add.html
http://www.amazon.ca/gp/aws/cart/add.html
```

Input Parameters for the Add to Cart Form

Parameter	Description
ASIN. <i>x</i>	Specifies one or more product ASINs to add, where <i>x</i> is a unique identifier.
ExchangeId. <i>x</i>	Specifies one or more products using the exchange ID, where <i>x</i> is a unique identifier. Exchange IDs are available for every item offered by a third-party seller. When using ExchangeId, you must also specify a matching SellerID and ASIN.
OfferListingId. <i>x</i>	An alternative way to specify one or more product offer listings from third-party sellers, where <i>x</i> is a unique identifier.
Quantity. <i>x</i>	Specifies the amount of a certain product to add to the cart, where <i>x</i> matches the unique identifier for

Parameter	Description
	an ASIN, OfferListingId, or ExchangeId parameter.
SellerId.x	Use the SellerId parameter to ensure that the customer purchases the product from a particular seller, where x matches the unique identifier for an ASIN, OfferListingId, or ExchangeId parameter.
AWSAccessKeyId	Your Access Key ID Here. You may want to specify this as a hidden parameter.
AssociateTag	Your associate tag. You may want to specify this as a hidden parameter.

Example HTML for the Add to Cart Form

```
<form method="GET" action="http://www.amazon.com/gp/aws/cart/add.html">
<input type="hidden" name="AWSAccessKeyId" value="Access Key ID" /><br/>
<input type="hidden" name="AssociateTag" value="Associate Tag" /><br/>
<p>One Product<br/>
ASIN:<input type="text" name="ASIN.1" /><br/>
OfferListingId:<input type="text" name="OfferListingId.1" /><br/>
Quantity:<input type="text" name="Quantity.1" /><br/>
ExchangeId:<input type="text" name="ExchangeId.1" /><br/>
SellerId:<input type="text" name="SellerId.1" /><br/>
<p>Another Product<br/>
ASIN:<input type="text" name="ASIN.2" /><br/>
OfferListingId:<input type="text" name="OfferListingId.2" /><br/>
Quantity:<input type="text" name="Quantity.2" /><br/>
ExchangeId:<input type="text" name="ExchangeId.2" /><br/>
SellerId:<input type="text" name="SellerId.2" /><br/>
</p>
<input type="submit" name="add" value="add" />
</form>
```

Buy Now Form

The Buy Now form allows the customer to enter the appropriate handling and shipping fee, so be sure to explain this somewhere in your application.

Send the Buy Now form data to the following URL:

<http://s1.amazon.com/exec/varzea/dt/cbop/order-checkout/>

Input Parameters for the Buy Now Form

Parameter	Description
purchase-navbar	An image that is added to the top of the purchase pages. This allows you to associate the look and feel of your site with the purchase pages on the Amazon Web site.

Parameter	Description
purchase-store-name	The name of your site, which is listed under the navbar image.
purchase-return-url	The link URL that is activated when a user clicks on the navbar image.
purchase-exchange-id	The item sold by a third-party seller.
purchase-quantity	The amount of a particular item to purchase.
purchase-storefront-name	Name of the storefront that is selling the product

Example HTML for the Buy Now Form

```
<form action="http://s1.amazon.com/exec/varzea/dt/cbop/order-checkout/" method="post">
<input type="hidden" name="purchase-navbar"
value="https://www.mysite.com/navbar.gif"/>
<input type="hidden" name="purchase-store-name" value="My Storefront Name"/>
<input type="hidden" name="purchase-return-url"
value="http://www.mysite.com"/>
<input type="hidden" name="purchase-exchange-id" value="[An exchange ID]"/>
<input type="text" name="purchase-quantity" value="1" size="2"/>
<br><input type="hidden" name="purchase-storefront-name"
value="thestorefrontname"/>
<input type="image"
src="http://images.amazon.com/images/G/04/buttons/buy-now-from-seller-with-payments.gif"
width="170" height="29" border="0"/>
</form>
```

Retrieving Customer Content

Amazon E-Commerce Service (ECS) provides access to different types of content that customers create on the Amazon Web sites, including product and restaurant reviews, wish lists, and Listmania lists. You can retrieve content from specific Amazon customers using the `CustomerContentLookup` and `CustomerContentSearch` operations.

Searching for Customers

US only.

The `CustomerContentSearch` operation searches for customers by name or email address. You must specify either a name or an email address, but not both.

For example, the REST request below would search for customers named "Smith".

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=CustomerContentSearch
&Name=Smith
```

You can specify multiple names by separating them with URL-encoded spaces (%20) as shown in the REST request below which would search for John Smith.

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
```

```
&AWSAccessKeyId=[ ID] &Operation=CustomerContentSearch  
&Name=Smith%20john
```

Note that capitalization and word order in the name are not significant.

The REST request below would search for a customer by email address.

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService  
&AWSAccessKeyId=[ ID] &Operation=CustomerContentSearch  
&Email=jsmith@xyz.com
```

Paging through the Results

The `CustomerContentSearch` operation retrieves twenty customers at a time. If your search results in more than twenty customers, you can make multiple requests to retrieve additional blocks of twenty customers (pages). In the case of `CustomerContentSearch`, you can page through customers with the `CustomerPage` parameter as shown in the table below.

Parameter	Default Page Num.	Items Per Page	Valid Values	Description
CustomerPage	1	20	1..20	Customers. Up to 20 pages of customers can be returned (20 per page).

If this parameter is omitted, only the first page is returned. However the data also indicates the number of customers (and the number of pages) so that additional pages can be retrieved if desired.

Looking up a Specific Customer's Information

US only.

The `CustomerContentLookup` operation returns only information that customers have chosen to make public on Amazon. No credit card, address, email, billing or transaction data is available. All that is available is (as permitted by the customer) their name, location (city/state), wish list ID, customer-written reviews, nickname and birthday.

Customer ID values are returned from customer operations like `CustomerContentLookup`, `CustomerContentSearch`, `ListLookup` and `ListSearch` as well as `ItemSearch`, `ItemLookup` and `SimilarityLookup` which include customer reviews, `SellerListingSearch` and `SellerListingLookup` which include customer feedback.

Amazon does not link a customer ID with any remote shopping carts that your application or Web site has created, and customer IDs cannot be used to search for shopping carts.

To look up a customer, submit a REST request that looks like the one shown below.

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=CustomerContentLookup &CustomerId=[ID]</pre>
----	--

By default, this returns basic customer information including location (city/state), name and nickname (as permitted by the customer).

You may request additional information by setting the *ResponseGroup* parameter. The *ResponseGroup* parameter for *CustomerContentLookup* has five allowed values:

- *Request*
- *CustomerInfo*
- *CustomerReviews*
- *CustomerLists*
- *CustomerFull*

For full customer information, you would thus submit a REST request like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=CustomerContentLookup
&CustomerId=[ID] &ResponseGroup=Request, CustomerFull
```

The first ten customer-written reviews will be returned with this request. If *Customer/TotalPages* indicates the number of pages of reviews available, and if it is larger than one, you can see additional pages of feedback (with ten feedback records per page) by submitting additional REST requests like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=CustomerContentLookup
&CustomerId=[ID] &ReviewPage=2
```

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=CustomerContentLookup
&CustomerId=[ID] &ReviewPage=3
```

You can see up to ten pages (100 total review entries, at ten per page) of reviews.

Managing List Items

The *ListSearch* and *ListLookup* operations return information about Amazon lists. You can use this information to display the lists in your application or provide a way for others to purchase items from a list.

List Types

There are four types of lists available through ECS:

Listmania

Customers can create random groups of items, called Listmania lists. Listmania lists can be as specific ("Dorm Room Essentials for Every Freshman") or as general ("The Best Novels of 2000") as customers choose.

WishList

Wish lists contain items for birthdays or any other special day. They ensure that gifts go to the right place and that the recipient doesn't receive more than he or she wants.

WeddingRegistry

Wedding registries contain items of interest to a wedding couple.

BabyRegistry

Gift givers can find any baby registry that has been created online, as well as any registry that has

been created in a Babies "R" Us or Toys "R" Us store and been made available online.

A customer can set list access restrictions to public, shared, or private. Public lists are accessible by everyone, private lists are not accessible, and shared lists, on the retail web site, are accessible only to people whom the customer identifies. ECS functionality, however, is different. Shared lists, like private lists, are never accessible.

Finding List IDs

Use list IDs to reference a list. There are two ways to find list IDs: using the `ListSearch` operation and finding the ID using an Amazon web site. See [ListSearch Operation](#) for more information on the `ListSearch` operation. The following tables illustrate where to find list IDs in the URL for an Amazon site.

URLs for WishList IDs

Locale	URL
US	http://www.amazon.com/gp/registry/[ID]
UK	http://www.amazon.co.uk/exec/obidos/registry/[ID]
DE	http://www.amazon.de/exec/obidos/registry/[ID]
JP	http://www.amazon.co.jp/exec/obidos/registry/[ID]
FR	http://www.amazon.fr/exec/obidos/registry/[ID]
CA	http://www.amazon.ca/exec/obidos/registry/[ID]

URLs for Listmania List IDs

Locale	URL
US	http://www.amazon.com/exec/obidos/tg/listmania/list-browse/-/[ID]
UK	http://www.amazon.co.uk/exec/obidos/tg/listmania/list-browse/-/[ID]
DE	http://www.amazon.de/exec/obidos/tg/listmania/list-browse/-/[ID]
JP	http://www.amazon.co.jp/exec/obidos/tg/listmania/list-browse/-/[ID]
FR	http://www.amazon.fr/exec/obidos/tg/listmania/list-browse/-/[ID]
CA	http://www.amazon.ca/exec/obidos/tg/listmania/list-browse/-/[ID]

URLs for WeddingRegistry and BabyRegistry List IDs

Locale	URL
US	http://www.amazon.com/exec/obidos/registry/[ID]

Adding List Items

Currently, it is not possible to add items to a list using ECS. Use an Amazon web site to add items to a list:

- www.amazon.com
- www.amazon.co.uk
- www.amazon.de
- www.amazon.co.jp
- www.amazon.fr
- www.amazon.ca

Purchasing List Items

When you purchase an item from a wish list or registry on an Amazon site, the list updates to show that an item was purchased. Your application can also update a list when a customer purchases an item using the information returned by the `ListSearch` and `ListLookup` operations. There are two ways for a customer to purchase an item from a list:

- Using a remote cart
- Using the detail page URL

The `ListItems` response group returns a `ListItemId` element for each item in a wish list or registry. Use the value of this element along with the item's ASIN to add a list item to a remote shopping cart.

Sample Request (REST)

```
http://webservices.amazon.com/onca/xml?  
AWSAccessKeyId=[Your Access Key ID Here]&  
Service=AWSECommerceService&  
Operation=CartCreate&  
Item.1.Quantity=1&  
Item.1.ASIN=B00003CXCT&  
Item.1.ListItemId=I1JRCAX9I2BC5W
```

Some response groups, such as `Small`, return the `DetailPageURL` element. A customer that goes to the URL has the option to purchase the item, and the wish list or registry updates accordingly.

Looking Up Seller Information

Using the `SellerLookup` operation, you can look up information about up to five vendors who sell on Amazon's platform. The `SellerLookup` operation allows you to retrieve information related to specific vendors' feedback from customers, location, and name. You may look up Amazon Marketplace Sellers or Merchants; the operation accepts as input either a Marketplace Seller ID or a Merchant ID (Merchant IDs apply to the US only).

REST Examples

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=SellerLookup &SellerId=[ID]</pre>
----	---

UK	<code>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=SellerLookup &SellerId=[ID]</code>
DE	<code>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=SellerLookup &SellerId=[ID]</code>
JP	<code>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=SellerLookup &SellerId=[ID]</code>
FR	<code>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=SellerLookup &SellerId=[ID]</code>
CA	<code>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=SellerLookup &SellerId=[ID]</code>

The `SellerLookup` operation returns the seller's name, location, rating, and the first five feedback entries. The rating is returned in the `Seller/AverageFeedbackRating` element and is expressed as an average of the ratings provided by customers. A rating value of 5 would mean that every customer gave this seller five stars. A rating of 4.5 would mean that the seller received an average of 4.5 stars. Each `SellerFeedback/Feedback/` element contains a rating, comment, date and customer ID.

To look up more than one seller in a single request, insert a comma-delimited list of up to five Seller IDs in the `SellerId` parameter of the REST request. For SOAP requests, information about multiple sellers can be retrieved by including multiple `SellerId` elements in the request.

For the US only, you can look up a merchant using `SellerLookup` by specifying a merchant ID rather than a seller ID for the `SellerId` parameter. Merchants are large Amazon partners who typically have large retail brands of their own. `SellerLookup` requests with merchant IDs, including the Amazon merchant ID, do not return feedback ratings or customer feedback comments.

By default, `SellerLookup` returns the first five pieces of customer feedback for the specified seller(s). If `Seller/TotalFeedback` is larger than five and you wish to retrieve the additional pieces of feedback, you can use the `FeedbackPage` parameter to retrieve more feedback elements, five at a time. For example, the following REST `SellerLookup` requests show how to retrieve the second and third pages of feedback:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ ID] &Operation=SellerLookup &SellerId=[ ID]
&FeedbackPage=2
```

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ ID] &Operation=SellerLookup &SellerId=[ ID]
&FeedbackPage=3
```

You can retrieve up to ten pages (fifty total feedback entries, at five per page) of feedback.

Getting Product Listings for Marketplace Sellers

Looking up an Individual Seller Listing(s) for a Product

You can look up individual Marketplace listings of products for sale, as many as ten at a time, by using the `SellerListingLookup` operation.

For Marketplace items, you need to know the exchange ID. A REST request would look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=SellerListingLookup
&IdType=Exchange &Id=[ExchangeId]
```

US only: You cannot use `SellerListingLookup` to look up products sold by merchants. To look up a product sold by a merchant, use `ItemSearch` or `ItemLookup` with the `MerchantId` parameter.

This request returns [information about the product described by the listing, including ASIN, product name, condition, price and other details of the product.](#)

Searching for Seller Product Listings

If you do not know the listing ID or exchange ID, you can search seller listings for products in Marketplace with the `SellerListingSearch` operation. Searches can be done in only one store at a time (Marketplace).

US only: You cannot use `SellerListingSearch` to look up products sold by merchants. To look up a product sold by a merchant, use `ItemSearch` or `ItemLookup` with the `MerchantId` parameter.

- [Specifying the Search Parameters](#)
- [Controlling the Output](#)

Specifying the Search Parameters

The available parameters for the `SellerListingSearch` operation vary between the locales. See the `SellerListingSearch` reference for more information.

Searching for Listings of a Specific Seller

You may want to search seller listings for specific sellers. This is useful if you are a seller and you want to see all of your own listings, or all of a direct competitor's listings. Or for customers, this operation allows you to find all products listed by a known seller.

To search for listings of a seller, simply include the `SellerId` parameter in your operation request. Up to ten listings will be returned per request (or per page), and the `SellerListings/TotalPages` element will tell you the number of pages (`SellerListings/TotalResults` contains the total number of listings) available for this seller. You can then use the `ListingPage` parameter to view other pages of results.

For example, if you wanted to get the second page of listings for a given `SellerId` value, your REST request might look like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=SellerListingSearch &SellerId=[ID]
&ListingPage=2
```

Searching by Listing Product Characteristics

The *Title* parameter for *SellerListingSearch* allows you to search for product listings by the product's name or characteristics. *Title* can have multiple words, as long as spaces are URL-encoded as %20 in your REST request.

Title searches do not require the title to be complete and correct, only that the words match. For example, if you wanted to search for books that include "Labrador retriever" in the title, you might use the REST request shown below. Note that in general, keyword searches are more powerful because they search both title and product description.

REST Examples

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=SellerListingSearch &Title=Labrador%20retriever</pre>
UK	<pre>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=SellerListingSearch &Title=Labrador%20retriever</pre>
DE	<pre>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=SellerListingSearch &Title=Labrador%20retriever</pre>

Word order in the title list does not matter and case is not significant--searching for Harry%20Potter is the same as searching for potter%20harry.

Searching for Previously Sold (out of stock) Products or Getting Product Availability History

By default, *SellerListingSearch* retrieves only products for which the listing is still open (i.e., the product is still available). You can also search for discontinued, out of stock, or unavailable products. The *OfferStatus* parameter specifies whether you are searching for Open (available) products or Closed products. For example, if you wanted to see all offers for a video game, or to see the prices for used items that had sold in the past to see how prices had changed in the last six months, you might use a REST request that looked like this:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[ID] &Operation=SellerListingSearch
&Title=[GameTitle] &OfferStatus=Closed
```

Controlling the Output

Sorting the Output

The results of a *SellerListingLookup* are pre-sorted by setting the *Sort* parameter. By default, results are sorted with featured items first. The complete list of available *Sort* parameter values are listed in [Sort Values](#) in the API Reference.

Note

You must be an Amazon partner for your items to be eligible as featured items.

Paging through the Results

Each `sellerListingSearch` operation returns up to ten product listings. You can use the `ListingPage` parameter to retrieve additional pages of ten listings, up to 500 pages.

You can page through products with the `ListingPage` parameter as shown in the table below.

Parameter	Default Page Number	Items per page	Valid Values	Description
<code>ListingPage</code>	1	10	1..500	Products. Up to 500 pages of offers can be returned (10 offers per page).

Using the Amazon E-Commerce Service (ECS) Help Operation

The `Help` operation is a supplement to the product documentation. The `Help` operation provides information about input parameters and response groups for the operations of ECS. It is useful both as a learning tool and can be used with IDE tools as well to customize your development environment.

Parameters for the HELP operation

Parameter	Description
<code>Operation</code>	Help
<code>HelpType</code>	Operation or ResponseGroup
<code>About</code>	name of operation or response group for which information is desired

For example, if you want a list of valid parameters for the `ListSearch` operation, you might create the following REST request:

REST Examples

US	<code>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=Help &HelpType=Operation &About=ListSearch</code>
UK	<code>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=Help &HelpType=Operation &About=ListSearch</code>

DE	<code>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=Help &HelpType=Operation &About=ListSearch</code>
JP	<code>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=Help &HelpType=Operation &About=ListSearch</code>
FR	<code>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=Help &HelpType=Operation &About=ListSearch</code>
CA	<code>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=Help &HelpType=Operation &About=ListSearch</code>

If you want information about the valid response groups for the *Medium* response group, you might create the following REST request:

REST Examples

US	<code>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=Help &HelpType=ResponseGroup &About=Medium</code>
UK	<code>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=Help &HelpType=ResponseGroup &About=Medium</code>
DE	<code>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=Help &HelpType=ResponseGroup &About=Medium</code>
JP	<code>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=Help &HelpType=ResponseGroup &About=Medium</code>
FR	<code>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=Help &HelpType=ResponseGroup &About=Medium</code>

CA	<pre>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=Help &HelpType=ResponseGroup &About=Medium</pre>
----	--

Combining Operations into a Single Request

Amazon E-Commerce Service (ECS) requires that you make only one request per second. To assist you with maximizing your results in a minimum number of requests, ECS provides two ways to combine requests.

1. **Batch requests** - multiple requests for the same operation can be combined in one request; for example, you might combine a search for books and a search for DVDs into a single request.
2. **Multi-Operation requests** - multiple different operations can be combined into a single request; for example, you might do a product lookup and search for products in a single request.

Note

The limit for batch requests and multi-operation requests is currently two.

Errors in batch or multi-operation requests require special handling, [as described below](#).

Batch Requests - Combining Sets of Parameters for One Operation

A batch request allows you to combine requests (or sub-requests) for the same operation into one single request to ECS. Batch requests allow you to share parameters across each of the sub-requests, so that you do not have to include redundant parameters values in your sub-requests. For example, if you want to search for books and DVDs with titles containing "dog", you may include the `Title` parameter with the value of "dog" in the request's shared parameters and avoid repeating the parameter in both sub-requests.

To create a batch request:

1. Assemble the standard operation parameters: `Service`, `Operation`, `AWSAccessKeyId`, `AssociateTag` (optional). For batch operations, these parameters are the same for both sub-operation requests.
2. Assemble the shared parameters. For example, if both requests were to search for books, then both might require the `SearchIndex` parameter to be set to `Books`.
3. Assemble the parameters specific to the first request. For example, building on the books search example, you could include the `Author` parameter and set it to "Larson".
4. Assemble the parameters specific to the second request. For example, you could include the `Title` parameter and set it to "Horton Hears".

Here's a REST request for the example described above:

REST Examples

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=ItemSearch &ItemSearch.Shared.SearchIndex=Books &ItemSearch.1.Author=Larson</pre>
----	--

	<code>&ItemSearch.2.Title=Horton%20Hears</code>
DE	<code>http://webservices.amazon.de/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=ItemSearch &ItemSearch.Shared.SearchIndex=Books &ItemSearch.1.Author=Larson &ItemSearch.2.Title=Horton%20Hears</code>
UK	<code>http://webservices.amazon.co.uk/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=ItemSearch &ItemSearch.Shared.SearchIndex=Books &ItemSearch.1.Author=Larson &ItemSearch.2.Title=Horton%20Hears</code>
JP	<code>http://webservices.amazon.co.jp/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=ItemSearch &ItemSearch.Shared.SearchIndex=Books &ItemSearch.1.Author=Larson &ItemSearch.2.Title=Horton%20Hears</code>
FR	<code>http://webservices.amazon.fr/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=ItemSearch &ItemSearch.Shared.SearchIndex=Books &ItemSearch.1.Author=Larson &ItemSearch.2.Title=Horton%20Hears</code>
CA	<code>http://webservices.amazon.ca/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[Your Access Key ID Here] &Operation=ItemSearch &ItemSearch.Shared.SearchIndex=Books &ItemSearch.1.Author=Larson &ItemSearch.2.Title=Horton%20Hears</code>

See the following sections for more information about how to structure REST and SOAP requests.

Batch Requests in REST

For batch requests, REST parameter definitions have been extended as shown in the table below to permit the specification of the parameters for both operations.

Operation parameters for batch requests (REST)

Parameter	Description
Parameters that Specify the Batch Operation	Parameters that specify the batch operation. The only parameters that are treated this way in batch requests are the required parameters <i>Service</i> , <i>Operation</i> , and <i>AWSAccessKeyId</i> and the optional parameter <i>AssociateTag</i> .
Operation.1.Parameter	Parameters for the first request. Standard operations and parameters are permitted here. For example, <i>ItemSearch.1.Keywords</i> or <i>SellerLookup.1.SellerId</i> .
Operation.2.Parameter	Parameters for the second request. Standard operations and para-

Parameter	Description
	meters are permitted here. For example, <i>ItemSearch.2.Keywords</i> or <i>SellerLookup.2.SellerId</i> .
Operation.Shared.Parameter	Parameters that are common to both requests. Standard operations and parameters are permitted here. For example, <i>ItemSearch.Shared.Keywords</i> or <i>SellerLookup.Shared.ResponseGroup</i> .

For example, if you wanted to do two `ItemLookup` operations, one for an ASIN and another for a SKU, with the results formatted via the same XSL stylesheet, you might use the following parameters in a REST request:

Example of parameters for a batched request for `ItemLookup`

Parameter	Value
Operation	ItemLookup
ItemLookup.1.IdType	ASIN
ItemLookup.1.ItemId	<i>[ASIN to search for]</i>
ItemLookup.2.IdType	SKU
ItemLookup.2.ItemId	<i>[SKU to search for]</i>
ItemLookup.2.MerchantId	<i>[Merchant ID associated with SKU]</i>
ItemLookup.2.SearchIndex	SportingGoods
ItemLookup.Shared.Style	<i>[XSL style sheet to use for both requests]</i>
ItemLookup.Shared.ResponseGroup	Small,Offers

Batch Requests in SOAP

For SOAP batch operations are implemented by including a *Request* element for parameters that are specific to the first and second requests.

Shared parameters are contained inside a *Shared* element.

Multi-Operation Requests - Combining Different Operations in a Single Request

Multi-operation requests allow you to specify multiple operations in a single request. It's important to note that the requests are accepted and executed in parallel and are not chained. More specifically, if the first request is a search, the results of the search cannot be fed into the second request.

Multi-Operation Requests in REST

For multi-operation requests, as for batch requests, REST parameter definitions have been extended to permit the specification of the parameters for both operations.

The types of operation required are specified as a comma-separated list to the *Operation* parameter:

```
Operation=Operation1,Operation2
```

For example,

```
Operation=ItemLookup,ListSearch
```

would specify that the first operation was an *ItemLookup* and the second was a *ListSearch*.

You must specify the parameters for the first request in the form *Operation1.1.parameter* and for the second request in the form *Operation2.1.parameter*. For example, if the operations are

```
Operation=ItemLookup,ItemSearch
```

then the parameters are specified as *ItemLookup.1.parameter* and *ItemSearch.1.parameter*.

For example, if you wanted to do an *ItemLookup* and a *ListSearch* operation, you might use the following parameters in a REST request:

Example of parameters for a multi-operation request for an *ItemLookup* and a *ListSearch* operations (REST)

Parameter	Value
Operation	ItemLookup,ListSearch
ItemLookup.1.IdType	ASIN
ItemLookup.1.ItemId	<i>[ASIN to search for]</i>
ItemLookup.1.ResponseGroup	Request,Medium,Variations
ListSearch.1.ListType	WeddingRegistry
ListSearch.1.Name	<i>[Name to search for]</i>

Errors in Combined Requests

When requests are combined in a single request, there can be two types of errors:

Type of error	Result
Syntax error in the request (e.g., an invalid response group or a mis-spelled parameter)	The request will be rejected and neither operation will be completed.
Validly formed request that returns no data (e.g., a keyword is mis-spelled)	The return data will show the error block for the operation with the error and the return data for the other operation.

Searching for Restaurants

Amazon E-Commerce Service (ECS) supports searching for restaurants in several US cities, including Boston, Chicago, New York, San Francisco, Seattle and Washington, D.C.

Restaurants are stored as items in the database, with images and attributes. Since they are not available for purchase, restaurants have no offers or variations. However, they can have customer reviews. Attributes for restaurants include both their city (address) and their neighborhood, to facilitate easy grouping and browsing.

For restaurants, the image files are not photos of the restaurant itself, but a scanned page from the menu. Since menu pages are frequently updated, these images may not be current. Currently, only one page of the menu is available through ECS for each restaurant.

Restaurants include a price rating, with values as described in the table below.

Rating	Price per person (based on entree, appetizer or salad, one non-alcoholic drink plus tax and tip)
1	Under \$15 per person
2	\$15-\$30
3	\$30-\$45
4	Over \$45

Restaurants are categorized within browse nodes by city and by cuisine. The city browse nodes and some of the cuisine browse nodes are listed below.

City/Cuisine	Browse Node
Seattle	917978
Boston	917982
San Francisco	917980
New York	917976
Washington, D.C.	917986
Chicago	917984
American cuisine	1002940
Asian cuisine	1002944
Seafood	1003012
Greek	1002976
Indian	1002978
Italian	1002982
Japanese	1002984
Chinese	1002954

When looking up restaurants, the useful response groups are:

- *Request*
- *ItemAttributes*
- *Images*
- *Reviews*
- *BrowseNodes*

Looking up Specific Restaurant(s)

You may use the `ItemLookup` operation to find specific restaurants using their ASIN. Restaurants do not have SKUs or UPCs.

For example, you might use the following REST request to look up a restaurant:

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=ItemLookup &ItemId=[RestaurantASIN] &ResponseGroup=Request , ItemAttributes , Images</pre>
----	--

You can specify up to ten ASINs in a single request by inserting a comma-delimited list of ASINs in the `ItemId` parameter (REST) or by inserting multiple `ItemId` elements (SOAP).

If you wish to see reviews and browse nodes as well, you would use a REST request that looked like this:

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=ItemLookup &ItemId=[RestaurantASIN] &ResponseGroup=Request , ItemAttributes , Images , Reviews , BrowseNodes</pre>
----	--

If there are more than five reviews for the restaurant, you can use the `ReviewPage` parameter to retrieve up to 100 reviews. Ratings are based on the same 5-star rating system as other items in the Amazon database where 1 is poor and 5 is the best.

Searching for Restaurants

You can search for restaurants by various criteria using `ItemSearch`. If you set the `SearchIndex` parameter to `Restaurants`, you can then use any of the parameters listed below to specify the criteria for your search.

ItemSearch parameters permitted when SearchIndex is set to Restaurants

ItemSearch parameter	Description
Keywords	Search by words or phrases

ItemSearch parameter	Description
Title	Name of restaurant
BrowseNode	City or cuisine browse node ID
City	City name, e.g., Seattle
Cuisine	Cuisine type, e.g., Greek
Neighborhood	City neighborhood, varies by city. For example, for Chicago the neighborhoods include Gold Coast and River North.
ItemPage	Allows you to display multiple pages of restaurant results, since only ten search results are returned at a time, and there may be many pages of results.
Sort	Sorted order for returned results

For example, if you wished to find waterfront seafood restaurants in Boston, you might use the REST request:

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Restaurants &Keywords=seafood &City=Boston &Neighborhood=Waterfront &ResponseGroup=Request,ItemAttributes,Images,Reviews</pre>
----	--

If you wish, you can sort the results alphabetically (by restaurant name) if you set the *Sort* parameter to *titlerank* as shown in the REST request below.

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=ItemSearch &SearchIndex=Restaurants &Keywords=seafood &City=Boston &Neighborhood=Waterfront &ResponseGroup=Request,ItemAttributes,Images,Reviews &Sort=titlerank</pre>
----	--

Getting Transaction Data

US only. If you use the Amazon Web site to determine a transaction ID, you can get information about that transaction with the `TransactionLookup` operation. The returned information includes the transaction totals, tax and shipping charges. No information about the buyer or the products in the order is revealed through this operation. The `TransactionLookup` operation has only one parameter, `TransactionId` which specifies the transaction to query.

A REST request to retrieve transaction information would look like this:

US	<pre>http://webservices.amazon.com/onca/xml?Service=AWSECommerceService &AWSAccessKeyId=[ID] &Operation=TransactionLookup &TransactionId=[ID]</pre>
----	---

Working with the XML Data Output from Amazon E-Commerce Service (ECS)

Data returned by ECS is structured as an XML-formatted data stream. This portion of the documentation describes the XML tags that are used to implement the [conceptual data structures](#).

Throughout this documentation, we will be using XPath notation to specify XML elements and structures.

The data returned by ECS depends on what has been input into the Amazon catalog. As with any database, the contents vary depending on what was available when the data was created and by locale. Rare fields are not documented but may appear and occasionally some expected elements may be missing from the returned data.

The Common Structure for all Returned XML

Every XML response block generated by ECS looks something like this:

```
<?xml version="1.0" encoding="UTF-8">
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2004-03-19">
  <OperationRequest>
    ... XML header and HTTP request information
  </OperationRequest>
  <Items>
    ... XML data here
  </Items>
</ItemLookupResponse>
```

where the root tag corresponds to the ECS operation requested, the OperationRequest tag is standard to all operations, and the Items tag is a block of XML which varies for each operation, and contains the requested data.

The OperationRequest block contains the following:

Description			
OperationRequest/			
	HTTPHeaders/		
		Header	HTTP header information (usually not used by the developer).
	RequestId		Unique ID for this operation request. Sometimes requested by ECS support staff for help with debugging.
	RequestProcessingTime		An indicator of the time (in seconds) it took the Web service to process the request. This does not include the time it

			Description
			took the message to travel through the Internet, so long response times may be due to increased Internet traffic.
	Arguments/		
		Argument	One instance for each argument on the HTTP command line.

In the example above, an ItemLookup request has returned an ItemLookupResponse which contains an Items block containing the requested data. Each type of operation returns different data, so the Items block is replaced by a block of XML appropriate to the requested operation. The table below lists the root tags and the tag for the block of data returned with the XML operation.

The root tag contains an <OperationRequest> block PLUS one of the second level content elements listed in the table below. (Note that for batch requests, there may be more instances of the second level block up to the number of requests, currently a maximum of two.)

ECS Operation	Root tag of the XML Output	Content Element
ItemSearch	<ItemSearchResponse>	<Items>
ItemLookup	<ItemLookupResponse>	<Items>
SellerLookup	<SellerLookupResponse>	<Sellers>
Help	<HelpResponse>	<Information>
CustomerContentSearch	<CustomerContentSearchResponse>	<Customers>
CustomerContentLookup	<CustomerContentLookupResponse>	<Customers>
SimilarityLookup	<SimilarityLookupResponse>	<Items>
ListLookup	<ListLookupResponse>	<Lists>
ListSearch	<ListSearchResponse>	<Lists>
CartCreate	<CartCreateResponse>	<Cart>
CartAdd	<CartAddResponse>	<Cart>
CartModify	<CartModifyResponse>	<Cart>

ECS Operation	Root tag of the XML Output	Content Element
CartClear	<CartClearResponse>	<Cart>
CartGet	<CartGetResponse>	<Cart>
SellerListingSearch	<SellerListingSearchResponse>	<SellerListings>
SellerListingLookup	<SellerListingLookupResponse>	<SellerListings>
TransactionLookup	<TransactionLookupResponse>	<Transactions>
MultiOperation	<MultiOperationResponse>	Series of what would normally be request root blocks, one per request, nested within the <MultiOperationResponse>; e.g. <ItemSearchResponse>, <CartCreateResponse>, etc. In this situation, the operation response blocks do not contain an additional <OperationRequest>.

XML Tags for ECS Data

Within the root element, the child data elements available through ECS consists of:

- [Product data](#) - includes descriptive information (attributes), product variations and pricing information (offer listings and offers)
- [Other data](#) - includes customer information like lists and seller information such as seller feedback

The ECS documentation describes most comprehensive XML structure that may be returned. However [the returned data is limited and controlled in a variety of ways by your requests](#).

Errors

Errors generate an <Errors> block in the output XML. Its format is:

Structure of an <Errors> XML Block

Errors/			
	Error/		One Error block for each error
		Code	Contains an error string . These codes are permanently defined.

Errors/			
		Message	Contains a text message. The message is in Japanese for amazon.co.jp .

Product Data Output

Introduction

This portion of the ECS documentation describes the XML output that implements the [conceptual data model](#). We will assume that you are familiar with the basics of XML and understand the terminology of child/parent elements.

The Basic XML Product Data - The Items/ Element and its Children

Description		
Items/		
	Request/	Header that returns the input parameter values that were used to generate the response to this request.
	TotalResults	Number of products in the current collection, if the request was a search resulting in potentially more than one result.
	TotalPages	For search requests, the number of pages (at ten products per page) of products in the current collection.
	Item/	One instance for each product sold. Every product in the Amazon database had a unique Item/ element. Within this element are product characteristics, customer reviews, product variations, pricing and availability information, links to similar products and accessories, browsable product categories, and more.

XML Data for Individual Products - The Item/ Element

Each product in the Amazon database has its own Item/ element. These elements can occur in three

different places:

- *Items/Item/* - Returned by *ItemSearch*, *ItemLookup* and *SimilarityLookup*. The product element returned from searching ECS.
- *Item/Variations/Item/* - Returned when the current item is a parent product, which cannot itself be purchased, only its children (variations) can be purchased (e.g., you cannot buy a T-shirt, the parent product, but you can buy a large, red T-shirt, the child/variation product).
- *List/ListItem/Item/* - Returned when a wish list or Listmania list is returned from a *ListLookup* operation.

So, in effect, the *Item/* element occurs as the product element returned from database searches, but can also be repeated as a child element of *List/ListItem/* for lists or *Item/Variations/*, if variations exist.

Every product record can contain the elements listed in the table below.

Note that the only required element for every product is the [ASIN](#). The ASIN identifies products uniquely in ECS. Because each Amazon Web site has its own database, the ASIN for a specific product will be different on each site.

Child elements in an *Item/* element

Description		
<i>Item/</i>		
	ASIN	The Amazon Standard Identification Number (ASIN) is the unique identifier for each product in the database for the current Amazon Web site.
	Errors/	Details of any errors that occurred in the retrieval of this product record.
	DetailPageURL	URL for the Amazon page which describes this product.
	SalesRank	Ranking of sales volume against other products on the current Amazon Web page. The most popular product sold has rank 1, a sales rank value less than 100 is very popular, and low-volume products will have ranks with very high numbers.
	SmallImage/	URL and dimensions (in pixels) of a small image (thumbnail) of the product.
	MediumImage/	URL and dimensions (in pixels) of a medium-sized image of the product.

		Description
	LargeImage/	URL and dimensions (in pixels) of a large image of the product.
	ItemAttributes/	Parent element that contains elements that describe the product's characteristics and features. Over 200 distinct subfields specify attributes from weight and dimensions to color, stone clarity (jewelry) to the number of tracks on a music CD. A single product typically has a dozen or so of these fields specified, for a complete, computer-searchable description.
	OfferSummary/	Summarizes the number of merchants offering this product for sale, along with the lowest price for new, used, refurbished or collectible versions of this product.
	Offers/	ECS provides information for the products sold by many vendors, not just Amazon. For each vendor that sells the current product, offer information specifies prices and availability, allowing you to get competitive pricing information and research new, used, refurbished and collectible inventories for this product.
	VariationSummary/	Summary of product variations, if applicable.
	Variations/	Some products are available in multiple colors/sizes/styles. This is most common for apparel, jewelry and sporting goods. For such products, the parent object contains the information that is common to all variations of the product. The product variations are stored as child objects, in the <i>Variations/</i> element. So if the current product is, for example a T-shirt, the <i>Variations/</i> might include a Small red T-shirt and a Medium-sized blue T-shirt. When a product has variations, it has no offers (cannot be purchased itself), since only the variations are specific products available for sale.

		Description
	CustomerReviews/	One of the most useful features of the Amazon Web sites is their interactivity--customers from around the world contribute reviews of products and these reviews (and the customers' product ratings) can be retrieved from ECS for display by you application or Web site.
	EditorialReviews/	Editorial reviews are culled from a variety of professional and published sources. As available, they provide additional information about products.
	SimilarProducts/	When researching a product, it's always useful to see a list of similar products. Amazon keeps links to similar products to allow a more comprehensive browsing experience.
	Accessories/	List of products that are accessories to this product (e.g., if this product is a camera, accessories could include a camera bag and lenses).
	Tracks/	Songs (tracks) on this music recording (if applicable).
	BrowseNodes/	Each product in the Amazon database has been categorized in a variety of standardized, browsable ways. This element contains a list of product categories to which this product belongs.
	ListmaniaLists/	Another innovative feature of Amazon's Web sites is the ability for customers to create their own lists of favorite items, on any subject of their choosing. Customers have contributed lists of books on a wide variety of topic areas, grilling equipment that they liked, safe toys, etc. Each product that is mentioned in a list is linked to that list, to allow easy browsing of customer categorizations and comments.

Child Elements of Item/

The Item/ element's major child elements are:

- [Product Offers and Offer Listings](#)
- [Variation Data - US only](#)
- [Product Attributes - the Item/ItemAttributes Element](#)
- [Editorial and Customer Reviews](#)

Cross-linkages between Related Products

Related products in the Amazon product database can be located:

- Through [searching](#), using search indexes, browse nodes, keywords or various other searches (e.g., title, etc.)
- Through links to accessories and similar products using response groups (e.g., *Accessories*, *Similarities*, *CartSimilarities*, etc.)
- Through Listmania Lists (found through `ListSearch` or `ListLookup`)

The Search Links: Indexes and Browse Nodes

For each Amazon store, there is a search index that allows searching within that store.

In addition, every product has been categorized by one or more areas called browse nodes. Browse nodes are hierarchical product categories that return the following data structure:

BrowseNode/		
	BrowseNodeId	Used for searching by browse node
	Name	
	Children	
	Ancestors	

Product Offers and Offer Listings

Before your customer can purchase a product, you must find out which vendors are offering the product for sale.

- In ECS, an *offer* is the data associated with a vendor offering a product for sale in a specific condition (new, used, refurbished or collectible).
- *Offer listings* are the current price/availability for various shipping methods.

If there are no offer listings for an item, that item cannot be purchased. If the offer listing's availability does not begin with the words "Usually ships" (US) or equivalent (UK, DE, JP), then the product cannot be purchased.

Unlike the ASIN, which is a permanent identifier, offers and offer listings are more transient data specified by a vendor with available stock at a certain price. For this reason, offers should not be stored

locally for long periods of time.

- [Offer Summary Report](#)
- [Offer and Offer Listing Details](#)

The Offer Summary Report

You can get a summary of availability for different product conditions and available quantities for all vendors (including Amazon). The Amazon database divides product conditions into four categories:

- New
- Used
- Refurbished
- Collectible

You can use the OfferSummary response group with an ItemLookup, ItemSearch, SimilarityLookup or ListLookup operation to get an overview of whether there are offers available for each product condition and the lowest price in each category, as shown in the table below.

If you are only interested in New inventory, then Items/Item/OfferSummary/TotalNew will indicate how many vendors are offering this product for sale in new condition.

Children of the OfferSummary element

		Description
Items/ Item/OfferSummary/		
	LowestCollectiblePrice/	Lowest price for a collectible version of this product with child elements that contain the price .
	LowestNewPrice/	Lowest price for a new product with child elements that contain the price .
	LowestRefurbished- Price/	Lowest price for a refurbished product with child elements that contain the price .
	LowestUsedPrice/	Lowest price for a used product with child elements that contain the price .
	TotalCollectible	Number of offers for this product, in collectible condition. If TotalCollectible > 0 then LowestCollectiblePrice is the lowest price among these offers.
	TotalNew	Number of offers for this product, in new condition. If TotalNew > 0 then LowestNewPrice is the lowest price among these offers.
	TotalRefurbished	Number of offers for this product, refurbished. If TotalRefurbished > 0 then LowestRefurbished-Price is the lowest price among these offers.
	TotalUsed	Number of offers for this product, used. If

Description	
	TotalUsed > 0 then LowestUsedPrice is the lowest price among these offers.

Offer and Offer Listing Details

There are two ways to select a specific item for purchase:

- For Amazon products, offer listings are identified by the ASIN
- For other vendors, offer listings are identified by the OfferListingId

You may do an `ItemLookup`, `ItemSearch`, `SimilarityLookup` or `ListLookup` operation with the `ResponseGroup` parameter set to `OfferFull` or `Offers` in order to see all of the available offers and offer listings by vendors willing to sell a given product.

The table below shows the data returned in the `Offers/Offer` and `Offers/Offer/OfferListing` elements. Note that you must refer to the `Offers/Offer/OfferListing/Condition` element to determine whether the product is New, Used, Refurbished or Collectible.

The data in Offers and OfferListing elements

Description	
Offers/	One instance for each product.
TotalOffers	Total number of offers available.
TotalOffer-Pages	Number of pages of offers (10 offers per page).
Offer/	Multiple instances - one per vendor.
Merchant/	The vendor who has made the offer. US only. UK, DE and JP do not have MerchantId elements, only SellerId elements.
MerchantId	
Name	
GlancePage	A GlancePage is not returned when the merchant is Amazon.
Seller/	
SellerId	
SellerName	
Nickname	
GlancePage	

				Description
			About	
			MoreAbout	
			Location/	City, state and country where the seller is located.
			AverageFeed- backRating	Average customer feedback rating where 1=poor, 5=excellent.
			TotalFeedback	Number of customers who have provided feedback about this seller's service.
		OfferAttrib- utes/		
			Condition	New, used, refurbished or collectible.
			SubCondition	
			ConditionNote	
		OfferListing/		Possibly multiple instances, one per shipping method offered by the vendor.
			OfferListingId	Used to add this product to the shopping cart (non-Amazon vendors).
			Price/	Actual price for which this product is available with child elements that contain the price.
			SalePrice/	If this element is returned, then the item is currently available for a special lower price. Child elements contain the price.
			Availability	If this element does not begin with the words "Usually ships" (US) or equivalent (UK, DE, JP), then the product cannot be purchased.
			IsEligibleFor- SuperSaver- Shipping	This element is provided for only Amazon offers and has a value of 1 if the item is eligible and 0 if the item is not eligible.
			ISPUSStoreAd- dress/	If the item is available, this is the address of a store where pickup is available.
			ISPUSStore- Hours	Hours of the store where pickup is available.

Variation Data

Variation data applies only to the US locale. Some products are available in various sizes, colors or styles. The XML data returned by ECS consists of two different types of item records:

	Can be purchased?	Has image of product?	Description
Parent product (e.g., T-shirt)	No	Yes	Describes the features common to all individual products. No offers or browse nodes.
Child (variation) products (e.g., T-shirt in blue, size small)	Yes	Sometimes	Includes attributes common to its parent and also unique elements including <i>ClothingSize</i> and <i>Color</i> .

If you look up a parent ASIN, it will show that there are no offers available for that product. Specifying the response group *Variations* however will return ASIN products which do have offers and can be purchased. Specifying the response group *VariationImages* will return image links for child products, if they are available.

Alternately, you can look up the child products individually.

A single parent product typically has multiple child products.

Variations are used primarily in the Apparel and Sporting Goods stores.

To find the variations of a product, when doing an *ItemLookup*, *ItemSearch*, *SimilarityLookup* or *ListLookup* operation, you must include the response groups *Variations* (for details) or *VariationMinimum* (for a list of variation ASINs).

Variation Item Data

The child elements of [Variations/Item/ItemAttributes](#) are the same as for [Items/Item/ItemAttributes](#) and depend on the type of item.

Determining if Variations can be Purchased and their Price/Availability

Determining price and availability for variation products is the same as for other products, via product [offers](#) in the child (variation) ASIN.

Variation Summary

You can also retrieve a summary of variation data, similar to the offer summary. To get a variation summary, include the *VariationSummary* response group in your *ItemLookup*, *ItemSearch*, *SimilarityLookup* or *ListLookup* operation.

Child elements of a <VariationSummary> element

Element	Description
LowestPrice	Lowest price for any variation of this item with child elements that contain

Element	Description
	the price . Note that the actual price(s) are listed in the offer(s) .
HighestPrice	Highest price for any variation of this item with child elements that contain the price. Note that the actual price(s) are listed in the offer(s) .
LowestSalePrice	Lowest sales price ever offered for any variation of this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
HighestSalePrice	Highest sales price ever offered for any variation of this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
SingleMerchantId	If this item is sold by only one merchant, then this element contains the MerchantId for that vendor.

Product Attributes

The single largest collection of elements in Amazon E-Commerce Service (ECS) is the *Item/ItemAttributes* elements. Of course, not every attribute is available for every product. However for easier searching/sorting/management, a wide variety of attributes are available.

Image links and other data are stored in the *Item/* element.

Note that the values contained in the *ItemAttributes/* elements depend on the data stored in Amazon's database. For example, at press time, Amazon had just added the product weight as a separate attribute, to allow for easier calculation of shipping costs. However existing products were entered into the database without this value, and to date, many products do not yet have a weight attribute value.

For convenience in the tables below, the attributes are grouped by store (search index). This means that some common attributes such as title, product group, weight, length and width are duplicated in each category as appropriate. Note also that the order in which the products are listed in the table below does not necessarily correspond to the order in which they are returned in the XML data stream.

The stores / search indexes are:

- [Books](#)
- [Music](#)
 - [Audio CDs and Cassettes](#)
 - [Classical](#)
 - [MusicTracks](#)
 - [Digital Music Downloads](#)
- [Video](#)
 - [DVD](#)
 - [VHS](#)
- [Toys](#)
- [Apparel](#)
- [Baby](#)
- [Computer](#)
- [Video Games](#)
- [Electronics](#)

- [Photo](#)
- [Software](#)
- [Tools](#)
- [Office Products](#)
- [Health and Personal Care](#)
- [Beauty](#)
- [Magazines](#)
- [Sporting Goods](#)
- [Kitchen](#)
- [Home and Garden](#)
- [Outdoor Living](#)
- [Jewelry](#)
- [Gourmet Food](#)
- [Restaurants](#)
- [Musical Instruments](#)
- [Wireless](#)

Attributes of Items in the Book Store

Locale: All

Searchindex: Books (all locales), ForeignBooks (JP, DE, FR, and CA)

The *SearchIndex* called **ForeignBooks** is used for books from other countries and in different languages.

The attributes that are typically returned for books are shown below.

Item Attributes

Notes		
Item/ItemAttributes/		
	Author	Book author.
	Creator	
	Title	Book title.
	ProductGroup	Book
	ListPrice/	Standard list price element for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	Edition	The edition or version of a book.
	Binding	Indicates hardcover, paperback, trade paperback, CD, digital, etc.
	DeweyDecimalNumber	Dewey decimal code as commonly used in libraries (non-fiction only).

Notes		
	EAN	
	ISBN	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	NumberOfItems	
	NumberOfPages	
	PublicationDate	
	Publisher	
	ReadingLevel	

Attributes of Items in the Music Store

The music store contains four kinds of music:

- [Audio CDs and Cassettes](#)
- [Classical](#)
- [MusicTracks](#)
- [Digital Music Downloads](#)

Audio CDs and Cassettes

Locale: All

Searchindex: Music

This search index is used for all music CDs and cassettes. Note that *Item/Tracks* is only returned if you specified the *Tracks* response group.

Audio CD Attributes

Notes			
Item/ItemAttributes/			
	Artist		Performer.
	Creator		
	Title		
	ProductGroup		Audio CD, CD
	ListPrice/		Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed

			Notes
			in the offer(s) .
	Binding		Indicates CD, digital, etc.
	Format		
	Label		Recording company label.
	NumberOfTracks		Number of tracks (songs) on this CD.
	NumberOfDiscs		This element may not exist for regular (single disk) CDs.
	ReleaseDate		Date the CD was first released for sale.
	UPC		Universal Product Code
	EAN		
Item/Tracks			
	Disc		Attribute Number specifies disk number (1 if only one disk in the set).
		Track	Attribute Number specifies the track number. The element contents are the name of the track.

Attributes of Items in the Classical Music Store

Locale: All

Searchindex: Classical

This search index is for classical music CDs and cassettes. Note that *Item/Tracks* is only returned if you specified the *Tracks* response group.

Classical music attributes

			Notes
Item/ItemAttributes/			
	Title		
	Binding		Indicates CD, digital, etc.
	Creator		
	Label		Recording company label.
	ListPrice/		Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	NumberOfDiscs		This element may not exist for regular (single disk) CDs.

Notes			
	NumberOfTracks		Number of tracks (songs) on the CD.
	ProductGroup		
	ReleaseDate		
	UPC		
Item/Tracks			
	Disc		Attribute Number specifies disk number (1 if only one disk in the set).
		Track	Attribute Number specifies the track number. The element contents are the name of the track.

Attributes of Items in the Music Tracks Store

Locale: US (amazon.com), UK (amazon.co.uk), DE (amazon.de), JP (amazon.com.jp)

Searchindex: MusicTracks

This search index is used when searching for a specific song. The data returned is information about the CD or cassette which contains the desired song. Note that *Item/Tracks* is only returned if you specified the *Tracks* response group.

Music tracks attributes

Notes			
Item/ItemAttributes/			
	Title		
	Binding		Indicates CD, digital, etc.
	Creator		
	Label		Recording company label.
	ListPrice/		Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	NumberOfDiscs		This element may not exist for regular (single disk) CDs.
	NumberOfTracks		
	ProductGroup		
	ReleaseDate		
	UPC		
Item/Tracks			

Notes			
	Disc		
		Track	

Attributes of Items in the Digital Music (Downloads) Store

Locale: US (amazon.com)

Searchindex: DigitalMusic

This search index is used when searching for downloadable digital music.

Digital music downloads attributes

Notes		
Item/ItemAttributes/		
	Artist	Performer.
	Title	Title of the song.
	Creator	
	Label	Recording company label, if applicable. Many downloadable songs are created by small independent studios rather than recording companies.
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	NumberOfTracks	
	ProductGroup	Downloadable Music
	ReleaseDate	

Attributes of Items in the Video Store

The Video search index includes both DVD and VHS, as described below.

DVDs

Locale: All

Searchindex: DVD

This search index is used for searching for DVDs.

DVD Attributes

Notes		
Item/ItemAttributes/		

Notes	
Title	
Actor	
AspectRatio	
AudienceRating	<p>US: Based on the Motion Picture Association of America (MPAA) ratings, values are G, PG, PG-13, R, NR or unrated.</p> <p>DE: Based on age, values are: 6, 12 or 16.</p> <p>FR: Based on age, values are: PG, 12, 16, or 18.</p> <p>CA: Based on age, values are: G, PG, PG-13, R, NC-17, NR, Unrated, and Family Viewing.</p>
AudioFormat	
Director	
DVDLayers	
DVDSides	
Format	
ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
NumberOfDiscs	
PictureFormat	
ProductGroup	
RegionCode	1=US and Canada
ReleaseDate	
RunningTime	minutes
Studio	
TheatricalReleaseDate	
UPC	
Languages/	A container element that includes Language elements. Each Language element contains three elements: Name, Type, AudioFormat.

Videos

Locale: All

Searchindex: VHS

This search index is used for searching for VHS movie video cassettes.

VHS Attributes

Notes		
Item/ItemAttributes/		
	Actor	
	Title	
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	AudienceRating	<p>US: Based on the Motion Picture Association of America (MPAA) ratings, values are G, PG, PG-13, R, NR or unrated.</p> <p>DE: Based on age, values are: 6, 12 or 16.</p> <p>FR: Based on age, values are: PG, 12, 16, or 18.</p> <p>CA: Based on age, values are: G, PG, PG-13, R, NC-17, NR, Unrated, and Family Viewing.</p>
	Format	PAL NTSC Color Closed-captioned
	AudioFormat	
	Director	
	RegionCode	
	NumberOfItems	This element may not exist for regular (single tape) videos.
	PictureFormat	
	ReleaseDate	
	RunningTime	
	Studio	
	TheatricalReleaseDate	
	UPC	
	Language	

Attributes of Items in the Toy Store

Locale: US (amazon.com), UK (amazon.co.uk)

Searchindex: Toys

This search index is used for searching for children's toys.

Toy Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	AmazonMaximumAge	
	AmazonMinimumAge	
	Batteries	
	Feature	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	Manufacturer	
	ManufacturerMaximumAge	
	ManufacturerMinimumAge	
	NumberOfItems	
	Title	
	UPC	

Attributes of Items in the Apparel Store

Locale: US (amazon.com)

Searchindex: Apparel

This search index is used for searching for clothing and apparel.

Apparel Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	

		Notes
ListPrice/		Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	Brand	
	ClothingSize	
	Color	
	Department	
	FabricType	
	Feature	
	Title	

Attributes of Items in the Baby Store

Locale: US (amazon.com)

Searchindex: Baby

This search index is used for searching for baby products.

Baby Attributes

		Notes
Item/ItemAttributes/		
	ProductGroup	
ListPrice/		Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	Manufacturer	
	MaximumWeightRecommendation	
	NumberOfItems	
	Title	
	UPC	
	VariationDescription	

Attributes of Items in the Computer Store

Locale: US (amazon.com), DE (amazon.de)

Searchindex: PCHardware

This search index is used for searching for computer hardware. The [Software](#) search index is used for searching for software and the [Electronics](#) search index searches for various electronic products and components as well as computer hardware.

Computer Attributes

		Notes
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	BatteryType	
	CaseType	
	CDRWDescription	
	ComputerHardware-Type	
	CPUManufacturer	
	CPUSpeed	
	CPUType	
	DVDRWDescription	
	ExternalDisplaySupportDescription	
	FloppyDiskDriveDescription	
	GraphicsCardInterface	
	GraphicsDescription	
	GraphicsMemorySize	
	HardDiskCount	
	HardDiskSize	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.

Notes	
IncludedSoftware	
KeyboardDescription	
LineVoltage	
Manufacturer	
ManufacturerLabor-WarrantyDescription	
ManufacturerPartsWarrantyDescription	
MaximumColorDepth	
MemorySlotsAvailable	
Model	
ModemDescription	
MonitorSize	
MonitorViewableDiagonalSize	
MouseDescription	
NativeResolution	
NetworkInterfaceDescription	
NotebookDisplayTechnology	
NotebookPointingDeviceDescription	
Platform	
ProcessorCount	
Title	
SecondaryCacheSize	
SoundCardDescription	
SpeakerDescription	
SpecialFeatures	
SystemBusSpeed	
SystemMemorySize	
SystemMemorySizeMax	
SystemMemoryType	
TotalFirewirePorts	

Notes		
	TotalExternalBaysFree	
	TotalInternalBaysFree	
	TotalNTSCPalPorts	
	TotalParallelPorts	
	TotalPCCardSlots	
	TotalSerialPorts	
	TotalPCISlotsFree	
	TotalSVideoOutPorts	
	TotalUSBPorts	
	TotalUSB2Ports	
	TotalVGAOutPorts	
	UPC	

Attributes of Items in the Video Games Store

Locale: All

Searchindex: VideoGames

This search index is for video games. For UK, DE, FR, and CA, an additional search index *SoftwareVideoGames* includes both software and video games.

Video Games Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	AmazonMaximumAge	
	AmazonMinimumAge	
	ESRBAgeRating	
	Feature	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.

Notes		
	Publisher	
	ManufacturerMaximumAge	
	ManufacturerMinimumAge	
	NumberOfItems	
	Platform	
	Title	
	UPC	

Attributes of Items in the Electronics Store

Locale: US (amazon.com), UK (amazon.co.uk), DE (amazon.de), JP (amazon.com.jp)

Searchindex: Electronics

This search index is for electronic products and components. The [Software](#) search index is used for searching for software and the [Hardware](#) search index is included in the Electronics index.

Electronics Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	Batteries	
	BatteriesIncluded	
	Brand	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	Manufacturer	
	Model	
	NumberOfItems	
	Title	
	UPC	

Notes		
	VariationDenomination	
	VariationDescription	

Attributes of Items in the Camera/Photo Store

Locale: US (amazon.com), DE (amazon.de)

Searchindex: Photo

This index is for cameras and photographic equipment and supplies.

Camera/Photo Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	ApertureModes	
	BatteryDescription	
	BatteriesIncluded	
	CameraManualFeatures	
	Compatibility	
	ComputerPlatform	
	Connectivity	
	ContinuousShooting-Speed	
	DelayBetweenShots	
	DigitalZoom	
	DisplaySize	
	Feature	
	HasAutoFocus	
	HasSelfTimer	
	HasBurstMode	
	HasInCameraEditing	
	HasVideoOut	

Notes	
HasViewfinder	
HasRedEyeReduction	
HasTripodMount	
PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
ImageType	
IncludesMp3Player	
ISOEquivalent	
MacroFocusRange	
Manufacturer	
MaximumAperture	
MaximumFocalLength	
MaximumHighResolutionImages	
MaximumHorizontalResolution	
MaximumLowResolutionImages	
MaximumResolution	
MaximumShutterSpeed	
MaximumVerticalResolution	
MiniMovieDescription	
MinimumFocalLength	
MinimumShutterSpeed	
Model	
NumberOfItems	
NumberOfRapid-FireShots	
OpticalZoom	
PhotoFlashType	
Platform	
Title	
RemovableMemory	

Notes		
	ResolutionModes	
	Size	
	SystemMemorySize	
	UPC	
	VariationDescription	
	Warranty	

Attributes of Items in the Software Store

Locale: All

Searchindex: Software

This search index is used for searching for software. The [Hardware](#) search index searches for computer hardware.

Software Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	Binding	Indicates CD, digital, etc.
	ESRBAgeRating	
	Feature	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	Model	
	NumberOfItems	
	Publisher	
	Platform	
	Title	
	UPC	

Attributes of Items in the Tools/Hardware Store

Locale: US (amazon.com), DE (amazon.de)

Searchindex: Tools

This search index is used for searching for tools and hardware.

Tools / Hardware Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	Feature	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	Model	
	NumberOfItems	
	Manufacturer	
	Title	
	UPC	

Attributes of Items in the Office Products Store

Locale: US (amazon.com)

Searchindex: OfficeProducts

This search index is for office products.

Office Products Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .

Notes		
	EAN	
	Feature	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	Model	
	NumberOfItems	
	Manufacturer	
	Title	
	UPC	

Attributes of Items in the Health and Personal Care Store

Locale: US (amazon.com), UK (amazon.co.uk), DE (amazon.de)

Searchindex: HealthPersonalCare

This search index is for health and personal care products. The [Beauty](#) search index contains makeup and personal grooming products.

Health and Personal Care Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	Brand	
	Feature	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	Model	
	NumberOfItems	
	Manufacturer	
	Title	

Notes	
	UPC

Attributes of Items in the Beauty Store

Locale: US (amazon.com)

Searchindex: Beauty

This search index is used for makeup and personal grooming products. A related index, [HealthPersonalCare](#), is for health and personal care products.

Health and Personal Care Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	Brand	
	Feature	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	NumberOfItems	
	Manufacturer	
	Title	
	UPC	

Attributes of Items in the Magazine Store

Locale: US (amazon.com), DE (amazon.de)

Searchindex: Magazines

This search index is used for magazines and periodicals.

Magazines Attributes

Notes	
Item/ItemAttributes/	

Notes		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	FirstIssueLeadTime	
	IssuesPerYear	
	MagazineType	
	NumberOfIssues	
	Publisher	
	Title	
	SubscriptionLength	

Attributes of Items in the Sporting Goods Store

Locale: US (amazon.com)

Searchindex: SportingGoods

This index is used for sporting goods and sports equipment.

Sporting Goods Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	Brand	
	Feature	
	IsAutographed	
	IsMemorabilia	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	Manufacturer	

Notes		
	Title	
	UPC	

Attributes of Items in the Kitchen Store

Locale: US (amazon.com), UK (amazon.co.uk), DE (amazon.de), JP (amazon.com.jp)

Searchindex: Kitchen

This store is for kitchen equipment, gadgets and accessories.

Kitchen Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	Brand	
	Color	
	Feature	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	IsFragile	
	Manufacturer	
	Model	
	NumberOfItems	
	Title	
	UPC	
	VariationDescription	

Attributes of Items in the Home and Garden Store

Locale: UK (amazon.co.uk), DE (amazon.de)

Searchindex: HomeGarden

This index combines [HomeGarden](#), [Kitchen](#) and [OutdoorLiving](#) on the UK and DE sites.

Home and Garden Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	Brand	
	Color	
	Feature	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	IsFragile	
	Length	
	Manufacturer	
	Model	
	NumberOfItems	
	Title	
	Size	
	UPC	
	VariationDescription	

Attributes of Items in the Outdoor Living Store

Locale: US (amazon.com), UK (amazon.co.uk), DE (amazon.de)

Searchindex: OutdoorLiving

This search index is for various products, including kitchen, lawn and patio, and home improvement.

Outdoor Living Attributes

Notes		
Item/ItemAttributes/		

		Notes
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	Brand	
	Color	
	Feature	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	IsFragile	
	Manufacturer	
	Model	
	NumberOfItems	
	Title	
	Size	
	UPC	
	VariationDescription	

Attributes of Items in the Jewelry Store

Locale: US (amazon.com)

Searchindex: Jewelry

This search index is for jewelry and watches.

Jewelry and Watches Attributes

		Notes
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	BackFinding	

Notes		
	BandMaterialType	
	BezelMaterialType	
	Brand	
	CalendarType	
	CaseDiameter	
	CaseMaterialType	
	CaseThickness	
	ChainType	
	ClaspType	
	DialColor	
	DialWindowMaterial- Type	
	Feature	
	GemType	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.
	IsLabCreated	
	LegalDisclaimer	
	Manufacturer	
	MaterialType	
	MetalStamp	
	MetalType	
	Model	
	NumberOfPearls	
	NumberOfStones	
	PearlLustre	
	PearlMinimumColor	
	PearlShape	
	PearlStringingMethod	
	PearlSurfaceBlemishes	
	PearlType	
	PearlUniformity	

Notes		
	Title	
	RingSize	
	SettingType	
	SizePerPearl	
	StoneClarity	
	StoneColor	
	StoneCut	
	StoneShape	
	StoneWeight	
	TotalDiamondWeight	
	TotalGemWeight	
	TotalMetalWeight	
	UPC	
	WatchMovementType	
	WaterResistanceDepth	

Attributes of Items in the Gourmet Foods Store

Locale: US (amazon.com)

Searchindex: GourmetFood

This index is for gourmet foods and chocolate.

Gourmet Foods Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	EAN	
	Brand	
	Color	
	Country	
	Feature	

Notes		
	Ingredients	
	Manufacturer	
	Title	
	Size	
	UPC	
	PackageDimensions/	An element structure that contains details on the package width, height, length, and weight.
	ItemDimensions/	An element structure that contains details on the item width, height, length, and weight.

Attributes Returned from Restaurant Searches and Lookups

Locale: US (amazon.com)

Searchindex: Restaurants

Amazon supports [restaurant searches](#) only for US (amazon.com) and then only in certain cities (currently Boston, Chicago, New York, San Francisco, Seattle and Washington, D.C.).

Restaurants have browse nodes by city.

Restaurants have both their city (address) and their neighborhood, to facilitate easy grouping and browsing.

Note that for restaurants, the image files are not photos of the restaurant itself, but rather a scanned image of one page of the menu.

Restaurants Attributes

Notes		
Item/ItemAttributes/		
	Title	Name of Restaurant
	ProductGroup	Restaurant Menu
	Address	
	Cuisine	
	Neighborhood	
	PhoneNumber	
	FaxNumber	
	PriceRating	1=under \$15 2=\$15-30 3=\$30-45 4=over \$45 price per person, based on entree, appetizer or salad, one non-alcoholic drink plus tax and tip.

Attributes of Items in the Musical Instruments Store

Locale: US (amazon.com), UK (amazon.co.uk), DE (amazon.de), JP (amazon.com.jp)

Searchindex: MusicalInstruments

This search index is for musical instruments.

Musical Instruments Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	Title	
	Manufacturer	
	Feature	

Attributes of Items in the Wireless Store

Locale: US (amazon.com)

Searchindex: Wireless, WirelessAccessories

This search index is for cellular phones and accessories.

Wireless Attributes

Notes		
Item/ItemAttributes/		
	ProductGroup	Wireless
	ListPrice/	Standard list price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
	Title	
	Manufacturer	
	Feature	

Editorial and Customer Reviews

Editorial Reviews

Editorial reviews are gathered from various published sources including publisher literature, magazines, etc.

Editorial reviews are returned in the element *Item/EditorialReviews/* as shown in the table below.

EditorialReviews Element

Element		Notes
Item/EditorialReviews		
	EditorialReview	Multiple instances, one for each review available. Contains the text of the review, including its source and HTML formatting tags.

Editorial reviews are not rated by customers.

Customer-Contributed Reviews

Customer reviews are returned as *Item/CustomerReview/* elements as shown in the table below.

Element		Notes
AverageRating		Based on a 5-star system where 1=poor, 5=excellent
Review/		
	ASIN	Item reviewed.
	Content	Text of the review.
	Date	Date the review was created.
	HelpfulVotes	Number of people who found the review helpful.
	Rating	
	Summary	
	TotalVotes	Total number of people who voted on whether the review was helpful or not.
TotalReviewPages		
TotalReviews		

Product Availability Messages

The Offer Summary Report lists the availability of an item using the Availability element. The value of the availability element indicates if the item can be purchased or when the product usually ships. There are a number of possible Availability element values. The value returned by the Availability element may not match the product details page on the Web site because there are typically two versions of an

availability message: short and long. ECS returns the short value of the statement. The longer, more verbose availability message is used by most product detail pages.

For non-Amazon products in JP, FR, DE, and CA; the value returned by the Availability element is “1-2 business days,” or the localized equivalent, regardless of the actual availability.

The following table describes the possible Availability element values:

Message	Description
Usually ships in %X	A dynamic response where %X represents a variable amount of time.
In stock soon. Order now to get in line. First come, first served.	The item is available for purchase, but is not in stock.
Not yet released	The item is not available for purchase. The item may or may not have a projected release date. If there is a release date, it may show up in the ReleaseDate element of the item attributes.
Not yet published	The item is not available for purchase. The item may or may not have a projected release date. If there is a release date, it may show up in the ReleaseDate element of the item attributes.
This item is not stocked or has been discontinued.	The item is not available for purchase.
Out of Stock	The item is currently not available for purchase, but may be in the future.
Only %X left in stock--order soon (more on the way).	The item is available for purchase, but there may only be a few copies left where %X represents a variable amount of time.
Only %X left in stock--order soon.	The item is available for purchase, but there may only be a few copies left where %X represents a variable amount of time.
Limited Availability	Used for items sold by third-parties if an item is out of stock, but may be available for purchase later.
Out of Print--Limited Availability	Customers can choose to be notified if a copy becomes available.
Special Order	Titles occasionally go out of print or publishers run out of stock. The buyer is notified if the item becomes unavailable."
This item is currently not available by this merchant	The message is sent primarily for Amazon offers that are missing an availability message.

Common Product Data Elements

The following list of attribute elements are common to many items:

Amazon Standard Identification Number (ASIN)

The ASIN is the unique identifier for every item in the Amazon catalog. Since each locale has its

own customized database, the ASIN used to identify a product in one locale is usually not the same for the other locales. ASINs are alphanumeric strings.

Title

The Title element is part of every *ItemAttributes/* element returned by ECS. For books and music, this element contains the title of the work. For products like sporting goods or apparel, this element contains the name/short description of the product. For restaurants, this element contains the name of the restaurant.

EAN

European Article Number, same as Japanese Article Number (JAN).

ISBN

International Standard Book Number

Merchant ID

US only. Merchants are large Amazon partners who fill orders from their own inventories and have an extensive presence on the Amazon Web sites.

Seller ID

Sellers are any vendor who sells any product on Amazon's Web sites, from individuals selling a few used books to major corporations.

Feature

The Feature element can occur multiple times per item element. It is used for various descriptive information. The values of this element are not standardized, but are different for different products, even within the same product lines.

UPC

Universal Product Code. US only.

A Note on Listing Product Creators

Some product descriptions include the names of the people involved in creating the product, including writers, editors, performers, composers, conductors, etc. A few of these product creator roles are described by specific XML elements, partly because of their pervasiveness and partly because of compatibility issues with previous versions of ECS. However, the list of creative roles is too long to implement as individual XML tags, so the Creator tag was implemented. Its form is:

```
<Creator Role="role">name</Creator>
```

For example

```
<Creator Role="Composer">Mozard</Creator>
```

Note that the Role attribute values have been translated into other languages, so on amazon.de, you will see Role="Dirigent" whereas the US/UK sites will have Role="Conductor".

Some common creator roles and their implementation in ECS

US/UK/CA/FR	DE	JP	Description
<Creator Role="Composer">	<Creator Role="Komponist">		Composer, typically used for classical music.
<Creator Role="Performer">	<Creator Role="Kunstler">		
<Creator Role="Conductor">	<Creator Role="Komponist">		The orchestra conductor.

Package and Item Dimensions

The following elements are common to both the PackageDimensions and ItemDimensions attributes.

Length

Length of the product package. Units of measurement are specified in the Units attribute, e.g., units="inches".

Width

Width of the product package. Units of measurement are specified in the Units attribute, e.g., units="inches".

Height

Height of the product package. Units are specified in the Units attribute, e.g., units="millimeters".

Weight

Weight of the product package. Units of measurement are specified in the Units attribute, e.g., units="hundredths-pounds" or Units="grams".

Standard child elements for Price Elements

Price data returned by ECS consists of elements that contain the following tags:

Amount

Price of this item, in a format suitable for doing calculation.

- US - cents
- JP - yen
- UK - pence
- DE - cents
- FR - cents
- CA - cents

CurrencyCode

- USD - US dollars
- JPY - Japanese yen
- GBP - British pound
- EUR - Euros
- CND - Canadian dollars

FormattedPrice

The price in a format convenient for display onscreen. This includes the currency indicator and decimal point or comma(s) if applicable.

Other Output Data

This section of the documentation contains details of other XML tags returned by ECS.

- [Customer Data](#)
- [Seller Information](#)
- [Seller Listing Data](#)
- [The Shopping Cart](#)
- [Transaction Data](#)

- [Data Returned by HELP](#)

Customer Data

Customers

The *Customer/* element is returned by *CustomerContentSearch* or *CustomerContentLookup* operations. This data is available only if the customer has agreed to make it public on the Amazon Web site.

Customer

Element	Notes
Name	
Nickname	Not returned for JP, FR, and CA.
AboutMe	
Birthday	
CustomerId	
Location/	City, State and Country
TotalPages	
TotalResults	
WishListId	

Customer Reviews

Customer-contributed reviews are also available through ECS and are described in [the Reviews chapter of this manual](#).

Seller Information

Sellers are:Marketplace sellers. Seller information is returned:

- As a result of a *SellerLookup*. A *Sellers/Seller* element is returned for each seller, with all of the elements returned.
- As a result of a *SellerListingLookup* or *SellerListingSearch*. A *SellerListing/Seller* element is returned which contains only the *SellerId* and *Nickname* elements.
- As a result of *ItemSearch* or *ItemLookup*. An *Offers/Offer/Seller* element is returned which omits *SellerFeedback* and *SellerName*.

Element	Notes
Seller/	

Element		Notes		
	SellerId			Unique identifier of this seller
	Location/			Geographic location of this seller
		City		
		State		
	GlancePage			URL for Web page of this seller. A GlancePage is not returned when the merchant is Amazon.
	About			
	MoreAbout			
	SellerName			Seller's name
	SellerNick-name			Seller-provided nickname
	AverageFeed-backRating			Average rating given by customers
	TotalFeedback			Number of customer comments available for this seller.
	SellerFeed-back/			One instance per seller; element contains feedback comments by customers.
		Feedback/		One instance for each customer feedback comment.
			Rating	Customer evaluation, on a scale of 0 to 5 where 5 is the best.
			Comment	Customer comments.
			Date	Date the comment was made.
			RatedBy	Customer ID of the individual making the comment.

Seller Listing Data

Seller listings are product listings. The *SellerListing* element has the child elements shown in the table below.

Element	Notes
ASIN	
Availability	
Condition	

Element	Notes
ConditionNote	Not returned for JP, FR, and CA.
EndDate	
ExchangeId	
FeaturedCategory	Not returned for JP, FR, and CA.
Image	
ListingId	
Price/	Price for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
Quantity	
QuantityAllocated	Not returned for JP, FR, and CA.
Seller/	
StartDate	
Status	
SubCondition	
Title	

The Shopping Cart

The shopping cart operations return a *Cart/* element which contains the product(s) that the customer wishes to purchase.

The cart is a very simple data structure that consists of:

Overview of the Cart element and its Child Elements

Data Structure	XML tag	Description
Shopping cart	Cart	The cart is a data container which holds a collection of items.
Cart items	Cart/ Cartitems/CartItem	Similar to a line item on an invoice, each cart item has a minimum of: a product identifier (typically an ASIN) and quantity. Cart items can also have other properties such as color, size, style, etc. depending on the product. There can be up to 50 cart items in an ECS cart. Cart items must be referenced by their identifier within the cart, the <i>CartItemId</i> : <i>Cart/CartItems/CartItem/CartItemId</i> rather than by ASIN. When available items are added to the cart (via <i>CartCreate</i> or <i>CartAdd</i>), they are added as cart items.
Saved items	Cart/	Saved items are still in the cart, but will not be

Data Structure	XML tag	Description
	SavedForLaterItems/ SavedForLaterItem	purchased until they are converted to cart items. When an unavailable or discontinued item is added to the cart, it is automatically added as a saved item rather than a cart item. However the Cart-Modify operation can be used to change saved items to cart items and vice versa.

The Cart element returned by the cart operations consists of:

The Cart element and its children

Element	Description		
Cart/			One instance returned for each cart operation response.
	CartId		Unique identifier returned from a CartCreate operation. Both CartId and HMAC are required to specify a cart and both should be validated on modified carts. Note that the <CartId> and <HMAC> elements may contain non-alphanumeric characters. If you wish to use CartModify, CartAdd, CartClear or Cart-Get with the same cart, you must be sure that such characters are URL-encoded.
	HMAC		Security token returned when the cart is created. Both HMAC and CartId are required to specify a cart and both should be validated on modified carts. HMAC is linked with the Associate ID that was used to create the cart, and subsequent operations on the cart will not be allowed if the Associate ID is different than the ID that was used for the cart creation. Note that the <CartId> and <HMAC> elements may contain non-alphanumeric characters. If you wish to use CartModify, CartAdd, CartClear or Cart-Get with the same cart, you must be sure that such characters are URL-encoded.
	PurchaseURL		Amazon URL for purchasing the contents of this cart. This URL

Element				Description
				encodes the <i>CartId</i> and <i>HMAC</i> as well as your Associate ID to ensure you are credited with a commission if/when the customer completes the purchase transaction.
	CartItems/			One instance per Cart. Contains the cart entries.
		CartItem/		Entry for an item currently being purchased.
			CartItemId	Unique identifier for this cart entry.
			ASIN	Amazon Standard Identification Number. Unique product identifier on the current Amazon Web site.
			Price/	Standard price element for this item with child elements that contain the price . Note that the actual price(s) are listed in the offer(s) .
			ProductGroup	Product category to which the item belongs (e.g., Book, Video, etc.)
			MerchantId	
			SellerId	
			ExchangeId	
			Quantity	Number of this product that are to be purchased.
			Title	Name or description of the product. For books, this is the title. For apparel, this is a brief description. For electronics, this is the product name/model.
	SavedFor-LaterItems/			
		SavedFor-LaterItem/		Entry for an item that is currently unavailable or no longer being currently considered for purchase.
			ASIN	
			ItemId	
			Price/	Standard price element for this item with child elements that contain the price . Note that the

Element				Description
				actual price(s) are listed in the offer(s) .
			ProductGroup	
			MerchantId	
			SellerId	
			ExchangeId	
			Quantity	
			Title	
	Similar-Products/			
		ASIN		
		Title		

Transaction Data

The Transaction element contains information about transaction totals.

Element	Notes
TransactionId	
SellerId	
Condition	New, used, refurbished or collectible.
TransactionDate	Format: yyyy-mm-ddThh:xx:ss (yyyy=year, mm=month, dd=day, hh=hours, xx=minutes, ss=seconds)
TransactionDateEpoch	Epoch date of the transaction (number of seconds since 1/1/1970).
SellerName	
Totals	

For Amazon partners, you will receive an additional element called *TransactionItem* which includes details of the items in the transaction.

Child Elements of the TransactionItem Element

Element	Notes
TransactionItemId	Analogous to <i>CartItem</i> or <i>LookupItemId</i> , an identifier that is only valid within the scope of this transaction.
Quantity	

Element	Notes
UnitPrice	
TotalPrice	
ASIN	
ChildTransactionItems/	

Data Returned by HELP

The `Help` operation returns an *Information* element that contains two elements:

If you set the *HelpType* parameter to *Operation*, the *Information* element contains an *OperationInformation* element.

If you set the *HelpType* parameter to *ResponseGroup*, the *Information* element contains a *ResponseGroupInformation* element.

The OperationInformation Element

This element contains a description of an operation, as shown in the table below.

Child Elements of an OperationInformation Element

Element	Notes
Name	
Description	
RequiredParameters/	One instance containing multiple <i>Parameter</i> child elements, one for each required parameter. Required parameters must be included in each operation request of this type or an error will be returned.
AvailableParameters/	One instance containing multiple <i>Parameter</i> child elements, one for each optional parameter. Required parameters are not included in this element. If an optional parameter has a default value and it is not included in the operation request, then the default value will be used to generate the response to the operation.
DefaultResponseGroups/	One instance containing multiple <i>ResponseGroup</i> child elements, one for each default response group.
AvailableResponseGroups/	One instance containing multiple <i>ResponseGroup</i> child elements, one for each valid response group. Default response groups are included in this element.

The ResponseGroupInformation Element

This element is returned when a `Help` operation has the *HelpType* parameter set to *ResponseGroup*. This element describes a response group.

Element	Notes
Name	
CreationDate	Earliest WSDL version that included this response group.
ValidOperations/	One instance with multiple <i>Operation</i> child elements, one for each operation for which this response group is valid.
Elements/	One instance with multiple <i>Element</i> child elements, one for each element that is potentially returned by operation requests that specify this response group.

Controlling the Output

ECS provides several mechanisms for controlling and managing the output that is returned from your operation requests.

Specifying the Ordering and Quantity of Output Data

Several methods are provided for controlling output through the operation requests.

- Response groups - Response groups divide all the elements that can potentially be returned by an ECS operation into subsets of elements. These subsets allow you to retrieve smaller chunks of data rather than all the elements that could be returned based on your request. Response groups allow you to minimize bandwidth usage by requesting smaller chunks of data, minimize the amount of extra information you have to parse to get what you want, and reduce the number of calls ECS makes to backend services, thereby allowing ECS to construct the response faster.
- Sorting the data - The *Sort* parameter allows you to request that the returned data be ordered in various ways. For example, you may choose to have the products returned by an *ItemSearch* request sorted in alphabetical order based on the product titles.
- Paging through the data - Because of the size of Amazon's database, a search can result in thousands of matches. Amazon returns data in groups ("pages") of varying numbers of records, depending on the data. You can control which page is returned by requesting the first page, last page, etc. as desired.

Each of these methods is described in the documentation page for the individual operations.

Specifying the Tags to use for Formatting Output Data

If you prefer, ECS can return an XML or HTML data stream that is formatted according to your preferred tag system, [using an XSL template](#).

Handling Error Codes

Amazon E-Commerce Service (ECS) provides specific and descriptive errors to help you troubleshoot problems with your requests. Each error consists of two components: an error code that identifies the error, and an error message that describes what the error is and how it occurred, most error messages provide advice about how to correct the error. For a detailed list of error codes and messages, check the [Error Codes and Messages](#) section of the API Reference.

Where Error Codes Appear

Error codes may appear at different levels within the XML response, depending on the operation and response groups used to generate the response. Each error is described by an Error element, and the individual Error elements occupy an Errors container element.

Errors that result from an invalid request appear at the top level of the response; in this case, the Errors element is a child of the root element of the response. An invalid request is one that ECS cannot run at all, such as a request that is missing the Service parameter.

Most errors appear at a deeper level of the response set. If an error is associated with a particular item (for example, a product, customer, or seller), the Error element is a descendent of that item in the response set. For example, an error associated with a specific product appears beneath the product's Item element.

If the error prevents retrieval of items, the Error element appears beneath the container that would normally hold such retrieved items. For example, a syntax error that prevents any products from being returned by an ItemSearch operation appears beneath the Items container element.

Typical Invalid Request Error

This response contains a top-level error in the Errors element.

```
<Errors> <Error>
<Code>missing_service_parameter</Code> <Message> Your request
is missing the Service parameter. Please add the Service parameter to your
request and retry. Valid values for the Service parameter include
AWSECommerceService. </Message> </Error>
</Errors>
```

This is the invalid request that generated the error:

```
http://webservices.amazon.com/onca/xml?
```

Typical Error

This response contains an error at the Items level.

```
<ItemSearchResponse> <OperationRequest>
<HTTPHeaders> <Header Name="UserAgent"
Value="StandaloneModeUserAgent"/> </HTTPHeaders>
<RequestId>0E3CHSW8S5FCV3RHSTFS</RequestId> <Arguments>
<Argument Name="Service" Value="AWSECommerceService"/> <Argument
Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/> <Argument
Name="Operation" Value="ItemSearch"/>
</Arguments> </OperationRequest> <Items> <Request>
<IsValid>False</IsValid> <Errors> <Error>
```

```
<Code>missing_parameters</Code> <Message> Your request is  
missing required parameters. Required parameters include SearchIndex.  
</Message> </Error> </Errors> </Request> </Items>  
</ItemSearchResponse>
```

This is the request that generated the error:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService  
&AWSAccessKeyId=[Your Access Key ID Here]  
&Operation=ItemSearch
```

Retrieving Errors

Often you will want your code to check whether or not a request generated an error before spending any time attempting to process results. The easiest way to find out if an error occurred is to look for an Error node in the response.

XPath Error Code Retrieval

XPath syntax provides a simple way to search for the presence of an Error node, as well as an easy way to retrieve the error code and message. The following code snippet uses Perl and the XML::XPath module to determine if an error occurred during a request. If an error occurred, the code prints the first error code and message in the response.

```
use XML::XPath; my $xp = XML::XPath->new(xml =>  
$response); if ( $xp->find("//Error") ) { print "There was an error  
processing your request:\n", " Error code: ",  
$xp->findvalue("//Error[1]/Code"), "\n", " ",  
$xp->findvalue("//Error[1]/Message"), "\n\n"; }
```

Using XSLT with ECS

XSLT Service Overview

Amazon E-Commerce Service (ECS) provides an XSLT (Extensible Stylesheet Language Transformation) service to ensure that even novice developers can produce rich content without complex parsing or programming. ECS provides XSLT for XML over HTTP (REST) requests only.

XSL is an XML-based language for transforming XML tags into either HTML or an alternate set of XML tags. To use the ECS XSLT service, you must provide an XSL style sheet with your request and ECS will return data formatted according to that style sheet rather than the ECS default XML tags.

XSLT Service URLs

For security reasons, Amazon Web Services use a different set of domains for processing XSLT requests. Requests sent to the standard domains (for example, <http://webservices.amazon.com>) are re-directed to a different domain. If your Web client does not support re-directs, send XSLT requests directly to one of the following domains:

List of XSLT Service URLs

Locale	URL
US	xml-us.amznxslt.com
DE	xml-de.amznxslt.com
FR	xml-fr.amznxslt.com
CA	xml-ca.amznxslt.com
JP	xml-jp.amznxslt.com
UK	xml-uk.amznxslt.com

XSL is an XML-based language for transforming XML tags into either HTML or an alternate set of XML tags. To use the ECS XSLT service, you must provide an XSL style sheet with your request and ECS will return data formatted according to that style sheet rather than the ECS default XML tags.

Specifying an XSLT Style Sheet

The *style* request parameter allows you to specify the location of your XSLT style sheet. In the example below, the results of the `ItemLookup` operation are returned with the standard ECS XML tags transformed according to the contents of the XSLT style sheet
`http://www.yourdomain.com/your-xsl-style-sheet.xsl`.

Sample Request with Style Parameter

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=ItemLookup
&IdType=ASIN
&ItemId=B000080E6I
&ResponseGroup=Large
```

&Style=http://www.yourdomain.com/your-xsl-style-sheet.xsl

Building an XSL Style Sheet with Namespaces

You must create a namespace prefix at the top of your style sheet. In previous versions of ECS, it was possible to use the default namespace, which meant that you did not need to specify a namespace to access elements in the response. This is no longer the case.

You use the namespace in your XSL stylesheet to access elements in your ECS response. For more information about XML namespaces, we recommend these articles:

- <http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dnxml/html/xml05202002.asp>
- <http://msdn.microsoft.com/msdnmag/issues/01/07/xml/>

Here is a sample style sheet that shows how namespaces are defined and used with ECS responses:

<http://webservices.amazon.com/xsl/aws4/item-search.xsl>

Setting the Namespace Prefix

In this example, the third line that starts with `xmlns` defines a namespace prefix and URL for the style sheet. The namespace prefix is `aws`, and the namespace URL is `http://webservices.amazon.com/AWSECommerceService/2004-03-19`. In your style sheet, you may name the namespace prefix anything. The namespace URL must match the namespace URL that is returned to you in the ECS response. The namespace URL will typically be in the second line of the ECS response and will look something like the namespace URL in the example above.

```
<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:aws="http://webservices.amazon.com/AWSECommerceService/2004-03-19">
```

Using the Namespace Prefix to Match Elements

Once you have created your namespace prefix, use it to match elements in the ECS response. For instance, if you are trying to match an element called `ItemLookupResponse`, and your prefix is `aws`, the matching string would be `aws:ItemLookupResponse`.

Here is an example of how and where the namespace prefix should be used.

```
<xsl:template match="/">
  <xsl:apply-templates select="aws:Items/aws:Item"/>
</xsl:template>
<xsl:template match="aws:Items/aws:Item">
  <tr>
    <td style="border-bottom:#C0C0C0 dotted 1px;padding:10px">
      <table cellpadding="0" cellspacing="0" style="width: 90%;padding:5px">
        <tr>
          <xsl:if test="aws:SmallImage/aws:URL">
            <td valign="top" width="50">
              <img>
                <xsl:attribute name="src">
                  <xsl:value-of select="aws:SmallImage/aws:URL" />
                </xsl:attribute>
                <xsl:attribute name="border">0</xsl:attribute>
```

```
        </img>
      </td>
    </xsl:if>
    <td valign="top">
      <xsl:value-of select="aws:ItemAttributes/aws:Title" />
      <br />
      <span style="font-size:10px">
        <xsl:if test="aws:ItemAttributes/aws:Author">
          by <xsl:value-of select="aws:ItemAttributes/aws:Author" />
        </xsl:if>
        <xsl:if test="aws:ItemAttributes/aws:Artist">
          by <xsl:value-of select="aws:ItemAttributes/aws:Artist" />
        </xsl:if>
        <xsl:if test="aws:ItemAttributes/aws:Director">
          by <xsl:value-of select="aws:ItemAttributes/aws:Director" />
        </xsl:if>
        <xsl:if test="aws:ItemAttributes/aws:Composer">
          by <xsl:value-of select="aws:ItemAttributes/aws:Composer" />
        </xsl:if>
        <xsl:if test="aws:ItemAttributes/aws:Manufacturer">
          from <xsl:value-of se-
lect="aws:ItemAttributes/aws:Manufacturer" />
        </xsl:if>
      </span>
      <br />
      <br />
      <span style="font-size:11px;">
        List Price: <xsl:value-of
select="aws:ItemAttributes/aws:ListPrice/aws:FormattedPrice"
/>
      </span>
    </td>
  </tr>
</table>
</td>
</tr>
</xsl:template>
```

Troubleshooting Your Amazon E-Commerce Service (ECS) Application

Diagnosing Problems

We recommend the following processes to diagnose and resolve problems with your ECS-enabled Web sites or applications.

1. Verify that ECS is running correctly. To do this, simply open a browser window and submit a REST request. This will confirm that the service is available and responding to requests. Normally ECS is available 24 hours per day, 7 days per week.
2. Verify that your XSL style sheets are valid. To do this, run your requests both with and without the XSL style sheet, to determine if the problem is in the request or in your style sheets.
3. Check that you are specifying inclusive response groups. When you do not receive the expected information in your ECS response, this is typically because you have specified a response group(s) that does not include the data you want.
4. Check the structure of your request. Each ECS operation has a programming guide page and a reference page. Double check that you are using parameters correctly.
5. Try the request on one of the other locales.
6. If SOAP is not working, try your request with REST through your browser. That will help you determine if the problem lies with your code or your SOAP client or with ECS.
7. If your application is submitting requests faster than once per second per IP address, you may receive error messages from ECS until you decrease your rate of requests. You may need to consider multi-operation requests to minimize traffic.
8. Look at the sample applications to see if they are doing similar operations, for hints on what you might be doing wrong.
9. Try your request with multiple ASINs or keyword/title search strings. The Amazon catalog is extremely large, and sometimes individual products have anomalous data results.

Documentation Resources

The [Programming Guide](#) describes how to use the operations, including development notes about specific issues with each operation.

The [API Reference](#) guide is a comprehensive reference to parameters and usage.

If you are converting your application from a previous version of ECS, check the [Migration Guide](#) for conversion notes.

See the Release Notes for information about known issues.

To find out more about how ECS errors work and how you should handle them, see [Handling Error Codes](#).

Online Resources

If you are still having difficulty after trying the troubleshooting steps below and checking the ECS documentation, you can turn to these resources:

- The ECS Discussion Board is online at <http://forums.prospero.com/am-assocdevxml>

- The ECS Weekly Developer Chat, where you can ask members of the ECS team your questions. See the ECS [Discussion Board](#) for the chat schedule.
- The online FAQ is at <http://www.amazon.com/gp/browse.html/?node=3434651>

API Reference

This section of the SDK is a reference for the Amazon E-Commerce Service (ECS) API.

Syntax of operation requests:

- [Operations](#)

Complete reference lists for response groups and sort parameter values:

- [Response Groups](#)
- [Sort Values](#)

Complete reference list of search indexes and browse nodes:

- [Search Index Values](#)
- [SearchIndex / Parameter Combinations](#)
- [Browse Node Values](#)
-

Other reference information:

- [WSDL and Schema Locations](#)
- [Error Codes and Messages](#)

Operations

Amazon E-Commerce Service (ECS) operations give you access to much of the information available on Amazon's Web site. The operations are classified below by the type of information you can search for and look up using ECS.

ECS operations generally fall into two categories. Search operations, whose names end in "Search," allow you to query an Amazon Web site for content or data using keywords, titles, creator names, or other information. Lookup operations, whose names end in "Lookup," allow you to request content or data keyed by an ID such as an ASIN (Amazon Standard Item Number), a UPC (Universal Product Code), a wish list ID, or a seller ID.

For example, if you wanted to find all of the products containing the title word **Bioinformatics**, you would use `ItemSearch`. On the other hand, if you had the ASIN for the book "Beginning Perl for Bioinformatics," which happens to be **0596000804**, you would use `ItemLookup` to request information about this product.

Operations by Category

- `BrowseNodeLookup`
- `Help`
- [Customer Content Operations](#)
 - `CustomerContentLookup`
 - `CustomerContentSearch`
- [Item Operations](#)
 - `ItemLookup`
 - `ItemSearch`
 - `SimilarityLookup`
- [List Operations](#)
 - `ListLookup`
 - `ListSearch`
- [Remote Shopping Cart Operations](#)
 - `CartAdd`
 - `CartClear`
 - `CartCreate`
 - `CartGet`
 - `CartModify`
- `SellerLookup`
- [Third-Party Listing Operations](#)
 - `SellerListingLookup`
 - `SellerListingSearch`
- `TransactionLookup`

All Operations

The following operations are available in Amazon E-Commerce Service:

- [BrowseNodeLookup](#)

- [CartAdd](#)
- [CartClear](#)
- [CartCreate](#)
- [CartGet](#)
- [CartModify](#)
- [CustomerContentLookup](#)
- [CustomerContentSearch](#)
- [Help](#)
- [ItemLookup](#)
- [ItemSearch](#)
- [ListLookup](#)
- [ListSearch](#)
- [SellerListingLookup](#)
- [SellerListingSearch](#)
- [SellerLookup](#)
- [SimilarityLookup](#)
- [TransactionLookup](#)

BrowseNodeLookup Operation

Description

All products listed on Amazon's websites are classified into groups, such as product type (books, music, tools, or apparel), brand, subject, genre, style, and so on. The hierarchy of groups is called a browse area, where each group has a particular browse node ID in the browse area.

The `BrowseNodeLookup` operation allows you to retrieve information about a browse node, which is a specific Amazon product area. This operation returns the browse node's name and a list of browse node children. The browse node children contain a subset of the products included in the parent browse node's product area.

Availability

`BrowseNodeLookup` is only available in the US locale (Amazon.com)

Sample Request

Using `BrowseNodeLookup` (REST)

This example demonstrates how `BrowseNodeLookup` can be used.

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=BrowseNodeLookup
&BrowseNodeId=1065852
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`BrowseNodeLookup` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `BrowseNodeLookup` operation:

Parameter	Description	Re-quired?	Value
<i>Operation</i>	The operation.	Always Re-quired	BrowseNodeLookup
<i>BrowseNodeId</i>	The <i>BrowseNodeId</i> parameter specifies the browse node ID of the category that you want to retrieve information about.	Always Re-quired	Valid Value: <ul style="list-style-type: none"> • A browse node ID
<i>ResponseGroup</i>	Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like Amazon E-Commerce Service (ECS) to return to you. You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).	Always Optional	Default Values <ul style="list-style-type: none"> • <i>Request</i> • <i>BrowseNodeInfo</i> Valid Values <ul style="list-style-type: none"> • <i>Request</i> • <i>NewReleases</i> • <i>BrowseNodeInfo</i>

Help Operation

Description

The `Help` operation allows you to use Amazon E-Commerce Service (ECS) to retrieve information about operations and response groups. Use it to facilitate development and documentation of your website and tools.

The results returned by the `Help` operation are extracted from the SOAP WSDL. Several operations including `CartCreate`, `CartAdd` and `CartModify` have different parameters for SOAP and REST, so the documentation must also be consulted to determine correct syntax and usage.

Availability

`Help` is available in all of the locales.

Sample Request

Using Help (REST)

This example demonstrates how you can use the `Help` operation to request information about other ECS operations. This example uses `ItemLookup`, however, you can use the `Help` operation to request information about any ECS operation, include the `Help` operation.

```
ht-
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey
Id=[Your Access Key ID
Here]&Operation=Help&HelpType=Operation&About=ItemLookup
```

This example demonstrates how you can use the `Help` operation to request information about ECS response groups. This example uses the `Large` response group, however, you can use the `Help` operation to get information about any response group.

```
ht-
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey
Id=[Your Access Key ID
Here]&Operation=Help&HelpType=ResponseGroup&About=Large
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`Help` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `Help` operation:

Parameter	Description	Re-quired?	Value
<i>Operation</i>	The operation.	Always Re-quired	Help
<i>HelpType</i>	Use this parameter to specify the whether you would like information about an operation or a response group.	Always Re-quired	Valid Values: <ul style="list-style-type: none"> • Operation • ResponseGroup
<i>About</i>	Use the <i>About</i> parameter to tell the	Always	Operations:

Parameter	Description	Re- quired?	Value
	<p>Help operation what you would like help with. If you chose Operation as the <i>HelpType</i>, the <i>About</i> parameter must equal the name of a valid ECS operation. If you chose ResponseGroup as the <i>HelpType</i>, the About parameter must equal the name of a valid ECS response group.</p> <p>You can use batch requests to retrieve information about more than one operation or response group at a time.</p>	Required	<ul style="list-style-type: none"> • CartAdd • CartClear • CartCreate • CartGet • CartModify • CustomerContentLookup • CustomerContentSearch • Help • ItemLookup • ItemSearch • ListLookup • ListSearch • SellerListingLookup • SellerListingSearch • SellerLookup • SimilarityLookup • TransactionLookup <p>Response Groups:</p> <ul style="list-style-type: none"> • Accessories • BrowseNodes • Cart • CartSimilarities • CustomerFull • CustomerInfo • CustomerLists • CustomerReviews • EditorialReview • Help • Images • ItemAttributes • ItemIds • Large • ListFull • ListInfo • ListItems • ListMinimum • ListmaniaLists

Parameter	Description	Re-quired?	Value
			<ul style="list-style-type: none"> • Medium • OfferFull • OfferSummary • Offers • Request • Reviews • Salesrank • Seller • SellerListing • Similarities • Small • Tracks • TransactionDe-tails • VariationMinimum • VariationSummary • Variations
<i>ResponseGroup</i>	<p>Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like ECS to return to you.</p> <p>You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).</p>	Always Optional	<p>Default Values:</p> <ul style="list-style-type: none"> • <i>Request</i> • <i>Help</i> <p>Valid Values:</p> <ul style="list-style-type: none"> • <i>Request</i> • <i>Help</i>

Customer Content Operations

The customer content operations available in Amazon E-Commerce Service (ECS) allow you to search for and view customer-created content such as wish lists, Listmania lists, product reviews and any of the "About You" information a customer may have contributed to Amazon.

Finding Customer IDs on the Amazon Web Site

The `CustomerContentSearch` operation will return Customer IDs in its response, but if you are not using `CustomerContentSearch` in conjunction with `CustomerContentLookup`, you may need to go to an Amazon Web site to find a Customer ID (if it is available). The following URL shows you where to find the Customer ID from a member page.

Customer ID

In this URL, the customer ID is A2KEKKJ9CAC2KC.

```
ht-  
tp://www.amazon.com/exec/obidos/tg/cm/member-glance/-/A2KEKKJ9CAC2KC/
```

Operations

- [CustomerContentLookup](#)
- [CustomerContentSearch](#)

CustomerContentLookup Operation

Description

The `CustomerContentLookup` operation allows you to retrieve publicly available content written by specific Amazon customers. Available data are limited to information about content customers have created for any Amazon Web site, including product reviews, Listmania lists, wish lists, registries, and reviewer rank. Through this operation, you can also get any information customers have chosen to make public about themselves on the Amazon Web sites, including their nickname, their location, and their birthday. For reasons of confidentiality, `CustomerContentLookup` does not provide access to any customer account history or contact information (including email address, shipping address, billing address, or phone number).

Availability

`CustomerContentLookup` is available in the following locale: US (Amazon.com).

Sample Request

Using `CustomerContentLookup` (REST)

This example demonstrates how to lookup customer review data using a customer ID with `CustomerContentSearch`.

```
ht-  
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey  
Id=[Your Access Key ID Here]&Operation=CustomerContentLookup&CustomerId=[A  
Customer ID]
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`CustomerContentLookup` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)

- [Debugging Parameters](#)

The following parameters are specific to the `CustomerContentLookup` operation:

Parameter	Description	Re-quired?	Value
<i>Operation</i>	The operation.	Always Re-quired	<code>CustomerCon- tentLookup</code>
<i>CustomerId</i>	Use the <i>CustomerId</i> parameter to specify the customer you want information about. A <code>CustomerContentLookup</code> request may contain only one <i>CustomerId</i> . If you do not know the customer ID, you can use the <code>CustomerContentSearch</code> operation to get it.	Always Re-quired	Required Value: <ul style="list-style-type: none"> • A Customer ID
<i>ReviewPage</i>	The <i>ReviewPage</i> parameter allows you to page through a specified customer's reviews, ten at a time. The value of this parameter is the page number to be returned. The <i>ReviewPage</i> parameter will be ignored if the <i>CustomerReviews</i> response group is not designated in the request. If you do not include <i>ReviewPage</i> in your request, the first page (with the first ten reviews, or all of the reviews if there are fewer than 10 available) are returned by default.	Always Optional	Default Value: <ul style="list-style-type: none"> • 1 Valid Values: <ul style="list-style-type: none"> • Integers 1 to 10
<i>ResponseGroup</i>	Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like Amazon E-Commerce Service (ECS) to return to you. You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).	Always Optional	Default Values: <ul style="list-style-type: none"> • <i>Request</i> • <i>CustomerInfo</i> Valid Values: <ul style="list-style-type: none"> • <i>Request</i> • <i>CustomerInfo</i> • <i>CustomerReviews</i> • <i>CustomerLists</i> • <i>CustomerFull</i>

CustomerContentSearch Operation

Description

The `CustomerContentSearch` operation allows you to search for Amazon customers by name or

email address.

Note

Amazon E-Commerce Service (ECS) only returns information that the customer has made public on the Amazon.com Web site. ECS never returns email addresses or mailing addresses regardless of whether or not the customer has made them public.

Availability

`CustomerContentSearch` is available in the following locale: US (Amazon.com).

Sample Request

Using `CustomerContentSearch` (REST)

This example demonstrates how to use `CustomerContentSearch` to request information about content created by customers with a specific name.

```
ht-
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey
Id=[Your Access Key ID Here]&Operation=CustomerContentSearch&Name=Jeff+Bezos
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`CustomerContentSearch` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `CustomerContentSearch` operation:

Parameter	Description	Re-quired?	Value
<i>Operation</i>	The operation.	Always Re-quired	CustomerContent-Search
<i>Name</i>	The <i>Name</i> parameter allows you to search for a customer by name. Search for a customer by name if you do not know their email address.	Re-quired if <i>Email</i> is not specified. You cannot specify both the	Required Value: <ul style="list-style-type: none"> • A Name

Parameter	Description	Re-quired?	Value
		<i>Email</i> and the <i>Name</i> parameters in this operation.	
<i>Email</i>	The <i>Email</i> parameter allows you to search for a customer by email address. Search for a customer by email address if you do not have the customer's name.	Re-quired if <i>Name</i> is not specified. You cannot specify both the <i>Email</i> and the <i>Name</i> parameters in this operation.	Required Value: <ul style="list-style-type: none"> An Email Address
<i>CustomerPage</i>	The <i>CustomerPage</i> parameter allows you to page through the list of customers in the response, 20 at a time. This parameter specifies the number of the page that will be returned by the request. If you do not include <i>CustomerPage</i> in your request, the first page (containing the first 20 customers, or all customers if the search result returns less than 20 customers) is returned by default.	Always Optional	Default Value: <ul style="list-style-type: none"> 1 Valid Values: <ul style="list-style-type: none"> Integers 1 to 20
<i>ResponseGroup</i>	Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like ECS to return to you. You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).	Always Optional	Default Values: <ul style="list-style-type: none"> Request <i>CustomerInfo</i> Valid Values: <ul style="list-style-type: none"> <i>Request</i> <i>CustomerInfo</i>

Item Operations

The Amazon E-Commerce Service (ECS) item operations allow you to search for and retrieve information about products listed on Amazon Web sites. These operations also allow you to find information about restaurants listed on the Amazon Web site. Further, the `SimilarityLookup` item operation allows you to access Amazon's large collection of information about product similarities, which can be used to enhance product recommendations and relationships in your Web site or application.

Finding Product IDs on the Amazon Web Site

The following URL shows you where to find product IDs on the Amazon Web site. Product IDs are represented with an Amazon Standard Item Number (ASIN).

Product ID (ASIN)

In this URL, the ASIN is 0060006781.

```
http://www.amazon.com/exec/obidos/tg/detail/-/0060006781/
```

Operations

- [ItemLookup](#)
- [ItemSearch](#)
- [SimilarityLookup](#)

ItemLookup Operation

Description

The `ItemLookup` operation enables you to retrieve catalog information for up to ten products or restaurants (US only). It provides access to customer reviews, variations, product similarities, pricing, availability, images, product accessories, and other information.

Availability

`ItemLookup` is available in all of the locales.

Sample Request

Using `ItemLookup` (REST)

The following `ItemLookup` example demonstrates a request for item information for an ASIN.

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=ItemLookup
&ItemId=[An ASIN]
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

ItemLookup accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the ItemLookup operation:

Parameter	Description	Re-quired?	Value
<i>Operation</i>	The operation	Always Re-quired	ItemLookup
<i>ItemId</i>	Product(s) you would like information about. You may specify up to ten IDs using a comma-separated list (REST) or multiple elements (SOAP). By default the item IDs are assumed to be ASINs, unless you specify the <i>IdType</i> parameter.	Always Re-quired	<ul style="list-style-type: none"> • Product IDs
<i>IdType</i>	<p>Type of product ID you are requesting information about.</p> <p>SKU requires a <i>MerchantId</i>. US only.</p> <p>UPC is US only.</p> <p>EAN is the same as JAN (Japanese article number), so you may use this parameter to look up items by JAN or EAN. DE/JP/CA only.</p> <p>If you select SKU, UPC, or EAN as the <i>IdType</i> for your request, you also need to include the <i>SearchIndex</i> parameter.</p>	Re-quired for SKU, UPC or EAN search	<p>Default Value</p> <ul style="list-style-type: none"> • ASIN <p>Valid Values</p> <ul style="list-style-type: none"> • ASIN • SKU (US only) • UPC (US only) • EAN (DE/JP/CA only)
<i>SearchIndex</i>	<p>The Amazon store to search. Do not use this parameter with ASIN searches; an error will be returned.</p> <p><i>SearchIndex</i> is required any time you select SKU, UPC, or EAN as the <i>IdType</i> for your request. The list of available <i>SearchIndex</i> values, segmented by locale, can be found on the search index values page.</p> <p>If <i>IdType</i> is set to EAN, <i>SearchIndex</i> is restricted to a select group of values by locale (Amazon.de and</p>	Re-quired for UPC, SKU or EAN searches	<p>Valid Values:</p> <ul style="list-style-type: none"> • A Search Index (varies by locale) <p>Amazon.de EAN Valid Values:</p> <ul style="list-style-type: none"> • Electronics • Music • Classical

Parameter	Description	Re-quired?	Value
	Amazon.co.jp).		<ul style="list-style-type: none"> DVD VHS Video OutdoorLiving HealthPersonal-Care Kitchen Software SoftwareVideo-Games VideoGames Tools <p>Amazon.co.jp EAN Valid Values:</p> <ul style="list-style-type: none"> Electronics Music Classical DVD Kitchen Software VideoGames
<i>MerchantId</i>	<p>Filter the list of offerings returned by <code>ItemLookup</code> by the merchant offering the product. If not specified, Amazon is assumed to be the merchant for all requests.</p> <p>Setting <i>MerchantId</i> to "All" returns pricing information for Amazon and all other vendors.</p> <p>US only: You may also use the value "Featured," in which case Amazon E-Commerce Service (ECS) returns the same merchant that is displayed when you click the "Add to Shopping Cart" button on the product detail page.</p> <p>Make sure to use a Merchant ID and not a Seller ID for the value of <i>MerchantId</i>. Seller IDs are not supported.</p> <p>US only: <i>MerchantId</i> must be used with the response groups <i>Variations</i>, <i>VariationMinimum</i>, and/or <i>VariationSummary</i>.</p>	Required for SKU search; otherwise optional	<p>Default Value:</p> <ul style="list-style-type: none"> Amazon <p>Valid Values:</p> <ul style="list-style-type: none"> All Featured (US only) A Merchant ID (US only)

Parameter	Description	Re-quired?	Value
<i>Condition</i>	Filter the offers returned in the product list by condition type.	Always Optional	Default Value <ul style="list-style-type: none"> New Valid Values <ul style="list-style-type: none"> All New Used Refurbished Collectible
<i>DeliveryMethod</i>	US only. Filter offers returned in the product list by delivery method. Valid values are Ship and ISPU (In-store pickup). If you use ISPU, the <i>IS-PUPostalCode</i> parameter must be included to complete the request.	Always Optional	Default Value <ul style="list-style-type: none"> ship Valid Values <ul style="list-style-type: none"> ship ISPU (US only)
<i>ISPUPostalCode</i>	US only. If <i>DeliveryMethod</i> is set to ISPU, <i>ISPUPostalCode</i> must specify the postal code where in store pickup is requested.	Re-quired with <i>Deliv-ery-Method</i>	Valid Value: <ul style="list-style-type: none"> A Postal Code
<i>OfferPage</i>	ItemLookup returns up to 10 offer results at a time. If you do not include <i>OfferPage</i> in your request, the first page (the first 10 offers or all of the offers if there are less than 10 available) are returned by default. If included, this parameter specifies what page of results to include where 1 indicates the first ten results, 2 indicates the the eleventh through twentieth result, etc.	Always Optional	Default Value: <ul style="list-style-type: none"> 1 Valid Values: <ul style="list-style-type: none"> Integers 1 to 100
<i>ReviewPage</i>	ItemLookup returns up to 5 product reviews at a time. If you do not include <i>ReviewPage</i> in your request, the first page (the first five reviews, or all of the reviews if less than five are available) are returned by default. If included, this parameter specifies what page of results to include where 1 indicates the first five results, 2 indicates the the sixth through	Always Optional	Default Value: <ul style="list-style-type: none"> 1 Valid Values: <ul style="list-style-type: none"> Integers 1 to 20

Parameter	Description	Re-quired?	Value
	tenth result, etc.		
<i>VariationPage</i>	ItemLookup returns all of the variations for a product. You can optionally include the <i>VariationPage</i> in your request to return 10 variations at a time where 1 indicates the first ten results, 2 indicates the the eleventh through twentieth result, etc.	Always Optional	Default Value: <ul style="list-style-type: none"> • All Valid Values: <ul style="list-style-type: none"> • All • Integers 1 to 150
<i>ResponseGroup</i>	Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like ECS to return to you. You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).	Always Optional	Default Values <ul style="list-style-type: none"> • <i>Request</i> • <i>Small</i> Valid Values <ul style="list-style-type: none"> • <i>Request</i> • <i>ItemIds</i> • <i>Small</i> • <i>Medium</i> • <i>Large</i> • <i>OfferFull</i> • <i>Offers</i> • <i>OfferSummary</i> • <i>Variations</i> • <i>VariationMinimum</i> • <i>VariationSummary</i> • <i>ItemAttributes</i> • <i>Tracks</i> • <i>Accessories</i> • <i>EditorialReview</i> • <i>SalesRank</i> • <i>BrowseNodes</i> • <i>Images</i> • <i>Similarities</i> • <i>Reviews</i> • <i>ListmaniaLists</i> • <i>VariationImage</i> • <i>Subjects</i>

ItemSearch Operation

Description

The `ItemSearch` operation enables you to search for products for a given search index or combination (blend) of search indices. This operation automatically corrects misspelled search words and displays the corrected word used in the search. In a blended search, the operation corrects the misspelled word in each `SearchIndex`. For example, if “propine” is the search word, “provine” might be used as the search word in the DVD index, and “profane” might be used in the Music index. The following shows the tags used in the spelling correction:

```
<CorrectedQuery>
  <Keywords>matrix</Keywords>
  <Message>We found no matches for matrix. Below are results for mat-
rix.</Message>
</CorrectedQuery>
```

Not all of the request parameters are compatible with all of the valid search indexes. To verify that your request is valid, check the search index matrix before submitting your request. Checking to see if your `ItemSearch` parameter combination is valid by using the `Validate` parameter in your request will be insufficient. Check the [Search Index / Parameter Combinations](#) page.

Note

The list of all available search indexes by locale can be found on the [search indexes](#) page.

Blended Search

`ItemSearch` can search through a specified search index, or `SearchIndex` can be set to "blended." A blended search includes the following search indices:

- Books
- Music
- DVD
- Toys
- Video Games
- Software
- Software Video Games
- Electronics
- Tools
- Sporting Goods
- Art Supplies
- Kitchen
- Gourmet Food
- Apparel
- PC Hardware
- VHS

Availability

`ItemSearch` is available in all of the locales.

Sample Request

Using ItemSearch (REST)

The following `ItemSearch` example demonstrates a keyword search within a specified index. It also returns the search results in the order specified by the sort that is entered.

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=ItemSearch&Keywords=[A Keywords String]
&SearchIndex=[A Search Index String]
&Sort=[A Sort String]
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`ItemSearch` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `ItemSearch` operation:

Parameter	Description	Re-quired?	Value
<i>Operation</i>	The operation	Always Re-quired	<code>ItemSearch</code>
<i>Availability</i>	The <code>Availability</code> parameter enables <code>ItemSearch</code> to return only those items that are available. This parameter must be used in combination with <code>Merchant-Id</code> and <code>Condition</code> . For more information, see the discussion below this table.	Optional	Valid Values: Available
<i>SearchIndex</i>	The Amazon store you want products from. The list of available <code>SearchIndex</code> values, listed by locale, can be found on the search index values page.	Always Re-quired	Valid Values: <ul style="list-style-type: none"> • A Search Index (varies by locale)
<i>Keywords</i>	Use the <code>Keywords</code> parameter to refine your item search based on specific words or phrases. Amazon E-Commerce Service (ECS) will match the word or		Valid Value: <ul style="list-style-type: none"> • A Keywords String

Parameter	Description	Re-quired?	Value
	<p>phrase you include in your request against various product fields, including product title, author, artist, description, manufacturer, etc.</p> <p>When <i>SearchIndex</i> equals Music-Tracks, the <i>Keyword</i> parameter enables you to search by song title.</p>		
<i>Title</i>	Use the <i>Title</i> parameter when you want to query against product titles only. You may use all or part of a title in your query.		Valid Value: <ul style="list-style-type: none"> • A Title String
<i>Power</i>	<p>Use the <i>Power</i> parameter to perform book searches using a complex query string.</p> <p>For example the query "author:ambrose" returns a list of books that include "Ambrose" in the author name. A query of "subject:history and (spain or mexico) and not military and language:spanish" would return a list of books in the Spanish language on the subject of either Spanish or Mexican history, excluding all items with military in their subject.</p> <p>Query keys that may be used to build power queries include: asin, author, author-exact, author-begins, keywords, keywords-begin, language, publisher, subject, subject-words-begin, subject-begins, title, title-words-begin, and title-begins.</p> <p>The <i>Power</i> parameter can only be used with a book-related <i>SearchIndex</i>. In the US locale, the only valid <i>SearchIndex</i> value is "books." In other locales, the valid value for the index is of the form: books-locale-intl-us. For example, "books-de-intl-us," "books-fr-intl-us," "and "books-jp-intl-us."</p> <p>Please see this page on Amazon for more information about power search: http://www.amazon.com/exec/obidos/ats-query-page#powersearch.</p>		Valid Value: <ul style="list-style-type: none"> • A Power Query String
<i>BrowseNode</i>	Use the <i>BrowseNode</i> parameter to narrow your search to a specific category of products in the Amazon catalog. The <i>BrowseNode</i> parameter may contain the		Valid Value: <ul style="list-style-type: none"> • A Browse Node

Parameter	Description	Re-quired?	Value
	<p>ID of any Amazon browse node. For a list of Amazon browse nodes, please see Browse Node Values.</p> <p>Please note that not all Amazon browse nodes have products classified under them. If you use such a browse node in your request, it will yield a <code>no_exact_matches</code> error.</p>		
<i>Artist</i>	Use the <i>Artist</i> parameter refine your search by artist name. You may use all or part of an artist's name in your query.		<p>Valid Value:</p> <ul style="list-style-type: none"> An Artist Name String
<i>Author</i>	Use the <i>Author</i> parameter to refine your search by author name. You may use all or part of an author's name in your query.		<p>Valid Value:</p> <ul style="list-style-type: none"> An Author Name String
<i>Actor</i>	Use the <i>Actor</i> parameter to refine your search by actor name. You may use all or part of an actor's name in your query.		<p>Valid Value:</p> <ul style="list-style-type: none"> An Actor Name String
<i>Director</i>	Use the <i>Director</i> parameter to refine your search by Director name. You may use all or part of a director's name in your query.		<p>Valid Value:</p> <ul style="list-style-type: none"> A Director Name String
<i>AudienceRating</i>	<p>Use the <i>AudienceRating</i> parameter to filter movie product search results by the expected audience maturity level. Amazon.com values are based upon MPAA (Motion Picture Association of America) ratings. Amazon.de values are based upon age. You may specify one or more values in a comma-separated list in a REST request or using multiple elements in a SOAP request.</p>		<p>Valid Amazon.com Val-ues:</p> <ul style="list-style-type: none"> G PG PG-13 R NC-17 NR Unrated <p>Valid Amazon.de Values</p> <ul style="list-style-type: none"> 6 12 16

Parameter	Description	Re-quired?	Value
			Valid Amazon.fr Values <ul style="list-style-type: none"> • PG • 12 • 16 • 18 Valid Amazon.ca Values <ul style="list-style-type: none"> • G • PG • PG-13 • R • NC-17 • NR • Unrated • Family Viewing
<i>Manufacturer</i>	Use the <i>Manufacturer</i> parameter to refine your search by manufacturer name. You may use all or part of a manufacturer's name in your query.		Valid Value: <ul style="list-style-type: none"> • A Manufacturer Name String
<i>MusicLabel</i>	Use the <i>MusicLabel</i> parameter to refine your search by the record label name. You may use all or part of a record label's name in your query.		Valid Values: <ul style="list-style-type: none"> • A Record Label Name String
<i>Composer</i>	Use the <i>Composer</i> parameter to refine your search by composer name. You may use all or part of a composer's name in your query.		Valid Values: <ul style="list-style-type: none"> • A Composer Name String
<i>Publisher</i>	Use the <i>Publisher</i> parameter to refine your search by publisher name. You may use all or part of a publisher's name in your query.		Valid Value: <ul style="list-style-type: none"> • A Publisher Name String
<i>Brand</i>	Use the <i>Brand</i> parameter to refine your search by brand name. You may use all or part of a brand's name in your query.		Valid Value: <ul style="list-style-type: none"> • A Brand Name String

Parameter	Description	Re-quired?	Value
<i>Conductor</i>	Use the <i>Conductor</i> parameter to refine your search by conductor name. You may use all or part of a conductor's name in your query.		Valid Value: <ul style="list-style-type: none"> A Conductor Name String
<i>Orchestra</i>	Use the <i>Orchestra</i> parameter to refine your search by orchestra name. You may use all or part of an orchestra's name in your query.		Valid Value: <ul style="list-style-type: none"> An Orchestra Name String
<i>TextStream</i>	<p>In the US locale only, use the <i>TextStream</i> parameter to retrieve product search results based on a block of text you specify in your request. The text block could be a search term, a paragraph from a blog, an article excerpt, or any other text for which you wish to retrieve product matches.</p> <p>Amazon parses out recognized keywords and returns an equal number of products (ten total) for each recognized keyword. For example, if you send a request with five recognized keywords, Amazon will return two products matching each recognized keyword.</p> <p>The <i>ItemPage</i> parameter does not work when this parameter is being used—only one page can be returned.</p>		Valid Value: <ul style="list-style-type: none"> Any Block of Text
<i>ItemPage</i>	The <i>ItemPage</i> parameter enables you to create a paginated list of search results. This parameter returns the specified page. When you use <i>ItemPage</i> , <i>ItemSearch</i> will return 10 search results at a time. The maximum <i>ItemPage</i> number that can be returned is 400. If you do not include <i>ItemPage</i> in your request, the first page (containing the first 10 items, or all of the items if there are less than 10) will be returned by default.	Always Optional	Default Value: <ul style="list-style-type: none"> 1 Valid Values: <ul style="list-style-type: none"> Integers 1 to 400
<i>Sort</i>	Use the <i>Sort</i> parameter to specify how your item search results will be ordered. Please note that valid sort values vary by search index and locale. The full list of sort options are available in Sort Values.	Always Optional	Valid Values: <ul style="list-style-type: none"> Varies by SearchIndex and Locale
<i>City</i>	Use the <i>City</i> parameter to refine your		Valid Values:

Parameter	Description	Re-quired?	Value
	restaurant search by city name. You may use all or part of a city's name in your query. At the present time, ECS return restaurants for only select cities (see Valid Values). This parameter may be used only when <i>SearchIndex</i> equals Restaurant and is only applicable to US requests.		<ul style="list-style-type: none"> • Boston • Chicago • New York • San Francisco • Seattle • Washington, D.C.
<i>Cuisine</i>	Use the <i>Cuisine</i> parameter to refine your restaurant search by cuisine name (i.e., Chinese, Italian, American, etc.). You may use all or part of a cuisine's name in your query. This parameter may be used only when <i>SearchIndex</i> equals Restaurant and is only applicable to US requests.		Valid Value: <ul style="list-style-type: none"> • A Cuisine Name String
<i>Neighborhood</i>	Use the <i>Neighborhood</i> parameter to refine your restaurant search by neighborhood name (i.e., Capitol Hill, Arlington, North Beach, etc.). You may use all or part of a neighborhood's name in your query. This parameter may be used only when <i>SearchIndex</i> equals Restaurant and is only applicable to US requests.		Valid Value: <ul style="list-style-type: none"> • A Neighborhood Name String
<i>MinimumPrice</i>	Use the <i>MinimumPrice</i> parameter to set a lower price bound on products returned by <i>ItemSearch</i> . The <i>MinimumPrice</i> value must be specified in pennies (or equivalent in local currency).	Always Optional	Valid Value: <ul style="list-style-type: none"> • An Integer
<i>MaximumPrice</i>	Use the <i>MaximumPrice</i> parameter to set an upper price bound on products returned by <i>ItemSearch</i> . The <i>MaximumPrice</i> value must be specified in pennies (or equivalent in local currency).	Always Optional	Valid Value: <ul style="list-style-type: none"> • An Integer
<i>MerchantId</i>	<p>Filter the list of offerings returned by <i>ItemSearch</i> by the merchant offering the product. If not specified, Amazon is assumed to be the merchant for all requests.</p> <p>Setting <i>MerchantId</i> to "All" returns pricing information for Amazon and all other vendors.</p> <p>US only: You may also use the value "Featured," in which case ECS returns the same merchant that is displayed</p>	Optional	Valid Amazon.com Values: <ul style="list-style-type: none"> • All • Featured • A Merchant ID

Parameter	Description	Re-quired?	Value
	<p>when you click the "Add to Shopping Cart" button on the product detail page.</p> <p>US only: <i>MerchantId</i> must be used with the response groups <i>Variations</i>, <i>VariationMinimum</i>, and/or <i>VariationSummary</i>.</p>		
<i>Condition</i>	<p>Use the <i>Condition</i> parameter to filter the offers returned in the product list by condition type. By default, a request with the <i>Condition</i> parameter will return a maximum of 10 offers, with a maximum of 5 offer listings per offer.</p>	Always Optional	<p>Default Value</p> <ul style="list-style-type: none"> • New <p>Valid Values</p> <ul style="list-style-type: none"> • All • New • Used • Refurbished • Collectible
<i>DeliveryMethod</i>	<p>Use the <i>DeliveryMethod</i> parameter to filter offers returned in the product list by delivery method. Valid values are Ship and ISPU (In-store pickup). If you use ISPU, the offers returned will be ISPU offers from any postal code. To get ISPU offers from a specific postal code, you must use the <i>ItemLookup</i> operation.</p> <p>US only.</p>	Always Optional	<p>Default Value</p> <ul style="list-style-type: none"> • Ship <p>Valid Values</p> <ul style="list-style-type: none"> • Ship • ISPU
<i>ResponseGroup</i>	<p>Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like ECS to return to you.</p> <p>You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).</p>	Always Optional	<p>Default Values</p> <ul style="list-style-type: none"> • <i>Request</i> • <i>Small</i> <p>Valid Values</p> <ul style="list-style-type: none"> • <i>Request</i> • <i>ItemIds</i> • <i>Small</i> • <i>Medium</i> • <i>Large</i> • <i>OfferFull</i> • <i>Offers</i> • <i>OfferSummary</i>

Parameter	Description	Re-quired?	Value
			<ul style="list-style-type: none"> • <i>Variations</i> • <i>VariationMinimum</i> • <i>VariationSummary</i> • <i>ItemAttributes</i> • <i>Tracks</i> • <i>Accessories</i> • <i>EditorialReview</i> • <i>SalesRank</i> • <i>BrowseNodes</i> • <i>Images</i> • <i>Similarities</i> • <i>Reviews</i> • <i>ListmaniaLists</i> • <i>SearchBins</i> • <i>Subjects</i>

Availability Parameter

The *Availability* parameter filters out of *ItemSearch* results most of the items that are unavailable. The availability of an item sold by merchants and sellers can change rapidly. There is typically a discrepancy between an item’s availability as reported by *ItemSearch*, and the item’s true availability, as reported by Amazon’s web site. For this reason, the availability of items reported by *ItemSearch* and by Amazon’s web site will be slightly different.

Items that are “available” are classified on Amazon’s retail web site as:

- Currently for sale
- Pre-orders
- Special orders
- New releases
- Email me when items become available
- Items available for in-store pickup
- Items for sale by third parties

The availability of an item can change rapidly. There is typically a lag time between an item’s availability as reported by *ItemSearch*, and an item’s true availability, as reported by Amazon’s web site. For this reason, the availability of items reported by *ItemSearch* and by Amazon’s web site will be slightly different. These differences are most evident for items, such as software, whose availability changes often.

Parameter Restrictions

The following *ItemSearch* parameters must be included to return available items (only):

- *Availability*—Must be set to “Available.” When the *Availability* parameter is not set,

`ItemSearch` returns available and unavailable items. “Available” is the only valid value for *Availability*. Setting it to another value returns an error message. Parameter values are case sensitive.

- **Condition**—Must be set to “All”.
- **MerchantId**—Alphanumeric token that uniquely identifies a merchant. Valid values are “Amazon,” “All,” or a specific merchant ID.

When the *Availability* parameter is used and *MerchantId* is set to “Amazon,” the availability results for Amazon, Toys R Us, and Target are merged.

The following search indices do not work with the *Availability* parameter:

- Blended
- Restaurants

Availability Example

The following `ItemSearch` request returns shirts that are available:

```
http://webservices.amazon.com/onca/xml?  
Service=AWSECommerceService&  
AWSAccessKeyId=[Your Access Key ID Here]&  
Operation=ItemSearch&  
MerchantId=All&  
Condition=All&  
Availability=Available&  
SearchIndex=Apparel&  
Keywords=Shirt
```

ItemSearch Behavior Changed

When you use `ItemSearch` and the *Availability* parameter is not used, and *MerchantId* is set to the string, “Amazon,” `ItemSearch` returns items sold by Amazon and all merchants and sellers. This is a known problem. Setting the *Availability* parameter to “Available,” however, makes `ItemSearch` correctly return available items sold only by Amazon.

SimilarityLookup Operation

Description

The `SimilarityLookup` operation allows you to retrieve products that are similar to one or several specific Amazon products. `SimilarityLookup` may also be used to retrieve an intersection of similar products for up to ten specific Amazon products.

Availability

`SimilarityLookup` is available in all of the locales.

Sample Request

Using SimilarityLookup (REST)

The following example demonstrates a `SimilarityLookup` request for a specific ASIN.

```
http://webservices.amazon.com/onca/xml
?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=SimilarityLookup&ItemId=[An ASIN]
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

SimilarityLookup accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the SimilarityLookup operation:

Parameter	Description	Re-quired?	Value
<i>Operation</i>	The operation.	Always Re-quired	SimilarityLookup
<i>ItemId</i>	The product(s) that you want similarities for.	Always Re-quired	Valid Values: <ul style="list-style-type: none"> • Up to ten ASINs in a comma-separated list for REST requests or in multiple ItemId elements for SOAP requests.
<i>SimilarityType</i>	Use the <i>SimilarityType</i> parameter to filter the list of similar products returned by SimilarityLookup. Note that the <i>SimilarityType</i> parameter is ignored when when the SimilarityLookup request contains only one <i>ItemId</i> . Set the value of <i>SimilarityType</i> to Intersection if you want the list of similar products returned by <i>SimilarityLookup</i> to include only products that are similar to all of the items in the request. Set the value of <i>SimilarityType</i> to Random if you want the list of similar	Always Optional	Default Value: <ul style="list-style-type: none"> • Intersection Valid Values: <ul style="list-style-type: none"> • Intersection • Random

Parameter	Description	Re- quired?	Value
	products returned by <code>SimilarityLookup</code> to include an assortment of similar products corresponding to any of the items in the request.		
<i>MerchantId</i>	<p>Filter the list of offerings returned by <code>SimilarityLookup</code> by the merchant offering the product. If not specified, Amazon is assumed to be the merchant for all requests.</p> <p>Setting <i>MerchantId</i> to "All" returns pricing information for Amazon and all other vendors.</p> <p>US only: You may also use the value "Featured," in which case Amazon E-Commerce Service (ECS) returns the same merchant that is displayed when you click the "Add to Shopping Cart" button on the product detail page.</p> <p>Make sure to use a Merchant ID and not a Seller ID for the value of <code>MerchantId</code>. Seller IDs are not supported.</p> <p>US only: <i>MerchantId</i> must be used with the response groups <code>Variations</code>, <code>VariationMinimum</code>, and/or <code>VariationSummary</code>.</p>		<p>Valid Values:</p> <ul style="list-style-type: none"> • Amazon (the Default value) • All • Featured • A Merchant ID
<i>Condition</i>	Use the <i>Condition</i> parameter to filter the offers returned in the product list by condition type.	Always Optional	<p>Default Value</p> <ul style="list-style-type: none"> • New <p>Valid Values</p> <ul style="list-style-type: none"> • All • New • Used • Refurbished • Collectible
<i>DeliveryMethod</i>	Use the <i>DeliveryMethod</i> parameter to filter offers returned in the product list by delivery method. Valid values are <code>Ship</code> and <code>ISPU</code> (In-store pickup). If you use <code>ISPU</code> , the offers returned will be <code>ISPU</code> offers from any postal code. To get <code>ISPU</code> offers from a specific postal code, you must use the <code>ItemLookup</code> opera-	Always Optional	<p>Default Value</p> <ul style="list-style-type: none"> • ship <p>Valid Values</p> <ul style="list-style-type: none"> • ship

Parameter	Description	Re-quired?	Value
	tion. US only.		<ul style="list-style-type: none"> • ISPU
<i>ResponseGroup</i>	<p>Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like ECS to return to you.</p> <p>You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).</p>	Optional	<p>Default Values</p> <ul style="list-style-type: none"> • <i>Request</i> • <i>Small</i> <p>Valid Values</p> <ul style="list-style-type: none"> • <i>Request</i> • <i>ItemIds</i> • <i>Small</i> • <i>Medium</i> • <i>Large</i> • <i>Offers</i> • <i>OfferSummary</i> • <i>Variations</i> • <i>VariationMinimum</i> • <i>VariationSummary</i> • <i>ItemAttributes</i> • <i>Tracks</i> • <i>Accessories</i> • <i>EditorialReview</i> • <i>SalesRank</i> • <i>BrowseNodes</i> • <i>Images</i> • <i>Similarities</i> • <i>Reviews</i> • <i>ListmaniaLists</i>

List Operations

The Amazon E-Commerce Service (ECS) list operations allow you to search for and retrieve products and information from Wish Lists, Listmania Lists, Baby Registries, and Wedding Registries created on Amazon web sites.

- [ListLookup](#)
- [ListSearch](#)

ListLookup Operation

Description

The `ListLookup` operation allows you to retrieve all the products in a specific list. In addition to returning products, `ListLookup` allows you to retrieve general information about the list, such as the total number of products on the list and the list's creation date.

Availability

`ListLookup` is available all of the locales.

Sample Request

Using `ListLookup` (REST)

The following example demonstrates how `ListLookup` can be used to request the full list information for a wish list.

```
ht-
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey
Id=[Your Access Key ID Here]&Operation=ListLookup&ListType=WishList&ListId=[A
Wishlist ID]
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`ListLookup` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `ListLookup` operation:

Parameter	Description	Re-quired?	Value
<code>Operation</code>	The operation.	Always Re-quired	<code>ListLookup</code>
<code>ListType</code>	Use the <code>ListType</code> parameter to specify the type of list you want to retrieve. Valid values are <code>Listmania</code> and <code>WishList</code> .	Always Re-quired	Valid Values <ul style="list-style-type: none"> • <code>Listmania</code> • <code>WishList</code> • <code>WeddingRegistry</code>
<code>ListId</code>	Use the <code>ListId</code> parameter to identify	Always	Required Value:

Parameter	Description	Re-quired?	Value
	the list you would like to retrieve. Every list has a unique list ID. You may only look up one list at a time.	Re-quired	<ul style="list-style-type: none"> A list ID
<i>ProductPage</i>	The <i>ProductPage</i> parameter allows you to paginate the list of products returned by <i>ListLookup</i> . When you use <i>ProductPage</i> , <i>ListLookup</i> will return 10 items at a time. The maximum <i>ProductPage</i> number that can be returned is 30. If you do not include <i>ProductPage</i> in your request, the first 10 items are returned by default.	Always Optional	Default Value: <ul style="list-style-type: none"> 1 Valid Values: <ul style="list-style-type: none"> Integers 1 to 30
<i>ProductGroup</i>	US only. The <i>ProductGroup</i> parameter allows you to filter the list of products returned by <i>ListLookup</i> by product line. <p>Note Be sure to properly encode the <i>ProductGroup</i> parameter. For example, "Lawn & Patio" in REST requests is "Lawn%20%26%20Patio".</p>	Always optional, works with wish lists only	Popular Values <ul style="list-style-type: none"> Apparel Baby Product Beauty Book CE DVD Gourmet Health and Beauty Home Improvement Kitchen Lawn & Patio Magazine Music Personal Computer Photography Software Sports Toy Video Video Games Watch
<i>Sort</i>	Use the <i>Sort</i> parameter to specify how the list products you retrieve will be ordered. The <i>Sort</i> parameter can only be used with wish lists. You may sort wish lists by <i>DateAdded</i> , <i>LastUpdated</i> , and <i>Price</i> .	Always Optional	Valid Values: <ul style="list-style-type: none"> DateAdded LastUpdated Price
<i>MerchantId</i>	Filter the list of offerings returned by		Valid Values:

Parameter	Description	Re-quired?	Value
	<p>ListLookup by the merchant offering the product. If not specified, Amazon is assumed to be the merchant for all products.</p> <p>Setting <i>MerchantId</i> to "All" returns pricing information for Amazon and all other vendors.</p> <p>US only: You may also use the value "Featured," in which case Amazon E-Commerce Service (ECS) returns the same merchant that is displayed when you click the "Add to Shopping Cart" button on the product detail page.</p> <p>US only: <i>MerchantId</i> must be used with the response groups <i>Variations</i>, <i>VariationMinimum</i>, and/or <i>VariationSummary</i>.</p>		<ul style="list-style-type: none"> • Amazon (the default value) • All • Featured • A Merchant ID
<i>Condition</i>	Use the <i>Condition</i> parameter to filter the offers returned in the product list by condition type.	Always Optional	Default Value <ul style="list-style-type: none"> • New Valid Values <ul style="list-style-type: none"> • All • New • Used • Refurbished • Collectible
<i>DeliveryMethod</i>	Use the <i>DeliveryMethod</i> parameter to filter offers returned in the product list by delivery method. Valid values are Ship and ISPU (In-store pickup). If you use ISPU, the offers returned will be ISPU offers from any postal code. To get ISPU offers from a specific postal code, you must use the <i>ItemLookup</i> operation. <p>US only.</p>	Always Optional	Default Value <ul style="list-style-type: none"> • Ship Valid Values <ul style="list-style-type: none"> • Ship • ISPU
<i>ResponseGroup</i>	Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like ECS to return to you. <p>You can specify as many response</p>	Always Optional	Default Values: <ul style="list-style-type: none"> • <i>Request</i> • <i>ListInfo</i>

Parameter	Description	Re- quired?	Value
	groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).		Valid Values: <ul style="list-style-type: none"> • <i>Request</i> • <i>ListFull</i> • <i>ListInfo</i> • <i>ListItems</i> • <i>ItemIds</i> • <i>Small</i> • <i>Medium</i> • <i>Large</i> • <i>Offers</i> • <i>OfferSummary</i> • <i>Variations</i> • <i>VariationMinimum</i> • <i>VariationSummary</i> • <i>ItemAttributes</i> • <i>Tracks</i> • <i>Accessories</i> • <i>EditorialReview</i> • <i>SalesRank</i> • <i>BrowseNodes</i> • <i>Images</i> • <i>Similarities</i> • <i>Reviews</i> • <i>ListmaniaLists</i>

ListSearch Operation

Description

The `ListSearch` operation allows you to search for a wish list, baby registry, or wedding registry.

Note

Your request must contain one of the following parameters when you are searching for wish lists or wedding registries: *Name*, *FirstName*, *LastName*, and/or *Email*. If you include *Name*, it is not necessary to include *FirstName* and *LastName* and vice versa.

Note

Your request must contain one of the following parameters when you are searching for baby registries: *FirstName* and/or *LastName*. The *Name* and *Email* parameters will be ignored when you are searching for BabyRegistry.

Availability

ListSearch is available in all of the locales.

Sample Request

Using ListSearch (REST)

This example demonstrates how ListSearch can be used to find wish lists by customer name.

```
ht-
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey
Id=[Your Access Key ID
Here]&Operation=ListSearch&ListType=WishList&Name=Jeff%20Bezos
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

ListSearch accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the ListSearch operation:

Parameter	Description	Re- quired?	Value
<i>Operation</i>	The operation.	Always Re- quired	ListSearch
<i>ListType</i>	The <i>ListType</i> parameter allows you to specify the type of list you are searching for. You may only search for one type of list at a time.	Always Re- quired	Valid Values <ul style="list-style-type: none"> • WishList • WeddingRegistry • BabyRegistry
<i>Name</i>	Use the <i>Name</i> parameter when you want to search for lists by using the full customer name.		Valid Value: <ul style="list-style-type: none"> • A Customer Name
<i>FirstName</i>	Use the <i>FirstName</i> parameter when you want to search for lists by using a customer's first name.		Valid Value: <ul style="list-style-type: none"> • A First Name

Parameter	Description	Re-quired?	Value
<i>LastName</i>	Use the <i>LastName</i> parameter when you want to search for lists by using a customer's last name.		Valid Value: <ul style="list-style-type: none"> A Last Name
<i>Email</i>	Use the <i>Email</i> parameter when you want to search for lists by using a customer's email address.		Valid Value: <ul style="list-style-type: none"> An email address
<i>City</i>	The <i>City</i> parameter allows you to search for lists created by customers living in the city you specify.		Valid Value: <ul style="list-style-type: none"> A City Name
<i>State</i>	The <i>State</i> parameter allows you to search for lists created by customers living in the state you specify.		Valid Value: <ul style="list-style-type: none"> A State Name
<i>ListPage</i>	The <i>ListPage</i> parameter allows you to specify which page of results will be returned by the request. The <i>ListPage</i> parameter allows you page through lists in the response, 10 at a time. If you do not include <i>ListPage</i> in your request, the first page of results will be returned, containing all items if there are less than ten or the first ten items if there are more than ten.	Always Optional	Default Value: <ul style="list-style-type: none"> 1 Valid Value: <ul style="list-style-type: none"> Integers 1 to 20
<i>ResponseGroup</i>	Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like Amazon E-Commerce Service (ECS) to return to you. You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).	Always Optional	Default Values: <ul style="list-style-type: none"> <i>Request</i> <i>ListInfo</i> Valid Values: <ul style="list-style-type: none"> <i>Request</i> <i>ListInfo</i> <i>ListMinimum</i>

Remote Shopping Cart Operations

The Amazon E-Commerce Service (ECS) remote shopping cart operations allow you to create, modify, view, and clear Amazon shopping carts.

Operations

- [CartAdd](#)
- [CartClear](#)
- [CartCreate](#)
- [CartGet](#)
- [CartModify](#)

CartAdd Operation

Description

The `CartAdd` operation allows you to add items to an existing remote shopping cart.

Note

`CartAdd` can only be used to place a new product in a shopping cart. It cannot be used to increase the quantity of an item already in the cart. If you would like to increase the quantity of an item that is already in the cart, you will need to use the `CartModify` operation.

Note

The cart remains accessible for 90 days after it is last accessed.

Availability

`CartAdd` is available in all of the locales.

Sample Request

Using `CartAdd` (REST)

This example demonstrates how `CartAdd` can be used to add an ASIN to a remote shopping cart.

```
ht-  
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey  
Id=[Your Access Key ID Here]&Operation=CartAdd&CartId=[A Cart  
ID]&HMAC=[An HMAC Shopping Cart  
Token]&Item.1.ASIN=[An  
ASIN]&Item.1.Quantity=1
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`CartAdd` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)

- [Debugging Parameters](#)

The following parameters are specific to the `CartAdd` operation:

Parameter	Description	Re-quired?	Value
<i>Operation</i>	The operation.	Always Re-quired	CartAdd
<i>CartId</i>	The <code>CartId</code> is a unique identifier for an Amazon remote shopping cart. <code>CartIds</code> are initially obtained by using the <code>Cart-Create</code> operation.	Always Re-quired	Required Value: <ul style="list-style-type: none"> • A Cart ID
<i>HMAC</i>	The HMAC is a unique security token that, when used with the <code>CartId</code> , allows you to access and modify (add to, remove from, empty) a specific remote shopping cart that you have created from your application or Web site. HMACs are initially obtained by using the <code>Cart-Create</code> operation. Any plus signs ("+") embedded in the <code>HMAC</code> must be encoded as %2B for REST.	Always Re-quired	Required Value: <ul style="list-style-type: none"> • An HMAC Security Token
<i>Items</i>	The <code>Items</code> parameter must be used in all SOAP requests. It cannot be used with any other protocol. The <code>Items</code> parameter serves as a container element for the list of products that will be added to a shopping cart. An <code>Items</code> element would contain 1 or more <code>Item</code> elements in a SOAP request.	Re-quired for SOAP	
<i>Item</i>	In SOAP Requests: The <code>Item</code> parameter serves as a container element that is a child of the <code>Items</code> element. As a container element, an <code>Item</code> holds product ID elements (like ASIN) and Quantity elements. In REST Requests: The <code>Item</code> parameter in a REST request serves as a means of prefixing one or more products (<code>Item.1.ASIN</code>) and the quantities of those products (<code>Item.1.Quantity</code>).	Always Re-quired	
<i>ASIN</i>	The ASIN parameter is a child element of the <code>Item</code> parameter in both SOAP and		Valid Value:

Parameter	Description	Re- quired?	Value
	<p>REST requests.</p> <p>The <i>ASIN</i> parameter is required in an <i>Item</i> element if you are not using <i>OfferListingId</i> to identify an item.</p>		<ul style="list-style-type: none"> An ASIN
<i>OfferListingId</i>	<p>The <i>OfferListingId</i> uniquely identifies a particular product being sold by a particular seller or merchant. The <i>OfferListingId</i> is required when the item being placed in the shopping cart is not being sold by Amazon. When Amazon is selling the product, you must use the <i>ASIN</i> parameter. The <i>OfferListingID</i> parameter is required in an <i>Item</i> element if you are not using an <i>ASIN</i> to identify an item.</p>		<p>Valid Values:</p> <ul style="list-style-type: none"> An Offering Listing ID
<i>Quantity</i>	<p>The <i>Quantity</i> parameter is paired with any of the product ID parameters and specifies the number to be added to the cart. It must be used as a child of an <i>Item</i> element in a request.</p>	Always Re- quired	<p>Valid Values:</p> <ul style="list-style-type: none"> An Integer between 0 and 999
<i>ListItemId</i>	<p>The <i>ListItemId</i> parameter is returned by the ListItems Response Group. The parameter identifies an item on a list, such as a wishlist. To add this item to a cart, you must include in the CartCreate request the item's ASIN and ListItemId. The ListItemId attaches name and address of the list owner, which the ASIN alone does not.</p>	Optional	<p>Valid Values:</p> <ul style="list-style-type: none"> An alphanumeric identity returned by the ListItem Response Group.
<i>MergeCart</i>	<p><i>MergeCart</i> is a boolean value that determines, in the US locale only, whether items in the remote shopping cart are added to the customer's local. Amazon shopping cart (<i>MergeCart=True</i>) or not (<i>MergeCart=False</i>). If <i>MergeCart</i> is True, when the customer clicks the Purchase button, they are sent to the page that shows the contents of their shopping cart, which includes all items in their local shopping cart. When <i>MergeCart</i> is False, when the customer clicks the Purchase button, they are sent to the order pipeline and the purchase pages. For all non-US locales, this value is always True.</p>	Optional in the US locale. The default is True. This parameter is not available in non-US locales.	
<i>ResponseGroup</i>	<p>Controls the data returned by the opera-</p>	Always	<p>Default Values:</p>

Parameter	Description	Re-quired?	Value
	<p>tion. Use this parameter to specify which response group(s), or group(s) of data elements, you would like Amazon E-Commerce Service (ECS) to return to you.</p> <p>You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).</p>	Optional	<ul style="list-style-type: none"> • <i>Request</i> • <i>Cart</i> <p>Valid Values:</p> <ul style="list-style-type: none"> • <i>Request</i> • <i>Cart</i> • <i>CartSimilarities</i> • <i>CartTopSellers</i> • <i>CartNewReleases</i>

CartClear Operation

Description

The `CartClear` operation allows you to remove all the contents of a remote shopping cart.

Note

Using `CartClear` on a shopping cart does not invalidate its `CartId` or `HMAC`. It simply removes all of its contents.

Note

The cart lifespan is currently 90 days from the last date it was accessed.

Availability

`CartClear` is available in all of the locales.

Sample Request

Using `CartClear` (REST)

This example demonstrates how to use `CartClear` to remove all the items from a shopping cart.

```
ht-
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey
Id=[Your Access Key ID Here]&Operation=CartClear&CartId=[A Cart
ID]&HMAC=[An HMAC Shopping Cart
Token]
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`CartClear` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `CartClear` operation:

Parameter	Description	Re-quired?	Value
<i>Operation</i>	The operation.	Always Re-quired	<code>CartClear</code>
<i>CartId</i>	The <i>CartId</i> is a unique identifier for an Amazon remote shopping cart. <i>CartIds</i> are initially obtained by using the <code>Cart-Create</code> operation.	Always Re-quired	Required Value: <ul style="list-style-type: none"> • A Cart ID
<i>HMAC</i>	The HMAC is a unique security token that, when used with the <i>CartId</i> , allows you to access and modify (add to, remove from, empty) a specific remote shopping cart that you have created from your application or Web site. HMACs are initially obtained by using the <code>Cart-Create</code> operation. Any plus signs ("+") embedded in the <i>HMAC</i> must be encoded as %2B for REST.	Always Re-quired	Required Value: <ul style="list-style-type: none"> • An HMAC Security Token
<i>ResponseGroup</i>	Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like Amazon E-Commerce Service (ECS) to return to you. You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).	Always Optional	Default Values: <ul style="list-style-type: none"> • <i>Request</i> • <i>Cart</i> Valid Values: <ul style="list-style-type: none"> • <i>Request</i> • <i>Cart</i>

CartCreate Operation

Description

The `CartCreate` operation allows you to create a new remote shopping cart. `CartCreate` returns two unique identifiers for each cart, the `CartId` and `HMAC`. These two identifiers can then be used to access and manipulate the shopping cart with the `CartAdd`, `CartClear`, `CartGet`, and `CartModify` operations.

Note

A `CartCreate` request must specify at least one product to add to the new cart. `CartCreate` cannot create empty shopping carts.

Only one type of product ID parameter (`ASIN` or `OfferListingId`) can be in a request.

`CartCreate` also returns a `purchaseURL`. This URL is what the customer must use for the Associated to get credit for the sale. The `purchaseURL` includes the value for `mergeCart`. This value is always true for non-US locales, which means that the contents of the remote cart are always added to the contents of the customer's cart on Amazon when the customer decides to purchase the remote cart items. .

The cart lifespan is currently 90 days from the last date it was accessed.

Availability

`CartCreate` is available in all of the locales.

Sample Request

Using `CartCreate` (REST)

This example demonstrates how to use `CartCreate` to instantiate a remote shopping cart using three `ASIN`s.

```
ht-  
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey  
Id=[Your Access Key ID Here]&Operation=CartCreate&Item.1.ASIN=[An  
ASIN]&Item.1.Quantity=1&Item.2.ASIN=[An  
ASIN]&Item.2.Quantity=1&Item.3.ASIN=[An  
ASIN]&Item.3.Quantity=1
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`CartCreate` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `CartCreate` operation:

Parameter	Description	Re- quired?	Value
<i>Operation</i>	The operation.	Always Re- quired	CartCreate
<i>Items</i>	<p>The <i>Items</i> parameter must be used in all SOAP requests. It cannot be used with any other protocol.</p> <p>The <i>Items</i> parameter serves as a container element for the list of products that will be added to a shopping cart. An <i>Items</i> element would contain 1 or more <i>Item</i> elements.</p>	Re- quired for SOAP	
<i>Item</i>	<p>In SOAP Requests:</p> <p>The <i>Item</i> parameter serves as a container element that is a child of the <i>Items</i> element. As a container element, an <i>Item</i> holds product ID elements (like ASIN) and Quantity elements.</p> <p>In REST Requests:</p> <p>The <i>Item</i> parameter in a REST request serves as a means of prefixing one or more products (Item.1.ASIN) and the quantities of those products (Item.1.Quantity).</p>	Always Re- quired	
<i>Quantity</i>	The Quantity parameter is paired with any of the product ID parameters and specifies the number to be added to the cart. It must be used as a child of an <i>Item</i> element in a request.	Always Re- quired	Valid Values: <ul style="list-style-type: none"> An Integer between 0 and 999
<i>ASIN</i>	<p>The ASIN parameter is a child element of the <i>Item</i> parameter in both SOAP and REST requests.</p> <p>The ASIN parameter is required in an <i>Item</i> element if you are not using <i>OfferListingId</i> to identify an item. ASINs are used to specify products sold by Amazon.</p>		Valid Value: <ul style="list-style-type: none"> An ASIN
<i>OfferListingId</i>	The <i>OfferListingId</i> uniquely identifies a particular product being sold by a particular seller or merchant. The <i>OfferListingId</i> is required when the item being placed in the shopping cart is not being sold by Amazon. The <i>OfferListingID</i> parameter is required in an <i>Item</i> element if you are not using an ASIN to identify		Valid Values: <ul style="list-style-type: none"> An Offering Listing ID

Parameter	Description	Re-quired?	Value
	an item.		
<i>MergeCart</i>	<i>MergeCart</i> is a boolean value that determines, in the US locale only, whether items in the remote shopping cart are added to the customer's local, Amazon shopping cart (<i>MergeCart</i> =True) or not (<i>MergeCart</i> =False). If <i>MergeCart</i> is True, when the customer clicks the Purchase button, they are sent to the page that shows the contents of their shopping cart, which includes all items in their local shopping cart. When <i>MergeCart</i> is False, when the customer clicks the Purchase button, they are sent to the order pipeline and the purchase pages. For all non-US locales, this value is always True.	Optional in the US locale. The default is True. This parameter is not available in non-US locales.	
<i>ListItemId</i>	The <i>ListItemId</i> parameter is returned by the ListItems Response Group. The parameter identifies an item on a list, such as a wishlist. To add this item to a cart, you must include in the CartCreate request the item's ASIN and <i>ListItemId</i> . The <i>ListItemId</i> attaches name and address of the list owner, which the ASIN alone does not. This parameter only works in the US locale.	Optional	Valid Values: An alphanumeric identity returned by the ListItem Response Group.
<i>ResponseGroup</i>	Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like Amazon E-Commerce Service (ECS) to return to you. You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).	Always Optional	Default Values: <ul style="list-style-type: none"> • <i>Request</i> • <i>Cart</i> Valid Values: <ul style="list-style-type: none"> • <i>Request</i> • <i>Cart</i> • <i>CartSimilarities</i> • <i>CartTopSellers</i> • <i>CartNewReleases</i>

CartGet Operation

Description

The `CartGet` operation allows you to retrieve the contents of a remote shopping cart.

Note

The cart lifespan is currently 90 days from its last access date.

Availability

`CartGet` is available in all of the locales.

Sample Request

Using `CartGet` (REST)

This example demonstrates how to use `CartGet` to access a shopping cart.

```
ht-
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey
Id=[Your Access Key ID Here]&Operation=CartGet&CartId=[A Cart
ID]&HMAC=[An HMAC Shopping Cart
Token]
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`CartGet` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `CartGet` operation:

Parameter	Description	Re- quired?	Value
<i>Operation</i>	The operation.	Always Re- quired	<code>CartGet</code>
<i>CartId</i>	The <i>CartId</i> is a unique identifier for an Amazon remote shopping cart. <i>CartIds</i> are initially obtained by using the <code>Cart-Create</code> operation.	Always Re- quired	Required Value: <ul style="list-style-type: none"> • A Cart ID
<i>HMAC</i>	The HMAC is a unique security token that, when used with the <i>CartId</i> , allows you to access and modify (add to, remove from, empty) a specific remote	Always Re- quired	Required Value: <ul style="list-style-type: none"> • An HMAC Security

Parameter	Description	Re-quired?	Value
	<p>shopping cart that you have created from your application or Web site. HMACs are initially obtained by using the <code>Cart-Create</code> operation.</p> <p>Any plus signs ("+") embedded in the <i>HMAC</i> must be encoded as %2B for REST.</p>		Token
<i>MergeCart</i>	<p><i>MergeCart</i> is a boolean value that determines, in the US locale only, whether items in the remote shopping cart are added to the customer's local, Amazon shopping cart (<i>MergeCart</i>=True) or not (<i>MergeCart</i>=False). If <i>MergeCart</i> is True, when the customer clicks the Purchase button, they are sent to the page that shows the contents of their shopping cart, which includes all items in their local shopping cart. When <i>MergeCart</i> is False, when the customer clicks the Purchase button, they are sent to the order pipeline and the purchase pages. For all non-US locales, this value is always True.</p>	Optional in the US locale. The default is True. This parameter is not available in non-US locales.	
<i>ResponseGroup</i>	<p>Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like Amazon E-Commerce Service (ECS) to return to you.</p> <p>You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).</p>	Optional	<p>Default Values:</p> <ul style="list-style-type: none"> • <i>Request</i> • <i>Cart</i> <p>Valid Values:</p> <ul style="list-style-type: none"> • <i>Request</i> • <i>Cart</i> • <i>CartSimilarities</i> • <i>CartTopSellers</i> • <i>CartNewReleases</i>

CartModify Operation

Description

The `CartModify` operation allows you to modify the quantity of items in a remote shopping cart, as well as move items from the active area of a cart to the save for later area.

Note

The cart lifespan is currently 90 days from its last access date.

To remove an item from a shopping cart using `CartModify`, you must set its *Quantity* to 0.

Availability

`CartModify` is available in all of the locales.

Sample Request

Using `CartModify` (REST)

This example demonstrates how to use `CartModify` to increase the quantity of an item (Item.1), remove an item (Item.2), and save an item for later (Item.3) all in the same request.

```
ht-
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey
Id=[Your Access Key ID Here]&AssociateTag=[Your
Associate ID
Here]&Operation=CartModify&CartId=[A Cart
ID]&HMAC=[An HMAC Shopping Cart
Token]&Item.1.CartItemId=[A
CartItemId]&Item.1.Quantity=5&Item.2.CartItemId=[A
CartItemId]&Item.2.Quantity=0&Item.3.CartItemId=[A
CartItemId]&Item.3.Action=SaveForLater
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`CartModify` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `CartModify` operation:

Parameter	Description	Re-quired?	Value
<i>Operation</i>	The operation.	Always Re-quired	<code>CartModify</code>
<i>CartId</i>	The <i>CartId</i> is a unique identifier for an Amazon remote shopping cart. <i>CartIds</i> are initially obtained by using the <code>Cart-Create</code> operation.	Always Re-quired	Required Value: <ul style="list-style-type: none"> • A Cart ID
<i>HMAC</i>	The HMAC is a unique security token that, when used with the <i>CartId</i> , allows	Always Re-	Required Value:

Parameter	Description	Re-quired?	Value
	<p>you to access and modify (add to, remove from, empty) a specific remote shopping cart that you have created from your application or Web site. HMACs are initially obtained by using the <code>CartCreate</code> operation.</p> <p>Any plus signs ("+") embedded in the <i>HMAC</i> must be encoded as %2B for REST.</p>	quired	<ul style="list-style-type: none"> An HMAC Security Token
<i>Items</i>	<p>The <i>Items</i> parameter must be used in all SOAP requests. It cannot be used with any other protocol.</p> <p>The <i>Items</i> parameter serves as a container element for the list of products that will be added to a shopping cart. An <i>Items</i> element would contain 1 or more <i>Item</i> elements in a SOAP request.</p>	Re-quired for SOAP	
<i>Item</i>	<p>In SOAP Requests:</p> <p>The <i>Item</i> parameter serves as a container element that is a child of the <i>Items</i> element. As a container element, an <i>Item</i> holds product ID elements (like ASIN) and Quantity elements.</p> <p>In REST Requests:</p> <p>The <i>Item</i> parameter in a REST request serves as a means of prefixing one or more products (<i>Item.1.ASIN</i>) and the quantities of those products (<i>Item.1.Quantity</i>).</p>	Always Re-quired	
<i>CartItemId</i>	<p>The <i>CartItemId</i> parameter is a child element of the <i>Item</i> parameter in both SOAP and REST requests. It is used to uniquely identify each item in a shopping cart. Note that <i>CartItemId</i> is NOT an ASIN or other standard identifier; it is returned by <code>CartCreate</code> and <code>CartAdd</code> only.</p>	Always Re-quired	<p>Required Value:</p> <ul style="list-style-type: none"> The shopping cart-assigned CartItemId
<i>Quantity</i>	<p>Use the <i>Quantity</i> parameter to change the amount of an item you have in the shopping cart. <i>Quantity</i> must be paired with a <i>CartItemId</i> parameter. It must be used as a child of an <i>Item</i> element in a request.</p> <p>Note: Quantity must be set to 0 to re-</p>		<p>Valid Values:</p> <ul style="list-style-type: none"> An Integer between 0 and 999

Parameter	Description	Re-quired?	Value
	move an item from a shopping cart.		
<i>Action</i>	The <i>Action</i> parameter is a child element of the <i>Item</i> parameter in both SOAP and REST requests. Use the <i>Action</i> parameter to change cart items to saved items (SaveForLater) or change saved items to cart items (MoveToCart).		Valid Values: <ul style="list-style-type: none"> • MoveToCart • SaveForLater
<i>MergeCart</i>	<i>MergeCart</i> is a boolean value that determines, in the US locale only, whether items in the remote shopping cart are added to the customer's local, Amazon shopping cart (<i>MergeCart</i> =True) or not (<i>MergeCart</i> =False). If <i>MergeCart</i> is True, when the customer clicks the Purchase button, they are sent to the page that shows the contents of their shopping cart, which includes all items in their local shopping cart. When <i>MergeCart</i> is False, when the customer clicks the Purchase button, they are sent to the order pipeline and the purchase pages. For all non-US locales, this value is always True.	Optional in the US locale. The default is True. This parameter is not available in non-US locales.	
<i>ListItemId</i>	The <i>ListItemId</i> parameter is returned by the ListItems Response Group. The parameter identifies an item on a list, such as a wishlist. To add this item to a cart, you must include in the CartCreate request the item's ASIN and ListItemId. The ListItemId attaches name and address of the list owner, which the ASIN alone does not.	Optional	Valid Values: <ul style="list-style-type: none"> • An alphanumeric identity returned by the ListItem Response Group.
<i>ResponseGroup</i>	Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like Amazon E-Commerce Service (ECS) to return to you. You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).	Always Optional	Default Values: <ul style="list-style-type: none"> • <i>Request</i> • <i>Cart</i> Valid Values: <ul style="list-style-type: none"> • <i>Request</i> • <i>Cart</i> • <i>CartSimilarities</i> • <i>CartTopSellers</i> • <i>CartNewReleases</i>

SellerLookup Operation

Description

The `SellerLookup` operation allows you to retrieve information about specific sellers, including customer feedback about the sellers, their average feedback rating, their location, etc. For reasons of confidentiality, `SellerLookup` will not return seller email addresses or business addresses.

Note

At the present time, no customer ratings or feedback will be returned for Amazon.co.jp sellers.

Availability

`SellerLookup` is available in all of the locales.

Sample Request

Using SellerLookup (REST)

This example demonstrates how `SellerLookup` can be used to request information about multiple sellers.

```
ht-  
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey  
Id=[Your Access Key ID Here]&Operation=SellerLookup&SellerId=[A  
Seller ID],[A Seller  
ID],[A Seller ID]
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`SellerLookup` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `SellerLookup` operation:

Parameter	Description	Re- quired?	Value
<code>Operation</code>	The operation.	Always Re- quired	<code>SellerLookup</code>
<code>SellerId</code>	Use the <code>SellerId</code> parameter to specify IDs for Amazon sellers you want to look	Always Re-	Valid Value:

Parameter	Description	Re-quired?	Value
	up. You may use <i>SellerId</i> to retrieve information for up to five sellers using a comma-separated list of seller IDs. In SOAP, multiple instances can be represented as multiple <i>SellerId</i> instances.	quired	<ul style="list-style-type: none"> A Seller ID
<i>FeedbackPage</i>	This parameter specifies the page number, when multiple "pages" (blocks of 5 feedback items) exist. The maximum number of pages that can be returned is 10 (50 feedback items). If you do not include <i>FeedbackPage</i> in your request, all of the feedback items are returned if there are less than five, or if there are more than five, the first 5 are returned.	Always Optional	Default Value: <ul style="list-style-type: none"> 1 Valid Values: <ul style="list-style-type: none"> Integers 1 to 10
<i>ResponseGroup</i>	Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like Amazon E-Commerce Service (ECS) to return to you. You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).	Always Optional	Default Values <ul style="list-style-type: none"> <i>Request</i> <i>Seller</i> Valid Values <ul style="list-style-type: none"> <i>Request</i> <i>Seller</i>

Third-Party Listing Operations

The Amazon E-Commerce Service (ECS) third-party listing operations allow you to search for and view products offered by third-party sellers who are using Amazon's seller platform.

Operations:

- [SellerListingLookup](#)
- [SellerListingSearch](#)

SellerListingLookup Operation

Description

The *SellerListingLookup* operation allows you to request information about a seller's products, including product descriptions, condition information, and seller information. This operation only works with sellers who have less than 150,000 items for sale.

Availability

`SellerListingLookup` is available in all of the locales.

Sample Request

Using `SellerListingLookup` (REST)

This example demonstrates how to use `SellerListingLookup` to request seller listing information by offer listing ID.

```
ht-
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey
Id=[Your Access Key ID
Here]&Operation=SellerListingLookup&IdType=Listing&Id=[An
Offer Listing ID]
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`SellerListingLookup` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `SellerListingLookup` operation:

Parameter	Description	Re- quired?	Value
<i>Operation</i>	The operation.	Always Re- quired	<code>SellerListingLookup</code>
<i>IdType</i>	Use the <i>IdType</i> parameter to specify the type of seller listing you would like information about. If you are looking up an Amazon Marketplace item, you will want to use Exchange as the <i>IdType</i> . Discontinued, out of stock, or unavailable products will not be returned if <i>IdType</i> =Listing or SKU or ASIN. They will be returned, however, if <i>IdType</i> =Exchange.	No	Valid Values: <ul style="list-style-type: none"> • ASIN • SKU • Listing • Exchange
<i>Id</i>	Use the <i>Id</i> parameter to specify the exchange ID of the item you wish to look up.	Always Re- quired	Valid Values: <ul style="list-style-type: none"> • A Listing ID

Parameter	Description	Re-quired?	Value
			<ul style="list-style-type: none"> An Exchange ID
<i>SellerId</i>	The <i>SellerId</i> limits the results to a single seller ID.	Yes	A valid seller ID
<i>ResponseGroup</i>	<p>Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like Amazon E-Commerce Service (ECS) to return to you.</p> <p>You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).</p>	Always Optional	<p>Default Values</p> <ul style="list-style-type: none"> <i>Request</i> <i>SellerListing</i> <p>Valid Values</p> <ul style="list-style-type: none"> <i>Request</i> <i>SellerListing</i>

SellerListingSearch Operation

Description

The `SellerListingSearch` operation enables you to search Marketplace listings. These sellers must have less than 150,000 items for sale. ECS does not support sellers that have more than 150,000 items.

Note

`SellerListingSearch` cannot return listings for featured merchants' items. Only merchants with New, Used, Refurbished, and Collectible offerings are returned. To find items belonging to a specific featured merchant, use the `ItemSearch` operation, passing the merchant's ID in the `MerchantId` parameter.

The `SellerListingSearch` operation in the FR, CA, and JP locales use a different set of operation parameters, which is described below.

Availability

`SellerListingSearch` is available in all locales.

Sample Request

Using SellerListingSearch (REST)

This example demonstrates how `SellerListingSearch` can be used to search for marketplace items by title and have the results sorted by price.

```
ht-
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey
Id=[Your Access Key ID Here]&Operation=SellerListingSearch&Title=[A Title
String]&Sort=+price&OfferStatus=Open
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`SellerListingSearch` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `SellerListingSearch` operation:

Parameter	Description	Re-quired?	Value
<i>Operation</i>	The operation.	Always Re-quired	<code>SellerListingSearch</code>
<i>Title</i>	Use the <i>Title</i> parameter to refine your seller listing search to listings containing matching title words. The <i>Title</i> parameter accepts a string containing one or more title words.		Valid Value: <ul style="list-style-type: none"> • One or more words
<i>Sort</i>	Use the <i>Sort</i> parameter to specify how your seller listing search results will be ordered.		Valid Values: <ul style="list-style-type: none"> • <code>-startdate</code> • <code>startdate</code> • <code>+startdate</code> • <code>+price</code> • <code>price</code> • <code>-price</code> • <code>-enddate</code> • <code>enddate</code> • <code>sku</code> • <code>-sku</code> • <code>quantity</code> • <code>-quantity</code> • <code>title</code> • <code>-title</code>
<i>ListingPage</i>	This parameter specifies which page of listings to return with the request, where a page is up to 10 search results at a time. Specifying 1 returns the first page (items 1 through 10), specifying 2 returns the second page (items 11 through	Always Optional	Default Value: <ul style="list-style-type: none"> • 1 Valid Values:

Parameter	Description	Re-quired?	Value
	20), etc. The maximum <i>ListingPage</i> number that can be specified is 500. If you do not include <i>ListingPage</i> in your request, all of the listings are returned if there are less than 10, the first 10 are returned if there are more than 10.		<ul style="list-style-type: none"> Integers 1 to 500
<i>OfferStatus</i>	Use the <i>OfferStatus</i> parameter to filter your seller listing search results by whether the offer status is closed (sold or unpurchasable) or open (purchasable). This parameter only applies to the US, UK, and DE locales.		Default Value: <ul style="list-style-type: none"> Open Valid Values: <ul style="list-style-type: none"> Open Closed
<i>SellerId</i>	Use the <i>SellerId</i> to filter the results by a seller ID. If <i>SellerId</i> is the only parameter specified, the <i>SellerListingSearch</i> operation returns all of the seller's listings.	Yes	Valid Value: <ul style="list-style-type: none"> A Seller ID
<i>ResponseGroup</i>	<p>Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like Amazon E-Commerce Service (ECS) to return to you.</p> <p>You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).</p>	Always Optional	Default Values <ul style="list-style-type: none"> <i>Request</i> <i>SellerListing</i> Valid Values <ul style="list-style-type: none"> <i>Request</i> <i>SellerListing</i>

TransactionLookup Operation

Description

The *TransactionLookup* operation allows you to retrieve a limited amount of information about the status of financial transactions made by Amazon customers. Specifically, it returns order total, subtotal, tax, and shipping charges. For reasons of confidentiality, it does not return customer information, shipping addresses, or a list of items in the order.

Availability

TransactionLookup is available in the following locale: US (Amazon.com).

Sample Request

Using TransactionLookup (REST)

This example demonstrates how `TransactionLookup` can be used to request information about a transaction.

```
ht-
tp://webservices.amazon.com/onca/xml?Service=AWSECommerceService&AWSAccessKey
Id=[Your Access Key ID Here]&Operation=TransactionLookup&TransactionId=[A
Transaction ID]
```

Request Parameters

Request parameters specify the terms of your request and control the output data that is returned to you.

You must include the [required parameters](#) in every request.

`TransactionLookup` accepts the optional parameters that are common to all operations:

- [General Parameters](#)
- [XSL Parameters](#)
- [Operation Formatting Parameters](#)
- [Debugging Parameters](#)

The following parameters are specific to the `TransactionLookup` operation:

Parameter	Description	Re-quired?	Value
<i>Operation</i>	The operation.	Always Re-quired	TransactionLookup
<i>TransactionId</i>	Use the <i>TransactionId</i> parameter to specify transaction IDs you want information about. You may specify up to 10 transaction IDs in a single request, using a comma-separated list in a REST request or multiple elements in SOAP.	Always Re-quired	Valid Values: <ul style="list-style-type: none"> • One or more transaction IDs
<i>ResponseGroup</i>	Controls the data returned by the operation. Use this parameter to specify which response group(s), or group(s) of data elements, you would like Amazon E-Commerce Service (ECS) to return to you. You can specify as many response groups as you wish using a comma-separated list (REST) or multiple elements (SOAP).	Always Optional	Default Values: <ul style="list-style-type: none"> • <i>Request</i> • <i>TransactionDe-tails</i> Valid Values: <ul style="list-style-type: none"> • <i>Request</i> • <i>TransactionDe-</i>

Parameter	Description	Re- quired?	Value
			<i>tails</i>

Response Groups

Response groups are data sets that can be returned by Amazon E-Commerce Service (ECS). They allow you to tailor your requests to return only the data you need. Each operation, such as `ItemSearch` or `SimilarityLookup`, has a list of valid response groups that can be used with it. You can find the list of valid response groups supported for an operation by viewing that operation's `ResponseGroup` request parameter. There you will find the list of default as well as valid values.

All Response Groups

- [Accessories](#)
- [BrowseNodeInfo](#)
- [BrowseNodes](#)
- [Cart](#)
- [CartNewReleases](#)
- [CartTopSellers](#)
- [CartSimilarities](#)
- [CustomerFull](#)
- [CustomerInfo](#)
- [CustomerLists](#)
- [CustomerReviews](#)
- [EditorialReview](#)
- [Help](#)
- [Images](#)
- [ItemAttributes](#)
- [ItemIds](#)
- [Large](#)
- [ListFull](#)
- [ListInfo](#)
- [ListItems](#)
- [ListmaniaLists](#)
- [ListMinimum](#)
- [Medium](#)
- [NewReleases](#)
- [OfferFull](#)
- [Offers](#)
- [OfferSummary](#)
- [Request](#)
- [Reviews](#)
- [SalesRank](#)
- [SearchBins](#)
- [Seller](#)
- [SellerListing](#)
- [Similarities](#)
- [Small](#)
- [Subjects](#)

- [TopSellers](#)
- [Tracks](#)
- [TransactionDetails](#)
- [VariationMinimum](#)
- [Variations](#)
- [VariationImages](#)
- [VariationSummary](#)

Accessories Response Group

Description

The Accessories response group will return a list of accessory product ASINs and Titles for each product in the response that has accessories. For example, an ItemLookup for a digital camera will return information about accessories that may be purchased in addition to the camera, such as a camera bag, an extra flash, batteries, and a memory card.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2005-07-27">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>037AY8RM17ZTWMHBRYEG</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="SubscriptionId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="B000080E6I"/>
      <Argument Name="IdType" Value="ASIN"/>
      <Argument Name="ResponseGroup" Value="Accessories"/>
      <Argument Name="Operation" Value="ItemLookup"/>
    </Arguments>
  </OperationRequest>
  <Items>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Item>
      <ASIN>B000080E6I</ASIN>
      <Accessories>
        <Accessory>
          <ASIN>B00003G1RG</ASIN>
          <Title>Viking 128 MB CompactFlash Card (CF128M)</Title>
        </Accessory>
        <Accessory>
          <ASIN>B00004WCCT</ASIN>
          <Title>Canon Soft Leather Case for Canon Digital ELPH Cameras (Black)</Title>
        </Accessory>
        <Accessory>
          <ASIN>B000051408</ASIN>
          <Title>SimpleTech STI-CF/128 128MB CompactFlash Card</Title>
        </Accessory>
      </Accessories>
    </Item>
  </Items>
</ItemLookupResponse>
```

```
<ASIN>B00005JAD8</ASIN>
<Title>Canon NB-1LH Battery Pack for Canon S100, S110, S200, S230,
S300, S330, S400, S410 & S500</Title>
</Accessory>
<Accessory>
<ASIN>B00005LPRQ</ASIN>
<Title>Canon ACK-500 AC Adapter Kit for S110, S200, S230, S300,
S330, S400, S410 & S500</Title>
</Accessory>
</Accessories>
</Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&IdType=ASIN
&ItemId=B000080E6I
&ResponseGroup=Accessories
```

BrowseNodeInfo Response Group

Description

All products listed on Amazon's websites have been classified using a number of schemes such as product type (such as books, music, tools, apparel), brand, subject, genre, style, etc. This classification system is called browse. Each browse area (a unique classification area called a node) has been assigned an integer called a browse node ID.

The BrowseNodeInfo response group provides information about a browse node in the browse area.

Although the BrowseNodeInfo response group is similar to the BrowseNodes response group, the BrowseNodeInfo response group is intended for the BrowseNodeLookup operation. The BrowseNodes response group is intended for the ItemLookup and similar operations.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<BrowseNodeLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0
(compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>08V11V2MJWTFHXNA6G5N</RequestId>
    <Arguments>
      <Argument Name="Service"
Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate
ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access
```

```
Key ID Here]"/>
    <Argument Name="ResponseGroup" Value="BrowseNodes"/>
    <Argument Name="Operation" Value="BrowseNodeLookup"/>
    <Argument Name="BrowseNodeId" Value="4229"/>
  </Arguments>
</OperationRequest>
<BrowseNodes>
  <BrowseNode>
    <BrowseNodeId>4229</BrowseNodeId>
    <Name>Gastronomy</Name>
    <Children>
      <BrowseNode>
        <BrowseNodeId>4230</BrowseNodeId>
        <Name>Essays</Name>
      </BrowseNode>
      <BrowseNode>
        <BrowseNodeId>4231</BrowseNodeId>
        <Name>General</Name>
      </BrowseNode>
      <BrowseNode>
        <BrowseNodeId>4232</BrowseNodeId>
        <Name>History</Name>
      </BrowseNode>
    </Children>
  </BrowseNode>
</BrowseNodes>
</BrowseNodeLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=BrowseNodeLookup
&BrowseNodeId=4229
&ResponseGroup=BrowseNodeInfo
```

BrowseNodes Response Group

Description

All products listed on Amazon's websites have been classified using a number of schemes such as product type (such as books, music, tools, apparel), brand, subject, genre, style, etc. This classification system is called browse. Each browse area (a unique classification area called a node) has been assigned an integer called a browse node ID.

Some products, such as parent ASINs, which have variations, do not return information in the BrowseNodes response group.

The BrowseNodes response group provides a list of browse nodes to which the item belongs. For each browse node, this response group returns the browse node ID and name

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
```

```
<OperationRequest>
  <HTTPHeaders>
    <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Win-
dows NT 5.1)"/>
  </HTTPHeaders>
  <RequestId>1NS8EGQQ81YRVBQCE5Y</RequestId>
  <Arguments>
    <Argument Name="Service" Value="AWSECommerceService"/>
    <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
    <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
    <Argument Name="ItemId" Value="B000002ADT"/>
    <Argument Name="IdType" Value="ASIN"/>
    <Argument Name="ResponseGroup" Value="BrowseNodes"/>
    <Argument Name="Operation" Value="ItemLookup"/>
  </Arguments>
</OperationRequest>
<Items>
  <Request>
    <IsValid>True</IsValid>
  </Request>
  <Item>
    <ASIN>B000002ADT</ASIN>
    <BrowseNodes>
      <BrowseNode>
        <BrowseNodeId>63926</BrowseNodeId>
        <Name>General</Name>
        <Ancestors>
          <BrowseNode>
            <BrowseNodeId>34</BrowseNodeId>
            <Name>Jazz</Name>
            <Ancestors>
              <BrowseNode>
                <BrowseNodeId>301668</BrowseNodeId>
                <Name>Styles</Name>
              </BrowseNode>
            </Ancestors>
          </BrowseNode>
        </Ancestors>
      </BrowseNode>
      <BrowseNode>
        <BrowseNodeId>598176</BrowseNodeId>
        <Name>Hard Bop</Name>
        <Ancestors>
          <BrowseNode>
            <BrowseNodeId>598174</BrowseNodeId>
            <Name>Bebop</Name>
            <Ancestors>
              <BrowseNode>
                <BrowseNodeId>34</BrowseNodeId>
                <Name>Jazz</Name>
                <Ancestors>
                  <BrowseNode>
                    <BrowseNodeId>301668</BrowseNodeId>
                    <Name>Styles</Name>
                  </BrowseNode>
                </Ancestors>
              </BrowseNode>
            </Ancestors>
          </BrowseNode>
        </Ancestors>
      </BrowseNode>
    </BrowseNodes>
  </Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&IdType=ASIN
&ItemId=B000002ADT
&ResponseGroup=BrowseNodes
```

Cart Response Group

Description

The Cart response group provides the CartId, HMAC identifier (HMAC stands for Keyed-Hashing for Message Authentication Code), and PurchaseURL for a remote shopping cart. For each product in the cart (including those in the "saved for later" section of the cart), this response group returns the CartItemId, ProductName, ASIN, Quantity, ListPrice, and OurPrice elements.

REST Sample Response and Request

Sample Response (REST)

```
<CartModifyResponse>
  <OperationRequest>
    <RequestId>060D71HW2MVG0F6N1GCD</RequestId>
    <Arguments>
      <Argument Name="CartId" Value="90175964249386406" />
      <Argument Name="AWSAccessKeyId" Value="1KS0K51BKXC7YB93BD82" />
      <Argument Name="Operation" Value="CartModify" />
      <Argument Name="Service" Value="AWSECommerceService" />
      <Argument Name="Item.1.CartItemId" Value="UDQY2TW5RHTQE" />
      <Argument Name="HMAC" Value="2jAR7tTtCEvnq/Mj7vAJ3J+H88A=" />
      <Argument Name="Item.1.Action" Value="SaveForLater" />
    </Arguments>
    <RequestProcessingTime>1.17616105079651</RequestProcessingTime>
  </OperationRequest>
  <Cart>
    <Request>
      <IsValid>True</IsValid>
      <CartModifyRequest>
        <CartId>901-7596424-9386406</CartId>
        <HMAC>2jAR7tTtCEvnq/Mj7vAJ3J+H88A=</HMAC>
        <Items>
          <Item>
            <Action>SaveForLater</Action>
            <CartItemId>UDQY2TW5RHTQE</CartItemId>
          </Item>
        </Items>
      </CartModifyRequest>
    </Request>
    <CartId>901-7596424-9386406</CartId>
    <HMAC>2jAR7tTtCEvnq/Mj7vAJ3J+H88A=</HMAC>
    <URLEncodedHMAC>2jAR7tTtCEvnq/Mj7vAJ3J%2BH88A=</URLEncodedHMAC>
    <PurchaseURL>
      ht-
      tps://www.amazon.com/gp/cart/aws-merge.html?cart-id=901-7596424-9386406%26ass
      ociate-id=ws%26hmac=2jAR7tTtCEvnq/Mj7vAJ3J%2BH88A=%
      26AWSAccessKeyId=1KS0K51BKXC7YB93BD82%26MergeCart=False
    </PurchaseURL>
    <SubTotal>
      <Amount>4082</Amount>
      <CurrencyCode>USD</CurrencyCode>
      <FormattedPrice>$40.82</FormattedPrice>
    </SubTotal>
```

```
<CartItems>
  <SubTotal>
    <Amount>2733</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$27.33</FormattedPrice>
  </SubTotal>
  <CartItem>
    <CartItemId>U32W0FRDB4CV4F</CartItemId>
    <ASIN>0060006781</ASIN>
    <MerchantId>ATVPDKIKX0DER</MerchantId>
    <SellerId>A1OHOT6VONX3KA</SellerId>
    <SellerNickname>Amazon.com, LLC</SellerNickname>
    <Quantity>1</Quantity>
    <Title>
Nature Via Nurture : Genes, Experience, and What Makes Us Human
    </Title>
    <ProductGroup>Book</ProductGroup>
    <Price>
    <Amount>1713</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$17.13</FormattedPrice>
    </Price>
    <ItemTotal>
    <Amount>1713</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$17.13</FormattedPrice>
    </ItemTotal>
  </CartItem>
  <CartItem>
    <CartItemId>U3TGMFZU1V76T1</CartItemId>
    <ASIN>0140264450</ASIN>
    <MerchantId>ATVPDKIKX0DER</MerchantId>
    <SellerId>A1OHOT6VONX3KA</SellerId>
    <SellerNickname>Amazon.com, LLC</SellerNickname>
    <Quantity>1</Quantity>
    <Title>
tion The Origins of Virtue: Human Instincts and the Evolution of Coopera-
    </Title>
    <ProductGroup>Book</ProductGroup>
    <Price>
    <Amount>1020</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$10.20</FormattedPrice>
    </Price>
    <ItemTotal>
    <Amount>1020</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$10.20</FormattedPrice>
    </ItemTotal>
  </CartItem>
</CartItems>
<SavedForLaterItems>
  <SubTotal>
    <Amount>1349</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$13.49</FormattedPrice>
  </SubTotal>
  <SavedForLaterItem>
    <CartItemId>UDQY2TW5RHTQE</CartItemId>
    <ASIN>B000093BDX</ASIN>
    <MerchantId>ATVPDKIKX0DER</MerchantId>
    <SellerId>A1OHOT6VONX3KA</SellerId>
    <Quantity>1</Quantity>
    <Title>Sounds Of Summer - The Very Best Of The Beach Boys</Title>
    <ProductGroup>Music</ProductGroup>
    <Price>
    <Amount>1349</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$13.49</FormattedPrice>
    </Price>
```



```
<ItemTotal>
  <Amount>1349</Amount>
  <CurrencyCode>USD</CurrencyCode>
  <FormattedPrice>$13.49</FormattedPrice>
</ItemTotal>
</SavedForLaterItem>
</SavedForLaterItems>
</Cart>
</CartModifyResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=CartModify
&CartId=901-7596424-9386406
&HMAC=2jAR7tTtCEvnq/Mj7vAJ3J%2BH88A=
&Item.1.CartItemId=UDQY2TW5RHTQE
&Item.1.Action=SaveForLater
```

CartNewReleases Response Group

Description

The CartNewReleases response group displays the top five, new releases (ASINS and titles) in the root category of the item used in the cart operation. This feature is available in the US locale only.

Availability

The CartNewReleases response group is only available in the US locale.

REST Sample Response Snippet

Sample Response Snippet (REST)

```
<NewReleases>
  <NewRelease>
    <ASIN>0439784549</ASIN>
    <Title>Harry Potter and the Half-Blood Prince (Book
6)</Title>
  </NewRelease>
  <NewRelease>
    <ASIN>0743226712</ASIN>
    <Title>1776</Title>
  </NewRelease>
  <NewRelease>
    <ASIN>0060765313</ASIN>
    <Title>Trst</Title>
  </NewRelease>
  <NewRelease>
    <ASIN>006073132X</ASIN>
    <Title>This new baby product (should we restrict this to the
"clone")</Title>
  </NewRelease>
</NewRelease>
```

```
<ASIN>0374292884</ASIN>
<Title>The World Is Flat: A Brief History of the Twenty-first
Century: A Look At Slugs (Sociology)</Title>
</NewRelease>
</NewReleases>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=CartCreate
&ItemId=0239409223
&ResponseGroup=CartTopSellers
```

CartTopSellers Response Group

Description

The CartTopSellers response group lists the top five best sellers in the root category of the item used in the cart operation. For example, when adding a television to a cart, the top five best sellers in the root category, electronics, are displayed. These best sellers might be the best selling computers, MP3 players, and digital cameras. All cart operations, except CartClear, can use this response group.

Availability

The CartTopSellers response group is only available in the US locale.

REST Sample Response Snippet

Sample Response Snippet (REST)

```
<TopSellers>
  <TopSeller>
    <ASIN>0439784549</ASIN>
    <Title>Harry Potter and the Half-Blood Prince (Book
6)</Title>
  </TopSeller>
  <TopSeller>
    <ASIN>0743226712</ASIN>
    <Title>1776</Title>
  </TopSeller>
  <TopSeller>
    <ASIN>0060765313</ASIN>
    <Title>Trst</Title>
  </TopSeller>
  <TopSeller>
    <ASIN>006073132X</ASIN>
    <Title>This new baby product (should we restrict this to the
"clone")</Title>
  </TopSeller>
  <TopSeller>
    <ASIN>0374292884</ASIN>
```

```
<Title>The World Is Flat: A Brief History of the Twenty-first  
Century: A Look At Slugs (Sociology)</Title>  
</TopSeller>  
</TopSellers>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?  
Service=AWSECommerceService  
&AWSAccessKeyId=[Your Access Key ID Here]  
&AssociateTag=[Your Associate ID Here]  
&Operation=CartGet  
&ItemId=0239409223  
&ResponseGroup=CartTopSellers
```

CartSimilarities Response Group

Description

The CartSimilarities response group returns a list of items that:

- Are similar to the item specified in the operation. These results are tagged with `<SimilarProducts>` and `<SimilarProduct>`. These results are displayed on the retail website under the heading, "Customers who bought this [item] also bought."
- Have been viewed by customers who also viewed the the item specified in the operation. These results are tagged with `<SimilarViewedProducts>` and `<SimilarViewedProduct>`. These results are displayed on the retail website under the heading, "Customers who viewed this [item] also viewed"
- Can be found in other categories that are similar to the item specified in the operation. These results are tagged with `<OtherCategoriesSimilarProducts>` and `<OtherCategoriesSimilarProduct>`. These results are displayed on the retail website under the heading, "Explore Similar Items," which falls under the heading, "Customers who bought this [item] also bought."

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>  
<CartCreateResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">  
  <OperationRequest>  
    <HTTPHeaders>  
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>  
    </HTTPHeaders>  
    <RequestId>1RWM6VJ6DN9VN5ZBD8YA</RequestId>  
    <Arguments>  
      <Argument Name="Item.3.Quantity" Value="1"/>  
      <Argument Name="Service" Value="AWSECommerceService"/>  
      <Argument Name="Item.3.ASIN" Value="0679758941"/>  
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>  
      <Argument Name="Item.1.ASIN" Value="0060006781"/>  
    </Arguments>  
  </OperationRequest>  
</CartCreateResponse>
```

```
<Argument Name="Item.2.Quantity" Value="1"/>
<Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
<Argument Name="Item.2.ASIN" Value="0140264450"/>
<Argument Name="Item.1.Quantity" Value="1"/>
<Argument Name="ResponseGroup" Value="CartSimilarities"/>
<Argument Name="Operation" Value="CartCreate"/>
</Arguments>
</OperationRequest>
<Cart>
  <Request>
    <IsValid>True</IsValid>
  </Request>
  <SimilarProducts>
    <SimilarProduct>
      <ASIN>0679766693</ASIN>
      <Title>The Way of the World : From the Dawn of Civilizations to the
Eve of the Twenty-first Century</Title>
    </SimilarProduct>
    <SimilarProduct>
      <ASIN>0192860925</ASIN>
      <Title>The Selfish Gene</Title>
    </SimilarProduct>
    <SimilarProduct>
      <ASIN>0060932902</ASIN>
      <Title>Genome</Title>
    </SimilarProduct>
    <SimilarProduct>
      <ASIN>0618335404</ASIN>
      <Title>A Devil's Chaplain: Reflections on Hope, Lies, Science and
Love</Title>
    </SimilarProduct>
    <SimilarProduct>
      <ASIN>0060556579</ASIN>
      <Title>The Red Queen : Sex and the Evolution of Human Nature</Title>
    </SimilarProduct>
  </SimilarProducts>

  <SimilarViewedProducts>
    <SimilarViewedProduct>
      <ASIN>B00009U0XI</ASIN>
      <Title>Canon PSC-60 Soft Camera Case for Canon Powershot A95, A85, A80, A70,
A60, A40, A20 and A10</Title>
    </SimilarViewedProduct>
    <SimilarViewedProduct>
      <ASIN>B0001G6U5M</ASIN>
      <Title>Canon PowerShot S410 4MP Digital Elph with 3x Optical Zoom</Title>
    </SimilarViewedProduct>
  </SimilarViewedProducts>

  <OtherCategoriesSimilarProducts>
    - <OtherCategoriesSimilarProduct>
      <ASIN>B0000CD08M</ASIN>
      <Title>SanDisk SDCFH-512-901 512 MB Ultra II CompactFlash Card</Title>
    </OtherCategoriesSimilarProduct>
    - <OtherCategoriesSimilarProduct>
      <ASIN>B00006B9QF</ASIN>
      <Title>SanDisk 512MB CompactFlash Memory Card</Title>
    </OtherCategoriesSimilarProduct>
  </OtherCategoriesSimilarProducts>

</Cart>
</CartCreateResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
```

```
&Operation=CartCreate
&Item.1.ASIN=0060006781
&Item.1.Quantity=1
&Item.2.ASIN=0140264450
&Item.2.Quantity=1
&Item.3.ASIN=0679758941
&Item.3.Quantity=1
&ResponseGroup=CartSimilarities
```

CustomerFull Response Group

Description

The CustomerFull response group provides all of the content created by a customer. CustomerFull is a parent response group that contains the CustomerInfo, CustomerLists, and CustomerReviews response groups. Additionally, CustomerFull returns the About Me message that appears on each Amazon customer's member page on Amazon, as well as the customer's birthday, if this information is public on Amazon.

CustomerFull Includes the Following Response Groups

- *CustomerInfo*
- *CustomerLists*
- *CustomerReviews*

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<CustomerContentLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>1AH6FM4A4PEHNAECJ7F1</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="CustomerId" Value="A2KEKKJ9CAC2KC"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ResponseGroup" Value="CustomerFull"/>
      <Argument Name="Operation" Value="CustomerContentLookup"/>
    </Arguments>
  </OperationRequest>
  <Customers>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Customer>
      <Nickname>jeff</Nickname>
      <WishListId>BUWBWH9K2H77</WishListId>
      <Reviews>
        <Review>
          <ASIN>B0000VUP40</ASIN>
          <Rating>5</Rating>
          <HelpfulVotes>7</HelpfulVotes>
          <TotalVotes>8</TotalVotes>
        </Review>
      </Reviews>
    </Customer>
  </Customers>
</CustomerContentLookupResponse>
```

```
<Date>2000-08-29</Date>
<Summary>Ridiculously Good Cookies</Summary>
<Content>This is an assortment of carefully wrapped cookies. They
claim to ship only hours after the baking is done, and the taste would cer-
tainly indicate that that's true. I'm not exactly sure how many different
cookie types there are in the box since I (and my co-workers) started eating
before I started counting. But somewhere around eight or more different
types. The snickerdoodles were the best I've ever had. Ridiculously good
cookies.</Content>
</Review>
<Review>
  <ASIN>B0000TM9KA</ASIN>
  <Rating>5</Rating>
  <HelpfulVotes>11</HelpfulVotes>
  <TotalVotes>11</TotalVotes>
  <Date>1999-12-23</Date>
  <Summary>My mouth is watering as I write this</Summary>
  <Content>If you're doing a low-carb diet or looking for snack foods
that won't trigger a glycemic reaction, try these amazing cheese snacks. They
are very delicate and pastry-like, crumbling in your mouth. Very savory -- no
sweetness. Aunt Lizzie is on to something, and these are a no-compromise low-
carb snack.</Content>
</Review>
<Review>
  <ASIN>0765304368</ASIN>
  <Rating>5</Rating>
  <HelpfulVotes>22</HelpfulVotes>
  <TotalVotes>25</TotalVotes>
  <Date>2000-04-07</Date>
  <Summary>A grand idea novel!</Summary>
  <Content>
    <P>Dr. Gillian Taylor: Don't tell me you don't use money in the
23rd Century.</P>
    <P>Kirk: Well we don't.</P>
    <P> -- Star Trek IV: The Voyage Home </P>
    <P>Star Trek may be a money-free universe, but they've always
left blank the details of how scarce assets like a starship or a Picasso ...
or the Haunted Mansion might get allocated.</P>
    <P>In this fun, fast book, the clearly talented Cory Doctorow ex-
plores a full-on reputation economy. With the help of a sophisticated, real-
time network, people accumulate and lose a reputation currency called "whuf-
fie." The ideas are an incredibly rich playground, and the author doesn't
make you suffer through flat characters or clunky prose to get to them. On
the contrary, these are totally alive characters set in a deeply conjured
world (which world is Disney World, a place you can feel the author's passion
for). By the end, you'll know the characters well enough to be able to judge
what impact this new world has -- or doesn't have -- on the fundamentals of
human nature.</P>
    <P>Cory Doctorow deserves much whuffie for this novel. Highly re-
commended.</P>
  </Content>
</Review>
<Review>
  <ASIN>0805059857</ASIN>
  <Rating>5</Rating>
  <HelpfulVotes>32</HelpfulVotes>
  <TotalVotes>33</TotalVotes>
  <Date>2000-05-02</Date>
  <Summary>They were planning to tour the Solar System</Summary>
  <Content>For those of us who dream of visiting the outer planets,
seeing Saturn's rings up close without intermediation of telescopes or
charge-coupled devices, well, we pretty much *have* to read "Project Orion."
In 1958, some of the world's smartest people, including famous physicist
Freeman Dyson (the author's father), expected to visit the outer planets in
"Orion," a nuclear-bomb propelled ship big enough and powerful enough to seat
its passengers in lazy-boy recliners. They expected to start their grand tour
by 1970. This was not pie-in-the-sky optimism; they had strong technical
reasons for believing they could do it.<P>To pull this book together, George
Dyson did an astonishing amount of research into this still largely classi-
fied project. And, maybe because he's connected to Orion through his father,
the author captures the strong emotion of the project and the team. Highly
recommended.</P>
```

```
</Content>
</Review>
<Review>
  <ASIN>0316499552</ASIN>
  <Rating>5</Rating>
  <HelpfulVotes>30</HelpfulVotes>
  <TotalVotes>74</TotalVotes>
  <Date>2000-07-17</Date>
  <Summary>Intense and disciplined</Summary>
  <Content>This book is about people -- an incredibly interesting as-
sortment of determined, competitive people thrust into a circumstance more
challenging and dangerous than any of them expected. Bruce Knecht captures
acts of heroism and frailty, but, in a display of astonishing writerly dis-
cipline, he never judges these people. Judging these strong people would in-
evitably over-simplify the reality of human behavior under life-threatening
stress. The way Knecht does it, as we read, we get to wonder how we would re-
act.</Content>
</Review>
<Review>
  <ASIN>B00004THDE</ASIN>
  <Rating>5</Rating>
  <HelpfulVotes>74</HelpfulVotes>
  <TotalVotes>80</TotalVotes>
  <Date>2000-07-24</Date>
  <Summary>Absolutely the best binoculars I've used</Summary>
  <Content>The problem with high power binoculars is that humans
can't hold them steady, and that jitter makes it impossible to really look at
something without a tripod. The image stabilization in this pair solves that
problem and holds things rock steady. This is an expensive product that
clearly distingues itself, and one of those products that technology makes
seem a little magic. <P> I have only two small complaints: First, for a
product this expensive they should pre-install the neck strap for you -- not
a big deal, but it would be nice for the customer. Second, I wish the lens
cap covers were higher quality and attachable to the unit so they wouldn't
get lost. Again, not a big deal. </P>
  <P> These are without a doubt the best binoculars I've ever
used.</P>
</Content>
</Review>
<Review>
  <ASIN>B00001U0DP</ASIN>
  <Rating>5</Rating>
  <HelpfulVotes>11</HelpfulVotes>
  <TotalVotes>12</TotalVotes>
  <Date>2000-07-28</Date>
  <Summary>Wow. A masterpiece.</Summary>
  <Content>This movie is absolutely all it's cracked up to be. Hys-
terically funny and simultaneously a tear jerker -- it's ultimately very up-
lifting. The cinematography is also fantastic -- amazing use of color. <P>
The DVD has dubbed english as an option, but I strongly recommend going with
the subtitles instead so you can hear Benigni's amazing acting and passion.
</P>
  <P> Too bad the DVD doesn't include any deleted scenes. With Be-
nigni, I think it would be particularly fun to see out-takes.</P>
  <P/>
  <P>Absolutely a great movie!</P>
</Content>
</Review>
<Review>
  <ASIN>6305692688</ASIN>
  <Rating>1</Rating>
  <HelpfulVotes>20</HelpfulVotes>
  <TotalVotes>34</TotalVotes>
  <Date>2000-08-23</Date>
  <Summary>one star is indeed one too many</Summary>
  <Content>Let's face facts. This is a terrible, terrible movie. We
have to guess that all involved in this project are hiding. Really, I'm gen-
erally quite easy on movies, but this endless stream of uninteresting battle
scenes with pointless dialogue and no discernable plot is perhaps one of the
worst movies ever made. Sorry if this seems harsh, but I just don't want any-
one to buy it unknowingly.</Content>
</Review>
```

```
    </Reviews>
  </Customer>
</Customers>
</CustomerContentLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=CustomerContentLookup
&CustomerId=A2KEKKJ9CAC2KC
&ResponseGroup=CustomerFull
```

CustomerInfo Response Group

Description

The CustomerInfo response group provides the CustomerId, Name, Nickname, and Location (City and State) for each customer listed in the response. This response group will only return information that customers have chosen to make public on Amazon.com.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<CustomerContentLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0J75XCPRE5YM4RJS3SZG</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="CustomerId" Value="A2KEKKJ9CAC2KC"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ResponseGroup" Value="CustomerInfo"/>
      <Argument Name="Operation" Value="CustomerContentLookup"/>
    </Arguments>
  </OperationRequest>
  <Customers>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Customer>
      <Nickname>jeff</Nickname>
    </Customer>
  </Customers>
</CustomerContentLookupResponse>
```

The Request that Generated the Response (REST)


```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=CustomerContentLookup
&CustomerId=A2KEKKJ9CAC2KC
&ResponseGroup=CustomerInfo
```

CustomerLists Response Group

Description

The CustomerLists response group provides the WishListId for each customer listed in the response.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<CustomerContentLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0JXXH0XCP50PWHJFXEQC</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="CustomerId" Value="A2KEKKJ9CAC2KC"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ResponseGroup" Value="CustomerLists"/>
      <Argument Name="Operation" Value="CustomerContentLookup"/>
    </Arguments>
  </OperationRequest>
  <Customers>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Customer>
      <WishListId>BUWBWH9K2H77</WishListId>
    </Customer>
  </Customers>
</CustomerContentLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=CustomerContentLookup
&CustomerId=A2KEKKJ9CAC2KC
&ResponseGroup=CustomerLists
```

CustomerReviews Response Group

Description

The CustomerReviews response group provides the ReviewerRank, TotalHelpfulVotes, and Reviews for each customer listed in the response. Each review in the response is described by the elements for the ASIN reviewed, the product rating, the number of HelpfulVotes, the number of TotalVotes, the review Summary, the review Comment, and DateOfReview.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<CustomerContentLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0ZX5BT4M4DEMTWK6YC76</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="CustomerId" Value="A2KEKKJ9CAC2KC"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ResponseGroup" Value="CustomerReviews"/>
      <Argument Name="Operation" Value="CustomerContentLookup"/>
    </Arguments>
  </OperationRequest>
  <Customers>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Customer>
      <CustomerReviews>
        <Review>
          <ASIN>B0000VUP40</ASIN>
          <Rating>5</Rating>
          <HelpfulVotes>7</HelpfulVotes>
          <TotalVotes>8</TotalVotes>
          <Date>1999-11-22</Date>
          <Summary>Ridiculously Good Cookies</Summary>
          <Content>This is an assortment of carefully wrapped cookies. They claim to ship only hours after the baking is done, and the taste would certainly indicate that that's true. I'm not exactly sure how many different cookie types there are in the box since I (and my co-workers) started eating before I started counting. But somewhere around eight or more different types. The snickerdoodles were the best I've ever had. Ridiculously good cookies.</Content>
        </Review>
        <Review>
          <ASIN>B0000TM9KA</ASIN>
          <Rating>5</Rating>
          <HelpfulVotes>11</HelpfulVotes>
          <TotalVotes>11</TotalVotes>
          <Date>2000-04-07</Date>
          <Summary>My mouth is watering as I write this</Summary>
          <Content>If you're doing a low-carb diet or looking for snack foods that won't trigger a glycemic reaction, try these amazing cheese snacks. They are very delicate and pastry-like, crumbling in your mouth. Very savory -- no sweetness. Aunt Lizzie is on to something, and these are a no-compromise low-carb snack.</Content>
        </Review>
        <Review>
          <ASIN>0765304368</ASIN>
          <Rating>5</Rating>
```

```
<HelpfulVotes>22</HelpfulVotes>
<TotalVotes>25</TotalVotes>
<Date>2000-04-07</Date>
<Summary>A grand idea novel!</Summary>
<Content>
  <P>Dr. Gillian Taylor: Don't tell me you don't use money in the
23rd Century.</P>
  <P>Kirk: Well we don't.</P>
  <P> -- Star Trek IV: The Voyage Home </P>
  <P>Star Trek may be a money-free universe, but they've always
left blank the details of how scarce assets like a starship or a Picasso ...
or the Haunted Mansion might get allocated.</P>
  <P>In this fun, fast book, the clearly talented Cory Doctorow ex-
plores a full-on reputation economy. With the help of a sophisticated, real-
time network, people accumulate and lose a reputation currency called "whuf-
fie." The ideas are an incredibly rich playground, and the author doesn't
make you suffer through flat characters or clunky prose to get to them. On
the contrary, these are totally alive characters set in a deeply conjured
world (which world is Disney World, a place you can feel the author's passion
for). By the end, you'll know the characters well enough to be able to judge
what impact this new world has -- or doesn't have -- on the fundamentals of
human nature.</P>
  <P>Cory Doctorow deserves much whuffie for this novel. Highly re-
commended.</P>
</Content>
</Review>
<Review>
  <ASIN>0805059857</ASIN>
  <Rating>5</Rating>
  <HelpfulVotes>32</HelpfulVotes>
  <TotalVotes>33</TotalVotes>
  <Date>2000-05-02</Date>
  <Summary>They were planning to tour the Solar System</Summary>
  <Content>For those of us who dream of visiting the outer planets,
seeing Saturn's rings up close without intermediation of telescopes or
charge-coupled devices, well, we pretty much *have* to read "Project Orion."
In 1958, some of the world's smartest people, including famous physicist
Freeman Dyson (the author's father), expected to visit the outer planets in
"Orion," a nuclear-bomb propelled ship big enough and powerful enough to seat
its passengers in lazy-boy recliners. They expected to start their grand tour
by 1970. This was not pie-in-the-sky optimism; they had strong technical
reasons for believing they could do it.<P>To pull this book together, George
Dyson did an astonishing amount of research into this still largely classi-
fied project. And, maybe because he's connected to Orion through his father,
the author captures the strong emotion of the project and the team. Highly
recommended.</P>
</Content>
</Review>
<Review>
  <ASIN>0316499552</ASIN>
  <Rating>5</Rating>
  <HelpfulVotes>30</HelpfulVotes>
  <TotalVotes>74</TotalVotes>
  <Date>992192541</Date>
  <Summary>Intense and disciplined</Summary>
  <Content>This book is about people -- an incredibly interesting as-
sortment of determined, competitive people thrust into a circumstance more
challenging and dangerous than any of them expected. Bruce Knecht captures
acts of heroism and frailty, but, in a display of astonishing writerly dis-
cipline, he never judges these people. Judging these strong people would in-
evitably over-simplify the reality of human behavior under life-threatening
stress. The way Knecht does it, as we read, we get to wonder how we would re-
act.</Content>
</Review>
<Review>
  <ASIN>B00004THDE</ASIN>
  <Rating>5</Rating>
  <HelpfulVotes>74</HelpfulVotes>
  <TotalVotes>80</TotalVotes>
  <Date>2000-07-17</Date>
  <Summary>Absolutely the best binoculars I've used</Summary>
  <Content>The problem with high power binoculars is that humans
```

can't hold them steady, and that jitter makes it impossible to really look at something without a tripod. The image stabilization in this pair solves that problem and holds things rock steady. This is an expensive product that clearly distinguishes itself, and one of those products that technology makes seem a little magic. <P> I have only two small complaints: First, for a product this expensive they should pre-install the neck strap for you -- not a big deal, but it would be nice for the customer. Second, I wish the lens cap covers were higher quality and attachable to the unit so they wouldn't get lost. Again, not a big deal.</P>

```
<P> These are without a doubt the best binoculars I've ever
used.</P>
</Content>
</Review>
<Review>
  <ASIN>B00001U0DP</ASIN>
  <Rating>5</Rating>
  <HelpfulVotes>11</HelpfulVotes>
  <TotalVotes>12</TotalVotes>
  <Date>2000-07-24</Date>
  <Summary>Wow. A masterpiece.</Summary>
  <Content>This movie is absolutely all it's cracked up to be. Hys-
terically funny and simultaneously a tear jerker -- it's ultimately very up-
lifting. The cinematography is also fantastic -- amazing use of color. <P>
The DVD has dubbed english as an option, but I strongly recommend going with
the subtitles instead so you can hear Benigni's amazing acting and passion.
</P>
  <P> Too bad the DVD doesn't include any deleted scenes. With Be-
nigni, I think it would be particularly fun to see out-takes.</P>
  <P/>
  <P>Absolutely a great movie!</P>
</Content>
</Review>
<Review>
  <ASIN>6305692688</ASIN>
  <Rating>1</Rating>
  <HelpfulVotes>20</HelpfulVotes>
  <TotalVotes>34</TotalVotes>
  <Date>2000-07-28</Date>
  <Summary>one star is indeed one too many</Summary>
  <Content>Let's face facts. This is a terrible, terrible movie. We
have to guess that all involved in this project are hiding. Really, I'm gen-
erally quite easy on movies, but this endless stream of uninteresting battle
scenes with pointless dialogue and no discernable plot is perhaps one of the
worst movies ever made. Sorry if this seems harsh, but I just don't want any-
one to buy it unknowingly.</Content>
</Review>
</CustomerReviews>
</Customer>
</Customers>
</CustomerContentLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=CustomerContentLookup
&CustomerId=A2KEKKJ9CAC2KC
&ResponseGroup=CustomerReviews
```

EditorialReview Response Group

Description

The EditorialReview response group provides Amazon's editorial review of the product, if it exists, for each item in the response. Amazon's editorial review is typically labeled as the Product Description on Amazon detail pages.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0KY242T8ZPKCPH7YNKQG</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="B000080E6I"/>
      <Argument Name="ResponseGroup" Value="EditorialReview"/>
      <Argument Name="Operation" Value="ItemLookup"/>
    </Arguments>
  </OperationRequest>
  <Items>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Item>
      <ASIN>B000080E6I</ASIN>
      <EditorialReviews>
        <EditorialReview>
          <Source>Amazon.com Review</Source>
          <Content>Canon's PowerShot range of cameras has always been strong, and the PowerShot 400 continues that tradition. The 4 Megapixel Canon PowerShot S400 digital camera is capable of taking still images at 2,272 x 1,704 pixels--enough for a good quality A4 print. Resolutions go down to 640 x 480 for images you might only want to look at digitally. You can also capture video at 320 x 240 and 160 x 120 pixels.
          <p> The camera is very small indeed--smaller than earlier PowerShot models, and is easily pocket sized. There is what at first might seem a bewildering array of buttons around the casing, but in fact these provide excellent one-button-press access to most of the most used features, such as the 3x optical zoom which goes up to 11x when combined with digital zoom features, the macro mode, settings for the flash and self timer. For more advanced features like changing the shutter speed, which it is great to be able to do on a digital camera; you do need to delve into the LED a little further, though.
          <p> Images are stored on CompactFlash card--the largest image can be a couple of MB in size so you'll need to think big when it comes to CF card size with this camera. The battery is removable, and a spare to carry in the pocket might be a good idea.
          <p> Canon supplies a range of desktop software for viewing, editing and making use of your digital images. As with previous PowerShot cameras, one of the tools works with the Stitch Assist mode on the camera itself in the production of panorama shots. Digital cameras get more advanced all the time, but we dare to say that the PowerShot S400 is probably the best pocket sized digital camera we've seen. <I>--Sandra
```

Vogel, Amazon.co.uk</I>
</Content>
</EditorialReview>
<EditorialReview>
<Source>Amazon.com Product Description</Source>
<Content>The newest Digital Elph in the Canon's PowerShot line, the compact S400--the successor to the popular S200, S230, and S330 models--is both elegant and powerful. It features a 4-megapixel sensor, 3x optical zoom, an improved 3.6x digital zoom, and movie mode for videos of up to three minutes. A stainless steel shell protects the camera, while a new finish--Super Hard Cerabrite--mixes metals and ceramics to produce a tough cool-toned exterior that is visually stunning.<p>Optics and Resolution
Featuring a 4.0-megapixel CCD sensor, the PowerShot S400 delivers a wide range of detail and color (with images up to 2,272 x 1,704 pixels) and prints beyond 11 by 14 inches. Canon's high-quality 3x optical zoom lens (36-108mm, f/2.8-4.9) allows you to close in on the action, while the 3.6x digital zoom allows for a combined 10.8x zoom letting you capture intimate details that might have been missed with another camera.<p>The PowerShot S400 also features Canon's nine-point AiAF (Artificial intelligence Auto Focus) system for focusing accuracy, shutter speeds of 15 to 1/2,000 second, and fast sequence shooting at a rate of 2.5 frames per second (fps).<p>Movie Mode
Shoot up to three minutes of MPEG video at resolutions up to 320 x 240 pixels with sound, editing controls, and VCR-like playback. The movies aren't camcorder quality, but they're fun and convenient, and they're perfect as e-mail attachments. The camera can also attach voice memos or sound files of up to 60 seconds to each image.<p>More Features
You can select from evaluative, center-weighted, and spot-metering modes depending on the subject matter, and can even choose to set shutter speeds and apertures manually. An ISO range of 50 to 400 ensures practical shutter speeds in a wide variety of lighting situations, while a multifunctional, built-in flash offers a maximum reach of 3.5 meters in Auto ISO mode.<p>Canon's DIGIC (DIGital Imaging Core) processor ensures excellent color rendition and white balance for every shot, as well as super-fast auto focusing, noise-free imaging, and advanced flash exposure performance.<p> 1.5-inch TFT (transreflective) LCD monitor. Built-in flash with auto, on, off, manual, slow-synch, and red-eye reduction modes. Shot modes include manual, auto, and stitch assist. White balance modes include daylight, cloudy, tungsten, fluorescent, and more. Histogram display for checking exposure and contrast levels in images stored on the memory card. Built-in orientation sensor automatically rotates portrait pictures, and these images remain rotated when downloaded, saving time during in-computer image processing. <p> Storage and Transfer
 Images and video are stored on CompactFlash memory cards (Type I only) and the included 32 MB card holds approximately 27 images at the Large/Fine setting. Files can be downloaded to either a Mac or PC via USB connectivity, which means it can be connected to any USB-based Windows 98/Me/2000/XP and Mac OS 8.6 or later computer without installing any software. <p>Printing
 Canon has introduced a series of printers designed to work directly with its lineup of digital cameras. Using these printers, no computer is required--simply connect the camera to the printer and start printing. Printers include Canon's bubble

```
jet direct printers S830D and S530D, and card photo
printer CP-100. Of course, photos from your camera can also be
printed on any home computer system with
an inkjet printer, sent off for online processing, or simply
enjoyed on your computer screen.
<p> <B>Power, Size, and Contents</B><br> The camera is powered
by a rechargeable
lithium-ion battery NB-1LH (included). It measures 3.4 by 2.2
by 1.1 inches and weighs 6.5 ounces
(without battery). This package includes the PowerShot S400 di-
gital camera, 32 MB CompactFlash card,
battery and battery charger (CB-2LS), USB and AV cables, wrist
strap, and ArcSoft Camera Suite CD-ROM
and USB drivers for Windows and Mac.
</Content>
</EditorialReview>
<EditorialReview>
<Source>Product Description</Source>
<Content>The newest Digital Elph in the PowerShot line, the Power-
Shot S400 is both elegant and powerful.
It has a stylish two-tone metallic exterior that is complemen-
ted by a 4.0 Megapixel sensor, a 3x Canon Zoom
lens and a number of advanced features. Take it anywhere, it's
ready to go!See it, use it, love it. Canon
engineers turn streamlined into spectacular with PowerShot S400
Digital ELPH, creating a stunning 4.0 megapixel
digital camera that's all about breathtaking performance and
headturning good looks. Leave it to Canon to
bring you the exclusive DiGiC Imaging Processor. Cutting-edge
technology delivers enhanced picture quality,
faster processing speed and improved autofocus accuracy. All
with decreased power consumption. Imagine
DiGiC as your very own 24/7 photo whiz, and you'll get the
idea. Right from the start - even if this is your first
digital camera - you can look forward to exceptionally bril-
liant images. Pictures that capture the "WOW" of life
without missing a beat. Think of PowerShot S400 Digital ELPH as
a stylish, clever companion you always want
to have around.High Resolution Stylish Body - 4.0 Megapixel
CCDThe PowerShot S400 has a 4.0 Megapixel CCD
Sensor, which provides enough resolution to do virtually any-
thing with your photos. Whether you're printing out
poster size prints, or sharing your photos over the web, the
S400 provides the resolution you need.
</Content>
</EditorialReview>
</EditorialReviews>
</Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&IdType=ASIN
&ItemId=B000080E6I
&ResponseGroup=EditorialReview
```

Help Response Group

Description

The Help response group returns information about operations and response groups that you request information about.

If you request information about an operation (HelpType=Operation), the Help response group will return OperationName, OperationDescription, RequiredParameters, AvailableParameters, DefaultResponseGroup, and AvailableResponseGroups for the operation you specified in the About parameter.

If you request information about a response group (HelpType=ResponseGroup), the Help response group will return the response group name, its creation date, names of operations that employ the response group, available versions, and a list of the child elements composing the response group.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<HelpResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0FMMJTCM2T317QDX374Q</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="HelpType" Value="Operation"/>
      <Argument Name="About" Value="ItemSearch"/>
      <Argument Name="ResponseGroup" Value="Help"/>
      <Argument Name="Operation" Value="Help"/>
    </Arguments>
  </OperationRequest>
  <Information>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <OperationInformation>
      <Name>ItemSearch</Name>
      <RequiredParameters>
        <Parameter>SearchIndex</Parameter>
        <Parameter>SubscriptionId</Parameter>
      </RequiredParameters>
      <AvailableParameters>
        <Parameter>Actor</Parameter>
        <Parameter>Artist</Parameter>
        <Parameter>AssociateTag</Parameter>
        <Parameter>AudienceRating</Parameter>
        <Parameter>Author</Parameter>
        <Parameter>Brand</Parameter>
        <Parameter>BrowseNode</Parameter>
        <Parameter>City</Parameter>
        <Parameter>Composer</Parameter>
        <Parameter>Condition</Parameter>
        <Parameter>Conductor</Parameter>
        <Parameter>ContentType</Parameter>
        <Parameter>Cuisine</Parameter>
        <Parameter>DeliveryMethod</Parameter>
        <Parameter>Director</Parameter>
        <Parameter>ItemPage</Parameter>
        <Parameter>Keywords</Parameter>
        <Parameter>Manufacturer</Parameter>
        <Parameter>Marketplace</Parameter>
        <Parameter>MaximumPrice</Parameter>
      </AvailableParameters>
    </OperationInformation>
  </Information>
</HelpResponse>
```



```
<Parameter>MerchantId</Parameter>
<Parameter>MinimumPrice</Parameter>
<Parameter>MusicLabel</Parameter>
<Parameter>Neighborhood</Parameter>
<Parameter>Orchestra</Parameter>
<Parameter>PostalCode</Parameter>
<Parameter>Power</Parameter>
<Parameter>Publisher</Parameter>
<Parameter>Sort</Parameter>
<Parameter>State</Parameter>
<Parameter>Style</Parameter>
<Parameter>TextStream</Parameter>
<Parameter>Title</Parameter>
<Parameter>Validate</Parameter>
<Parameter>VariationPage</Parameter>
<Parameter>XMLEscaping</Parameter>
</AvailableParameters>
<DefaultResponseGroups>
  <ResponseGroup>Request</ResponseGroup>
  <ResponseGroup>Small</ResponseGroup>
</DefaultResponseGroups>
<AvailableResponseGroups>
  <ResponseGroup>Request</ResponseGroup>
  <ResponseGroup>ItemIds</ResponseGroup>
  <ResponseGroup>Small</ResponseGroup>
  <ResponseGroup>Medium</ResponseGroup>
  <ResponseGroup>Large</ResponseGroup>
  <ResponseGroup>Offers</ResponseGroup>
  <ResponseGroup>OfferFull</ResponseGroup>
  <ResponseGroup>OfferSummary</ResponseGroup>
  <ResponseGroup>VariationMinimum</ResponseGroup>
  <ResponseGroup>VariationSummary</ResponseGroup>
  <ResponseGroup>VariationImages</ResponseGroup>
  <ResponseGroup>Variations</ResponseGroup>
  <ResponseGroup>ItemAttributes</ResponseGroup>
  <ResponseGroup>Tracks</ResponseGroup>
  <ResponseGroup>Accessories</ResponseGroup>
  <ResponseGroup>EditorialReview</ResponseGroup>
  <ResponseGroup>SalesRank</ResponseGroup>
  <ResponseGroup>BrowseNodes</ResponseGroup>
  <ResponseGroup>Images</ResponseGroup>
  <ResponseGroup>Similarities</ResponseGroup>
  <ResponseGroup>Reviews</ResponseGroup>
  <ResponseGroup>ListmaniaLists</ResponseGroup>
  <ResponseGroup>SearchInside</ResponseGroup>
</AvailableResponseGroups>
</OperationInformation>
</Information>
</HelpResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=Help
&HelpType=Operation
&About=ItemSearch
&ResponseGroup=Help
```

Images Response Group

Description

The Image response group returns all available images of an item in three sizes: small, medium, and large. For example, if a blender is for sale and there are four images of it, this response group returns twelve images: four images, each in three sizes.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<SimilarityLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>1K1FB6YMW28DEDCNNA6W</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="0060006781"/>
      <Argument Name="ResponseGroup" Value="Images"/>
      <Argument Name="Operation" Value="SimilarityLookup"/>
    </Arguments>
  </OperationRequest>
  <Items>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Item>
      <ASIN>0060932902</ASIN>
      <SmallImage>
        <URL>http://images.amazon.com/images/P/0060932902.01._SCTHUMBZZZ_.jpg</URL>
        <Height>60</Height>
        <Width>39</Width>
      </SmallImage>
      <MediumImage>
        <URL>http://images.amazon.com/images/P/0060932902.01._SCMZZZZZZZ_.jpg</URL>
        <Height>140</Height>
        <Width>90</Width>
      </MediumImage>
      <LargeImage>
        <URL>http://images.amazon.com/images/P/0060932902.01._SCLZZZZZZZ_.jpg</URL>
        <Height>475</Height>
        <Width>305</Width>
      </LargeImage>
    </Item>
    <Item>
      <ASIN>0140264450</ASIN>
      <SmallImage>
        <URL>http://images.amazon.com/images/P/0140264450.01._SCTHUMBZZZ_.jpg</URL>
        <Height>60</Height>
        <Width>38</Width>
      </SmallImage>
      <MediumImage>
        <URL>http://images.amazon.com/images/P/0140264450.01._SCMZZZZZZZ_.jpg</URL>
        <Height>140</Height>
        <Width>89</Width>
      </MediumImage>
      <LargeImage>
        <URL>http://images.amazon.com/images/P/0140264450.01._SCLZZZZZZZ_.jpg</URL>
        <Height>475</Height>
        <Width>303</Width>
      </LargeImage>
    </Item>
  </Items>
</SimilarityLookupResponse>
```

```
<ASIN>0060556579</ASIN>
<SmallImage>
<URL>http://images.amazon.com/images/P/0060556579.01._SCTHUMBZZZ_.jpg</URL>
  <Height>60</Height>
  <Width>39</Width>
</SmallImage>
<MediumImage>
<URL>http://images.amazon.com/images/P/0060556579.01._SCMZZZZZZZ_.jpg</URL>
  <Height>140</Height>
  <Width>92</Width>
</MediumImage>
<LargeImage>
<URL>http://images.amazon.com/images/P/0060556579.01._SCLZZZZZZZ_.jpg</URL>
  <Height>475</Height>
  <Width>312</Width>
</LargeImage>
</Item>
<Item>
  <ASIN>0670031518</ASIN>
  <SmallImage>
<URL>http://images.amazon.com/images/P/0670031518.01._SCTHUMBZZZ_.jpg</URL>
  <Height>60</Height>
  <Width>35</Width>
</SmallImage>
<MediumImage>
<URL>http://images.amazon.com/images/P/0670031518.01._SCMZZZZZZZ_.jpg</URL>
  <Height>140</Height>
  <Width>81</Width>
</MediumImage>
<LargeImage>
<URL>http://images.amazon.com/images/P/0670031518.01._SCLZZZZZZZ_.jpg</URL>
  <Height>475</Height>
  <Width>275</Width>
</LargeImage>
</Item>
<Item>
  <ASIN>0618335404</ASIN>
  <SmallImage>
<URL>http://images.amazon.com/images/P/0618335404.01._SCTHUMBZZZ_.jpg</URL>
  <Height>60</Height>
  <Width>40</Width>
</SmallImage>
<MediumImage>
<URL>http://images.amazon.com/images/P/0618335404.01._SCMZZZZZZZ_.jpg</URL>
  <Height>140</Height>
  <Width>93</Width>
</MediumImage>
<LargeImage>
<URL>http://images.amazon.com/images/P/0618335404.01._SCLZZZZZZZ_.jpg</URL>
  <Height>475</Height>
  <Width>314</Width>
</LargeImage>
</Item>
<Item>
  <ASIN>0465044050</ASIN>
  <SmallImage>
<URL>http://images.amazon.com/images/P/0465044050.01._SCTHUMBZZZ_.jpg</URL>
  <Height>60</Height>
  <Width>40</Width>
</SmallImage>
<MediumImage>
<URL>http://images.amazon.com/images/P/0465044050.01._SCMZZZZZZZ_.jpg</URL>
  <Height>140</Height>
  <Width>93</Width>
</MediumImage>
<LargeImage>
<URL>http://images.amazon.com/images/P/0465044050.01._SCLZZZZZZZ_.jpg</URL>
  <Height>475</Height>
  <Width>317</Width>
</LargeImage>
</Item>
</Item>
```

```
<ASIN>0670031860</ASIN>
<SmallImage>
<URL>http://images.amazon.com/images/P/0670031860.01._SCTHUMBZZZ_.jpg</URL>
  <Height>60</Height>
  <Width>41</Width>
</SmallImage>
<MediumImage>
<URL>http://images.amazon.com/images/P/0670031860.01._SCMZZZZZZZ_.jpg</URL>
  <Height>140</Height>
  <Width>96</Width>
</MediumImage>
<LargeImage>
<URL>http://images.amazon.com/images/P/0670031860.01._SCLZZZZZZZ_.jpg</URL>
  <Height>475</Height>
  <Width>325</Width>
</LargeImage>
</Item>
<Item>
  <ASIN>0192860925</ASIN>
  <SmallImage>
<URL>http://images.amazon.com/images/P/0192860925.01._SCTHUMBZZZ_.jpg</URL>
  <Height>60</Height>
  <Width>40</Width>
</SmallImage>
<MediumImage>
<URL>http://images.amazon.com/images/P/0192860925.01._SCMZZZZZZZ_.jpg</URL>
  <Height>140</Height>
  <Width>92</Width>
</MediumImage>
<LargeImage>
<URL>http://images.amazon.com/images/P/0192860925.01._SCLZZZZZZZ_.jpg</URL>
  <Height>475</Height>
  <Width>313</Width>
</LargeImage>
</Item>
<Item>
  <ASIN>0393318486</ASIN>
  <SmallImage>
<URL>http://images.amazon.com/images/P/0393318486.01._SCTHUMBZZZ_.jpg</URL>
  <Height>60</Height>
  <Width>39</Width>
</SmallImage>
<MediumImage>
<URL>http://images.amazon.com/images/P/0393318486.01._SCMZZZZZZZ_.gif</URL>
  <Height>140</Height>
  <Width>92</Width>
</MediumImage>
<LargeImage>
<URL>http://images.amazon.com/images/P/0393318486.01._SCLZZZZZZZ_.gif</URL>
  <Height>475</Height>
  <Width>312</Width>
</LargeImage>
</Item>
<Item>
  <ASIN>0375415467</ASIN>
  <SmallImage>
<URL>http://images.amazon.com/images/P/0375415467.01._SCTHUMBZZZ_.jpg</URL>
  <Height>60</Height>
  <Width>47</Width>
</SmallImage>
<MediumImage>
<URL>http://images.amazon.com/images/P/0375415467.01._SCMZZZZZZZ_.jpg</URL>
  <Height>140</Height>
  <Width>110</Width>
</MediumImage>
<LargeImage>
<URL>http://images.amazon.com/images/P/0375415467.01._SCLZZZZZZZ_.jpg</URL>
  <Height>475</Height>
  <Width>374</Width>
</LargeImage>
</Item>
</Items>
```

```
</SimilarityLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=SimilarityLookup
&ItemId=0060006781
&ResponseGroup=Images
```

ItemAttributes Response Group

Description

The ItemAttributes response group returns the Manufacturer's Product Number (MPN) and provides information about each item in the response that is unique to the item's product category (Books, DVD, Electronics, Apparel, etc.) The MPN number is tagged with <MPN>.

For example, if an item is in the Computer product category, Amazon Web Services (AWS) will return BatteryType, CaseType, CdRwDescription, etc. (if these values are available for the item). If a response contains products that span product categories, this response group will return a different set of elements for each product in the response.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0NSJAG4Y97K07K4SFJX0</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="B000080E6I"/>
      <Argument Name="ResponseGroup" Value="ItemAttributes"/>
      <Argument Name="Operation" Value="ItemLookup"/>
    </Arguments>
  </OperationRequest>
  <Items>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Item>
      <ASIN>B000080E6I</ASIN>
      <ItemAttributes>
        <Feature>4.0 megapixel sensor captures enough detail to create photo-quality prints up to 11 x 14</Feature>
        <Feature>3x optical zoom and 3.6x digital zoom (10.8x total)</Feature>
        <Feature>Stainless steel shell; up to 3 minutes of video with sound</Feature>
```

```
<Feature>Compatible with CompactFlash Type I cards; 32 MB card in-
cluded</Feature>
<Feature>Powered by rechargeable lithium-ion battery (NB-1LH ); con-
nects to PCs and Macs via USB 1.1</Feature>
<ItemDimensions>
  <Height Units="hundredths-inches">224</Height>
  <Length Units="hundredths-inches">109</Length>
  <Weight Units="hundredths-pounds">41</Weight>
  <Width Units="hundredths-inches">343</Width>
</ItemDimensions>
<ListPrice>
  <Amount>44999</Amount>
  <CurrencyCode>USD</CurrencyCode>
  <FormattedPrice>$449.99</FormattedPrice>
</ListPrice>
<Manufacturer>Canon Cameras US</Manufacturer>
<NumberOfItems>1</NumberOfItems>
<PackageDimensions>
  <Height Units="hundredths-inches">320</Height>
  <Length Units="hundredths-inches">980</Length>
  <Weight Units="hundredths-pounds">260</Weight>
  <Width Units="hundredths-inches">660</Width>
</PackageDimensions>
<ProductGroup>Photography</ProductGroup>
<Title>Canon PowerShot S400 4MP Digital Camera w/ 3x Optical
Zoom</Title>
<UPC>013803023961</UPC>
<Weight Units="pounds">0.41</Weight>
<Width Units="inches">3.43</Width>
</ItemAttributes>
</Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&ItemId=B000080E6I
&ResponseGroup=ItemAttributes
```

ItemIds Response Group

Description

The ItemIds response group provides the ASIN for every item in the response to ItemLookup and SimilarityLookup operations. For ItemSearch, it also provides the total number of items and the total number of pages.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<SimilarityLookupResponse xm-
lns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
```

```
<Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Win-
dows NT 5.1)"/>
</HTTPHeaders>
<RequestId>018R4W0A19P3WPGEW54H</RequestId>
<Arguments>
  <Argument Name="Service" Value="AWSECommerceService"/>
  <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
  <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
  <Argument Name="ItemId" Value="0060006781"/>
  <Argument Name="ResponseGroup" Value="ItemIds"/>
  <Argument Name="Operation" Value="SimilarityLookup"/>
</Arguments>
</OperationRequest>
<Items>
  <Request>
    <IsValid>True</IsValid>
  </Request>
  <Item>
    <ASIN>0060932902</ASIN>
  </Item>
  <Item>
    <ASIN>0140264450</ASIN>
  </Item>
  <Item>
    <ASIN>0060556579</ASIN>
  </Item>
  <Item>
    <ASIN>0670031518</ASIN>
  </Item>
  <Item>
    <ASIN>0618335404</ASIN>
  </Item>
  <Item>
    <ASIN>0465044050</ASIN>
  </Item>
  <Item>
    <ASIN>0670031860</ASIN>
  </Item>
  <Item>
    <ASIN>0192860925</ASIN>
  </Item>
  <Item>
    <ASIN>0393318486</ASIN>
  </Item>
  <Item>
    <ASIN>0375415467</ASIN>
  </Item>
</Items>
</SimilarityLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=SimilarityLookup
&ItemId=0060006781
&ResponseGroup=ItemIds
```

Large Response Group

Description

The Large response group is a parent response group that returns the contents of the Medium, Tracks, BrowseNodes, Reviews, ListmaniaLists, Similarities, Offers, and Accessories data. The Large response group is ideally suited to building product detail pages similar to those found on any Amazon website.

Large Includes the Following Response Groups

- *Medium*
- *Tracks*
- *BrowseNodes*
- *Reviews*
- *ListmaniaLists*
- *Similarities*
- *Offers*
- *Accessories*

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0PQ4KK4R9KY74C16YQDJ</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="B000080E6I"/>
      <Argument Name="ResponseGroup" Value="Large"/>
      <Argument Name="Operation" Value="ItemLookup"/>
    </Arguments>
  </OperationRequest>
  <Items>
    <Request>
      <IsValid>True</IsValid>
      <ItemLookupRequest>
        <ItemId>B000080E6I</ItemId>
        <ResponseGroup>Large</ResponseGroup>
      </ItemLookupRequest>
    </Request>
    <Item>
      <ASIN>B000080E6I</ASIN>
      <DetailPageURL>http://www.amazon.com/gp/redirect.html?location=/exec/obidos/ASIN/B000080E6I/[Your Associate ID Here]%3FAWSAccessKeyId=[Your Access Key ID Here]%26camp=2025%26link_code=xml2</DetailPageURL>
      <SalesRank>5,611</SalesRank>
      <SmallImage>
        <URL>http://images.amazon.com/images/P/B000080E6I.01._SCTHUMBZZZ_.jpg</URL>
        <Height>41</Height>
        <Width>60</Width>
      </SmallImage>
      <MediumImage>
        <URL>http://images.amazon.com/images/P/B000080E6I.01._SCMZZZZZZZ_.jpg</URL>
        <Height>101</Height>
        <Width>150</Width>
      </MediumImage>
    </Item>
  </Items>
</ItemLookupResponse>
```



```
<LargeImage>
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  <Feature>4.0 megapixel sensor captures enough detail to create photo-
quality prints up to 11 x 14</Feature>
  <Feature>3x optical zoom and 3.6x digital zoom (10.8x
total)</Feature>
  <Feature>Stainless steel shell; up to 3 minutes of video with
sound</Feature>
  <Feature>Compatible with CompactFlash Type I cards; 32 MB card in-
cluded</Feature>
  <Feature>Powered by rechargeable lithium-ion battery (NB-1LH ); con-
nects to PCs and Macs via USB 1.1</Feature>
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    </Merchant>
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```

```
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  <Date>2003-04-07</Date>
  <Summary>The most powerful compact digital camera out
there?</Summary>
  <Content>Canon's S400 is the second 4 MegaPixel compact digicam
from a major manufacturer on the market (I consider Minolta's F100 the
first). Overall, the S400 is a winner for anyone looking for a basic point-
and-shoot digital camera with a few added picture modes. While the overall
build quality of the S400 is slightly inferior to Canon's 3MP S230 camera...
the bevy of features compensates for this.<P>On the plus side is the 4 Mega-
Pixel photo capture, 3x OPTICAL Zoom (which is way more important than what
level of digital zoom it has), built-in speaker and microphone, 9 point Auto-
Focus system, improved user interface with the new FUNC button, DIGIC image
processor which speeds up photo capture and improves photo quality, improved
battery life over the older Canon digital ELPH even the S230 camera, up to 3
minutes of movie capture in various resolutions, and voice annotations on
photos. All of this in a camera that fits into your shirt pocket. You also
have a few manual settings if you desire with manual exposure control, white
balance (with several preset values), some photo effects (sepia shots, B&W,
motion blur), and long shutter settings to name several user adjustable set-
tings.<P>On the minus side, battery life is somewhat short (150-170 in my use
on a full charge), the flash is weak especially for low light and nighttime
shots, you often will get red eye in your flash shots even with the red eye
reduction (although it is greatly reduced), the off-center tripod hole makes
it more difficult to have stitched photos, the limited manual controls versus
other cameras in this price range, and the price of the camera.<P>Overall,
this a great compact digital camera best for vacationing and those who need
an easy to carry camera with little operating hassle. If you desire more
manual features and professional level features, look at Canon's S45 4MP di-
gital camera with is the same price as the S400.</Content>
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  <Date>2004-01-16</Date>
  <Summary>Best Value Period - Ultra compact digital camera</Summary>
  <Content>... this camera is the best compact digital on the mar-
ket.<P>Sure, there are 5 megapixel compact cameras out now, but the cost is
still too high. 4mp resolution makes great 8x10 prints, and lab-quality at
4x6 and 5x7.<P>The combination if its tiny size, beautiful results, and styl-
ish design is unbeatable at the current prices. I take it everywhere and
hardly notice it. It's like carrying a deck of cards in my pocket. Most good
hi-res digital cameras are much bulkier.<P>Compact Flash memory is really,
really cheap now. Buy a 512mb card and never worry about storage.<P>3X optic-
al zoom is wonderful.<P>If you don't have a digital camera, or want a top-
quality unit, you really owe it to yourself to check out the S400.<P>Auto
white balance, auto exposure, and auto focus help the least savvy techno-
phobes take outstanding photos.<P>Flash is surprisingly effective in dark
rooms.<P>Lithium-ion battery lasts a long time and charges quickly. Who needs
rechargeable AA batteries when this battery is so good? Prices on Canon bat-
teries are also down, so buy a spare.<P>The video out cable is nice for pre-
viewing pictures on a TV, but I usually use the computer for viewing pho-
tos.<P>Bundled software does the basic image editing. You'll want to go with
Photoshop Elements 2 or Paint Shop Pro ... for serious editing and enhanced
capabilities.</Content>
</Review>
<Review>
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  <Rating>5</Rating>
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  <TotalVotes>0</TotalVotes>
  <Date>2004-07-13</Date>
  <Summary>It might be your memory cards</Summary>
  <Content>Not all memory cards work well with all cameras. I tried
```

```
to use a Viking card with my Canon s230, and got the E18 error mentioned
here. As soon as I swapped my SanDisk back in, the problem was gone forever.
I think sending the memory card back was a much better and cheaper solution
than ditching an excellent camera.</Content>
</Review>
<Review>
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  <Date>2004-07-13</Date>
  <Summary>Ideal size and function</Summary>
  <Content>I bought this a few months ago and wanted to wait until I
had used it sufficiently. It's great. Whether alone in your pocket or inside
the thin leather case (the Canon velcro one is nice), it takes up as much
space as a pack of cigarettes or a thick wallet. Super easy to take out, turn
on, point, shoot, turn off, and put back in your pocket, all in under 30
seconds. I've taken it on several trips including London where it was great
to not look like a tourist, lugging a neckstrapped telephoto around town. And
it couldn't be easier to get them onto your PC. I love it and wish I'd bought
it sooner.</Content>
</Review>
<Review>
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  <Rating>5</Rating>
  <HelpfulVotes>0</HelpfulVotes>
  <TotalVotes>0</TotalVotes>
  <Date>2004-06-26</Date>
  <Summary>Great camera</Summary>
  <Content>This is a beautiful small camera that takes great pictures
and has all the features most of us photo snappers need. The dials are
fairly intuitive to use and the 3X zoom comes in handy. The negative is that
battery life is relatively short. I would recommend a spare battery to be
able to keep shooting if the battery runs out. Also, now that the price of
the CF memory chip has decreased a great deal, I would recommend at least a
256 mB memory card.</Content>
</Review>
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  <EditorialReview>Canon's PowerShot range of cameras has always been
strong, and the PowerShot 400 continues that tradition. The 4 Megapixel Canon
PowerShot S400 digital camera is capable of taking still images at 2,272 x
1,704 pixels--enough for a good quality A4 print. Resolutions go down to 640
x 480 for images you might only want to look at digitally. You can also capture
video at 320 x 240 and 160 x 120 pixels. <p> The camera is very small
indeed--smaller than earlier PowerShot models, and is easily pocket sized.
There is what at first might seem a bewildering array of buttons around the
casing, but in fact these provide excellent one-button-press access to most
of the most used features, such as the 3x optical zoom which goes up to 11x
when combined with digital zoom features, the macro mode, settings for the
flash and self timer. For more advanced features like changing the shutter
speed, which it is great to be able to do on a digital camera; you do need to
delve into the LED a little further, though. <p> Images are stored on Com-
pactFlash card--the largest image can be a couple of MB in size so you'll
need to think big when it comes to CF card size with this camera. The battery
is removable, and a spare to carry in the pocket might be a good idea. <p>
Canon supplies a range of desktop software for viewing, editing and making
use of your digital images. As with previous PowerShot cameras, one of the
tools works with the Stitch Assist mode on the camera itself in the produc-
tion of panorama shots. Digital cameras get more advanced all the time, but
we dare to say that the PowerShot S400 is probably the best pocket sized dig-
ital camera we've seen. <I>--Sandra Vogel,
Amazon.co.uk</I></EditorialReview>
</EditorialReviews>
<EditorialReviews>
  <EditorialReview>The newest Digital Elph in the PowerShot line, the
PowerShot S400 is both elegant and powerful. It has a stylish two-tone metal-
lic exterior that is complemented by a 4.0 Megapixel sensor, a 3x Canon Zoom
lens and a number of advanced features. Take it anywhere, it's ready to
go!See it, use it, love it. Canon engineers turn streamlined into spectacular
with PowerShot S400 Digital ELPH, creating a stunning 4.0 megapixel digital
camera that's all about breathtaking performance and headturning good looks.
```

Leave it to Canon to bring you the exclusive DiGiC Imaging Processor. Cutting-edge technology delivers enhanced picture quality, faster processing speed and improved autofocus accuracy. All with decreased power consumption. Imagine DiGiC as your very own 24/7 photo whiz, and you'll get the idea. Right from the start - even if this is your first digital camera - you can look forward to exceptionally brilliant images. Pictures that capture the "WOW" of life without missing a beat. Think of PowerShot S400 Digital ELPH as a stylish, clever companion you always want to have around. High Resolution Stylish Body - 4.0 Megapixel CCD The PowerShot S400 has a 4.0 Megapixel CCD Sensor, which provides enough resolution to do virtually anything with your photos. Whether you're printing out poster size prints, or sharing your photos over the web, the S400 provides the resolution you need.

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    <ListId>1P2AXDYMTUR36</ListId>
    <ListName>These Are a Few of My Favorite Things</ListName>
  </ListmaniaList>
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</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&ItemId=B000080E6I
&ResponseGroup=Large
```

ListFull Response Group

Description

The ListFull response group is a parent response group that returns the contents of the ListInfo and ListItems response groups. It provides all of the data necessary to display information about an Amazon wish list or Listmania list and its contents.

ListFull Includes the Following Response Groups

- *ListInfo*
- *ListItems*

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ListLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>03EHZR9F84JCPFHCWNCZ</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ListId" Value="2WYHF5M2L9142"/>
      <Argument Name="ResponseGroup" Value="ListFull"/>
      <Argument Name="ListType" Value="Listmania"/>
      <Argument Name="Operation" Value="ListLookup"/>
    </Arguments>
  </OperationRequest>
  <Lists>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <List>
      <ListId>2WYHF5M2L9142</ListId>
      <ListName>Popular Christmas Books For Young and Old</ListName>
      <ListType>Listmania</ListType>
      <TotalItems>25</TotalItems>
      <TotalPages>3</TotalPages>
    </List>
  </Lists>
</ListLookupResponse>
```

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  <Item>
    <ASIN>0689838999</ASIN>
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      <Title>The Night Before Christmas Pop-up</Title>
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  <Item>
    <ASIN>0064402754</ASIN>
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    <ASIN>074347628X</ASIN>
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tion</Title>
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Art</Title>
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2L9142</ListURL>
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</Lists>
</ListLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ListLookup
&ListType=Listmania
&ListId=2WYHF5M2L9142
&ResponseGroup=ListFull
```

ListInfo Response Group

Description

The ListInfo response group is a parent response group that returns the contents of the ListMinimum response group plus information about the list creator, the list's creation date, the list type (WishList, BabyRegistry, etc.), the number of items in the list, the number of pages in the list, and when the list was last modified.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ListLookupResponse xm-
lns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
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dows NT 5.1)"/>
    </HTTPHeaders>
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    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ListId" Value="2WYHF5M2L9142"/>
      <Argument Name="ResponseGroup" Value="ListInfo"/>
      <Argument Name="ListType" Value="Listmania"/>
      <Argument Name="Operation" Value="ListLookup"/>
    </Arguments>
```

```
</OperationRequest>
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  </Request>
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    <ListURL>
      ht-
      tp://www.amazon.com/exec/obidos/tg/listmania/list-browse/-/2WYHF5M2L9142
    </ListURL>
    <ListName>Popular Christmas Books For Young and Old</ListName>
    <ListType>Listmania</ListType>
    <TotalItems>25</TotalItems>
    <TotalPages>3</TotalPages>
  </List>
</Lists>
</ListLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ListLookup
&ListType=Listmania
&ListId=2WYHF5M2L9142
&ResponseGroup=ListInfo
```

ListItems Response Group

Description

The ListItems response group is a parent response group that returns the contents of the ListMinimum response group plus general item-level data, such as the ASIN, product title, and customer's comments associated with each item in the list.

ListItems Includes the Following Response Groups

- *ListMinimum*

REST Sample Response and Request

Sample Response (REST)

```
<ListLookupResponse>
  <OperationRequest>
    <RequestId>0GDZBJNHJ4HFSD07YN4G</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="ListId" Value="2WYHF5M2L9142"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]">
      <Argument Name="ResponseGroup" Value="ListItems"/>
      <Argument Name="ListType" Value="WishList"/>
      <Argument Name="Operation" Value="ListLookup"/>
    </Arguments>
    <RequestProcessingTime>0.170286893844604</RequestProcessingTime>
```

```
</OperationRequest>
<Lists>
  <Request>
    <IsValid>True</IsValid>
    <ListLookupRequest>
      <ListId>3ETY5332T3VNP</ListId>
      <ListType>WishList</ListType>
      <ResponseGroup>ListItems</ResponseGroup>
    </ListLookupRequest>
  </Request>
  <List>
    <TotalPages>1</TotalPages>
    <ListItem>
      <ListItemId>I37ZQUEPS843NN</ListItemId>
      <DateAdded>2006-03-08</DateAdded>
      <QuantityDesired>1</QuantityDesired>
      <QuantityReceived>0</QuantityReceived>
      <Item>
        <ASIN>B00007ELEL</ASIN>
        <ItemAttributes>
          <Title>The Big Lebowski</Title>
        </ItemAttributes>
      </Item>
    </ListItem>
    <ListItem>
      <ListItemId>I1XV3J4H2Y32XI</ListItemId>
      <DateAdded>2006-03-08</DateAdded>
      <QuantityDesired>1</QuantityDesired>
      <QuantityReceived>0</QuantityReceived>
      <Item>
        <ASIN>B00074Z9OQ</ASIN>
        <ItemAttributes>
          <Title>Apple iPod Shuffle Sport Case M9758G/A</Title>
        </ItemAttributes>
      </Item>
    </ListItem>
    <ListItem>
      <ListItemId>I2WLOEGV LXZUU</ListItemId>
      <DateAdded>2006-03-08</DateAdded>
      <QuantityDesired>1</QuantityDesired>
      <QuantityReceived>0</QuantityReceived>
      <Item>
        <ASIN>B0002ZAILY</ASIN>
        <ItemAttributes>
          <Title>Apple 512 MB iPod Shuffle MP3 Player M9724LL/A</Title>
        </ItemAttributes>
      </Item>
    </ListItem>
  </List>
</Lists>
</ListLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ListLookup
&ListType=WishList
&ListId=2WYHF5M2L9142
&ResponseGroup=ListItems
```

ListmaniaLists Response Group

Description

The ListmaniaLists response group provides the Listmania list IDs and list names for each list returned.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0D48QSH3HZ9PF8X25AYK</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="6305537321"/>
      <Argument Name="ResponseGroup" Value="ListmaniaLists"/>
      <Argument Name="Operation" Value="ItemLookup"/>
    </Arguments>
  </OperationRequest>
  <Items>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Item>
      <ASIN>6305537321</ASIN>
      <ListmaniaLists>
        <ListmaniaList>
          <ListId>370EPKFPULJMF</ListId>
          <ListName>25 movies worth owning</ListName>
        </ListmaniaList>
        <ListmaniaList>
          <ListId>HX1N3GWW3J3E</ListId>
          <ListName>My favorite movies of all time</ListName>
        </ListmaniaList>
        <ListmaniaList>
          <ListId>2D8ACIUIKLQGA</ListId>
          <ListName>My Favorite "Romantic" Moives</ListName>
        </ListmaniaList>
        <ListmaniaList>
          <ListId>1KHG57IY74FAZ</ListId>
          <ListName>FILMs</ListName>
        </ListmaniaList>
        <ListmaniaList>
          <ListId>20KBL2EUVDD61</ListId>
          <ListName>Stuff that makes me smile on a cloudy day</ListName>
        </ListmaniaList>
        <ListmaniaList>
          <ListId>3UTZ3B22Y2E2X</ListId>
          <ListName>Films I Adore</ListName>
        </ListmaniaList>
        <ListmaniaList>
          <ListId>2XPIZW5YR0FGQ</ListId>
          <ListName>Best New York Movies</ListName>
        </ListmaniaList>
        <ListmaniaList>
          <ListId>3IZLUIMU5YJII</ListId>
          <ListName>Memorable Films Of 1961 (Part 1)</ListName>
        </ListmaniaList>
        <ListmaniaList>
          <ListId>312S0LBSU6QRR</ListId>
```

```
<ListName>"Movies you can't tell the Guys you love"</ListName>
</ListmaniaList>
<ListmaniaList>
  <ListId>3D4ZVGPBFVG0V</ListId>
  <ListName>Still Funny Greats</ListName>
</ListmaniaList>
</ListmaniaLists>
</Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&ItemId=6305537321
&ResponseGroup=ListmaniaLists
```

ListMinimum Response Group

Description

The ListMinimum response group provides the list IDs for each list returned.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ListSearchResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>171Y49VX8YA8R3CKZDXX</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ResponseGroup" Value="ListMinimum"/>
      <Argument Name="Name" Value="Fred Smith"/>
      <Argument Name="ListType" Value="WishList"/>
      <Argument Name="Operation" Value="ListSearch"/>
    </Arguments>
  </OperationRequest>
  <Lists>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <TotalResults>76</TotalResults>
    <TotalPages>8</TotalPages>
    <List>
      <ListId>39ZYY400UQY2L</ListId>
    </List>
    <List>
      <ListId>3GKIZCP2JMTZT</ListId>
```

```
</List>
<List>
  <ListId>2CQQERRGX0GHH</ListId>
</List>
<List>
  <ListId>E42RKJWERLEX</ListId>
</List>
<List>
  <ListId>DRLKV4IEQDWN</ListId>
</List>
<List>
  <ListId>1EKKXYDEA3E69</ListId>
</List>
<List>
  <ListId>16RL8SF6ARR78</ListId>
</List>
<List>
  <ListId>271410NER268W</ListId>
</List>
<List>
  <ListId>30G03ZIW3IT</ListId>
</List>
<List>
  <ListId>1OM7SV07WI1YC</ListId>
</List>
</Lists>
</ListSearchResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ListSearch
&ListType=WishList
&Name=Fred%20Smith
&ResponseGroup=ListMinimum
```

Medium Response Group

Description

The Medium response group is a parent response group that returns the contents of the Small, Request, ItemAttributes, OfferSummary, SalesRank, EditorialReview, and Images response groups. The Medium response group is ideal for building lightweight product detail pages.

Medium Includes the Following Response Groups

- *Small*
- *Request*
- *ItemAttributes*
- *OfferSummary*
- *SalesRank*
- *EditorialReview*
- *Images*

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0ZTQ1B2PX4YPEKQMW8Y0</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="B000080E6I"/>
      <Argument Name="ResponseGroup" Value="Medium"/>
      <Argument Name="Operation" Value="ItemLookup"/>
    </Arguments>
  </OperationRequest>
  <Items>
    <Request>
      <IsValid>True</IsValid>
      <ItemLookupRequest>
        <ItemId>B000080E6I</ItemId>
        <ResponseGroup>Medium</ResponseGroup>
      </ItemLookupRequest>
    </Request>
    <Item>
      <ASIN>B000080E6I</ASIN>
      <DetailPageURL>http://www.amazon.com/gp/redirect.html?location=/exec/obidos/A
      SIN/B000080E6I/[Your Associate ID Here]%3FAWSAccessKeyId=[Your Access Key ID
      Here]%26camp=2025%26link_code=xml2</DetailPageURL>
      <SalesRank>5,611</SalesRank>
      <SmallImage>
        <URL>http://images.amazon.com/images/P/B000080E6I.01._SCTHUMBZZZ_.jpg</URL>
        <Height>41</Height>
        <Width>60</Width>
      </SmallImage>
      <MediumImage>
        <URL>http://images.amazon.com/images/P/B000080E6I.01._SCMZZZZZZZ_.jpg</URL>
        <Height>101</Height>
        <Width>150</Width>
      </MediumImage>
      <LargeImage>
        <URL>http://images.amazon.com/images/P/B000080E6I.01._SCLZZZZZZZ_.jpg</URL>
        <Height>335</Height>
        <Width>500</Width>
      </LargeImage>
      <ItemAttributes>
        <Feature>4.0 megapixel sensor captures enough detail to create photo-
        quality prints up to 11 x 14</Feature>
        <Feature>3x optical zoom and 3.6x digital zoom (10.8x
        total)</Feature>
        <Feature>Stainless steel shell; up to 3 minutes of video with
        sound</Feature>
        <Feature>Compatible with CompactFlash Type I cards; 32 MB card in-
        cluded</Feature>
        <Feature>Powered by rechargeable lithium-ion battery (NB-1LH ); con-
        nects to PCs and Macs via USB 1.1</Feature>
        <Height Units="inches">2.24</Height>
        <Length Units="inches">1.09</Length>
        <ListPrice>
          <Amount>44999</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$449.99</FormattedPrice>
        </ListPrice>
      </ItemAttributes>
    </Item>
  </Items>
</ItemLookupResponse>
```

```
</ListPrice>
<Manufacturer>Canon Cameras US</Manufacturer>
<NumberOfItems>1</NumberOfItems>
<ProductGroup>Photography</ProductGroup>
<Title>Canon PowerShot S400 4MP Digital Camera w/ 3x Optical
Zoom</Title>
<UPC>013803023961</UPC>
<Weight Units="pounds">0.41</Weight>
<Width Units="inches">3.43</Width>
</ItemAttributes>
<OfferSummary>
  <LowestUsedPrice>
    <Amount>30000</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$300.00</FormattedPrice>
  </LowestUsedPrice>
  <LowestRefurbishedPrice>
    <Amount>32500</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$325.00</FormattedPrice>
  </LowestRefurbishedPrice>
  <TotalNew>0</TotalNew>
  <TotalUsed>5</TotalUsed>
  <TotalCollectible>0</TotalCollectible>
  <TotalRefurbished>1</TotalRefurbished>
</OfferSummary>
<EditorialReviews>
  <EditorialReview>Canon's PowerShot range of cameras has always been
strong, and the PowerShot 400 continues that tradition. The 4 Megapixel Canon
PowerShot S400 digital camera is capable of taking still images at 2,272 x
1,704 pixels--enough for a good quality A4 print. Resolutions go down to 640
x 480 for images you might only want to look at digitally. You can also cap-
ture video at 320 x 240 and 160 x 120 pixels. <p> The camera is very small
indeed--smaller than earlier PowerShot models, and is easily pocket sized.
There is what at first might seem a bewildering array of buttons around the
casing, but in fact these provide excellent one-button-press access to most
of the most used features, such as the 3x optical zoom which goes up to 11x
when combined with digital zoom features, the macro mode, settings for the
flash and self timer. For more advanced features like changing the shutter
speed, which it is great to be able to do on a digital camera; you do need to
delve into the LED a little further, though. <p> Images are stored on Com-
pactFlash card--the largest image can be a couple of MB in size so you'll
need to think big when it comes to CF card size with this camera. The battery
is removable, and a spare to carry in the pocket might be a good idea. <p>
Canon supplies a range of desktop software for viewing, editing and making
use of your digital images. As with previous PowerShot cameras, one of the
tools works with the Stitch Assist mode on the camera itself in the produc-
tion of panorama shots. Digital cameras get more advanced all the time, but
we dare to say that the PowerShot S400 is probably the best pocket sized di-
gital camera we've seen. <I>--Sandra Vogel,
Amazon.co.uk</I></EditorialReview>
</EditorialReviews>
<EditorialReviews>
  <EditorialReview>The newest Digital Elph in the PowerShot line, the
PowerShot S400 is both elegant and powerful. It has a stylish two-tone metal-
lic exterior that is complemented by a 4.0 Megapixel sensor, a 3x Canon Zoom
lens and a number of advanced features. Take it anywhere, it's ready to
go!See it, use it, love it. Canon engineers turn streamlined into spectacular
with PowerShot S400 Digital ELPH, creating a stunning 4.0 megapixel digital
camera that's all about breathtaking performance and headturning good looks.
Leave it to Canon to bring you the exclusive DiGiC Imaging Processor. Cut-
ting-edge technology delivers enhanced picture quality, faster processing
speed and improved autofocus accuracy. All with decreased power consumption.
Imagine DiGiC as your very own 24/7 photo whiz, and you'll get the idea.
Right from the start - even if this is your first digital camera - you can
look forward to exceptionally brilliant images. Pictures that capture the
"WOW" of life without missing a beat. Think of PowerShot S400 Digital ELPH as
a stylish, clever companion you always want to have around.High Resolution
Stylish Body - 4.0 Megapixel CCDThe PowerShot S400 has a 4.0 Megapixel CCD
Sensor, which provides enough resolution to do virtually anything with your
photos. Whether you're printing out poster size prints, or sharing your pho-
tos over the web, the S400 provides the resolution you
```



```
need.</EditorialReview>
  </EditorialReviews>
</Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&ItemId=B000080E6I
&ResponseGroup=Medium
```

NewReleases Response Group

Description

The NewReleases response group displays the newly released items for a specified browsenode. BrowseNodeLookup is the only operation that can use this response group.

Availability

The NewReleases. response group is only available in the US locale.

REST Sample Response Snippet

Sample Response Snippet (REST)

```
<NewReleases>
  <NewRelease>
    <ASIN>0439784549</ASIN>
    <Title>Harry Potter and the Half-Blood Prince (Book
6)</Title>
  </NewRelease>
  <NewRelease>
    <ASIN>0743226712</ASIN>
    <Title>1776</Title>
  </NewRelease>
  <NewRelease>
    <ASIN>0060765313</ASIN>
    <Title>Trst</Title>
  </NewRelease>
  <NewRelease>
    <ASIN>006073132X</ASIN>
    <Title>This new baby product (should we restrict this to the
"clone")</Title>
  </NewRelease>
  <NewRelease>
    <ASIN>0374292884</ASIN>
    <Title>The World Is Flat: A Brief History of the Twenty-first
Century: A Look At Slugs (Sociology)</Title>
  </NewRelease>
</NewReleases>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=BrowseNodeLookup
&BrowseNodeId=20
&ResponseGroup=NewReleases
&Version=2006-03-08
&Marketplace=us
```

OfferFull Response Group

Description

The OfferFull response group is a parent response group that returns the contents of the Offers response group, plus the merchant name or seller nickname.

OfferFull Includes the Following Response Groups

- *Offers*

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0444SG88FCQ7HWHND171</RequestId>
    <Arguments>
      <Argument Name="MerchantId" Value="All"/>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="0439358078"/>
      <Argument Name="ResponseGroup" Value="OfferFull"/>
      <Argument Name="Operation" Value="ItemLookup"/>
    </Arguments>
  </OperationRequest>
  <Items>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Item>
      <ASIN>0439358078</ASIN>
      <OfferSummary>
        <LowestNewPrice>
          <Amount>514</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$5.14</FormattedPrice>
        </LowestNewPrice>
      </OfferSummary>
    </Item>
  </Items>
</ItemLookupResponse>
```

```

</LowestNewPrice>
<LowestUsedPrice>
  <Amount>525</Amount>
  <CurrencyCode>USD</CurrencyCode>
  <FormattedPrice>$5.25</FormattedPrice>
</LowestUsedPrice>
<LowestCollectiblePrice>
  <Amount>957</Amount>
  <CurrencyCode>USD</CurrencyCode>
  <FormattedPrice>$9.57</FormattedPrice>
</LowestCollectiblePrice>
<TotalNew>48</TotalNew>
<TotalUsed>46</TotalUsed>
<TotalCollectible>7</TotalCollectible>
<TotalRefurbished>0</TotalRefurbished>
</OfferSummary>
<Offers>
  <TotalOffers>48</TotalOffers>
  <TotalOfferPages>5</TotalOfferPages>
  <Offer>
    <Seller>
      <SellerId>ASYDZOX0HKBSE</SellerId>
      <Nickname>any_book</Nickname>
      <Location>
        <State>FL</State>
        <Country>United States</Country>
      </Location>
    </Seller>
    <OfferAttributes>
      <Condition>New</Condition>
      <SubCondition>new</SubCondition>
      <ConditionNote>100% Brand New! - Ships Today! Identical to
Amazon's book in every way. Flawless! Not a cheap Remainder or Book Club
Copy! *We recommend Expedited Shipping option for much faster mail deliv-
ery</ConditionNote>
    </OfferAttributes>
    <OfferListing>
      <OfferListingId>qixVvt1H7RS3BuyqkEQREgIXFBm</OfferListingId>
      <ExchangeId>Y01Y0538529Y2514641</ExchangeId>
      <Price>
        <Amount>514</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$5.14</FormattedPrice>
      </Price>
      <Availability>Usually ships in 1-2 business days</Availability>
    </OfferListing>
  </Offer>
  <Offer>
    <Seller>
      <SellerId>A2GXAGU54VOP7</SellerId>
      <Nickname>_athenaeum_</Nickname>
      <Location>
        <State>CO</State>
        <Country>United States</Country>
      </Location>
    </Seller>
    <OfferAttributes>
      <Condition>New</Condition>
      <SubCondition>new</SubCondition>
      <ConditionNote>Denting to corners. Brand New!</ConditionNote>
    </OfferAttributes>
    <OfferListing>
      <OfferListingId>6V/6WJP1R8kRMnQ7m%2BXbc9vHRySDB</OfferListingId>
      <ExchangeId>Y01Y2752695Y4253227</ExchangeId>
      <Price>
        <Amount>525</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$5.25</FormattedPrice>
      </Price>
      <Availability>Usually ships in 1-2 business days</Availability>
    </OfferListing>
  </Offer>

```

```
<Offer>
  <Seller>
    <SellerId>A2AWHOPEHULLZM</SellerId>
    <Nickname>pagelbook</Nickname>
    <Location>
      <State>NM</State>
      <Country>United States</Country>
    </Location>
  </Seller>
  <OfferAttributes>
    <Condition>New</Condition>
    <SubCondition>new</SubCondition>
  </OfferAttributes>
  <OfferListing>
    <OfferListingId>fjfqREpF67g%3D%3D</OfferListingId>
    <ExchangeId>Y01Y6165649Y3981088</ExchangeId>
    <Price>
      <Amount>549</Amount>
      <CurrencyCode>USD</CurrencyCode>
      <FormattedPrice>$5.49</FormattedPrice>
    </Price>
    <Availability>Usually ships in 1-2 business days</Availability>
  </OfferListing>
</Offer>
<Offer>
  <Seller>
    <SellerId>A2GXAGU54VOP7</SellerId>
    <Nickname>_athenaeum_</Nickname>
    <Location>
      <State>CO</State>
      <Country>United States</Country>
    </Location>
  </Seller>
  <OfferAttributes>
    <Condition>New</Condition>
    <SubCondition>new</SubCondition>
    <ConditionNote>Wear and denting to corners. Brand
New!</ConditionNote>
  </OfferAttributes>
  <OfferListing>
    <OfferListingId>p5DIw/xRBfsTTravUFhDid3xWrMrvOoFGTpsljTo/Mq</OfferListingId>
    <ExchangeId>Y01Y1556285Y3300980</ExchangeId>
    <Price>
      <Amount>575</Amount>
      <CurrencyCode>USD</CurrencyCode>
      <FormattedPrice>$5.75</FormattedPrice>
    </Price>
    <Availability>Usually ships in 1-2 business days</Availability>
  </OfferListing>
</Offer>
<Offer>
  <Seller>
    <SellerId>A23M0CFRNI53LG</SellerId>
    <Nickname>shar-esbooks</Nickname>
    <Location>
      <State>TX</State>
      <Country>United States</Country>
    </Location>
  </Seller>
  <OfferAttributes>
    <Condition>New</Condition>
    <SubCondition>new</SubCondition>
    <ConditionNote>Brand New! From Our Bookstore to Your
Home.</ConditionNote>
  </OfferAttributes>
  <OfferListing>
    <OfferListingId>g7CWSnBZmVESvKy%2BCNS</OfferListingId>
    <ExchangeId>Y01Y4038850Y8583882</ExchangeId>
    <Price>
      <Amount>625</Amount>
      <CurrencyCode>USD</CurrencyCode>
      <FormattedPrice>$6.25</FormattedPrice>
    </Price>
  </OfferListing>
</Offer>
```

```
        </Price>
        <Availability>Usually ships in 1-2 business days</Availability>
    </OfferListing>
</Offer>
<Offer>
    <Seller>
        <SellerId>A1PQLTPF03E83Y</SellerId>
        <Nickname>alldirect_com</Nickname>
        <Location>
            <State>TN</State>
            <Country>United States</Country>
        </Location>
    </Seller>
    <OfferAttributes>
        <Condition>New</Condition>
        <SubCondition>new</SubCondition>
        <ConditionNote>Item is Brand New!</ConditionNote>
    </OfferAttributes>
    <OfferListing>
<OfferListingId>7VI4Z0WGbPpizzoM9Dkz6weXWQ5Ge6E/S3km5</OfferListingId>
        <ExchangeId>Y01Y4722655Y9561989</ExchangeId>
        <Price>
            <Amount>627</Amount>
            <CurrencyCode>USD</CurrencyCode>
            <FormattedPrice>$6.27</FormattedPrice>
        </Price>
        <Availability>Usually ships in 1-2 business days</Availability>
    </OfferListing>
</Offer>
<Offer>
    <Seller>
        <SellerId>A2WHHWJW7QTPAG</SellerId>
        <Nickname>magickpotter</Nickname>
        <Location>
            <State>NC</State>
            <Country>United States</Country>
        </Location>
    </Seller>
    <OfferAttributes>
        <Condition>New</Condition>
        <SubCondition>new</SubCondition>
    </OfferAttributes>
    <OfferListing>
        <OfferListingId>u9hnbGwXQWBHESdtjJ4o44DIVmbX5</OfferListingId>
        <ExchangeId>Y02Y6887418Y5518740</ExchangeId>
        <Price>
            <Amount>640</Amount>
            <CurrencyCode>USD</CurrencyCode>
            <FormattedPrice>$6.40</FormattedPrice>
        </Price>
        <Availability>Usually ships in 1-2 business days</Availability>
    </OfferListing>
</Offer>
<Offer>
    <Seller>
        <SellerId>A2PF4MXALJQLZ2</SellerId>
        <Nickname>sight_and_sound_online</Nickname>
        <Location>
            <State>CA</State>
            <Country>United States</Country>
        </Location>
    </Seller>
    <OfferAttributes>
        <Condition>New</Condition>
        <SubCondition>new</SubCondition>
        <ConditionNote>Gift quality</ConditionNote>
    </OfferAttributes>
    <OfferListing>
<OfferListingId>vcc9hylNm7JFjJxBpCXr8UMPDCEWtKuLZK</OfferListingId>
        <ExchangeId>Y02Y5621445Y6770769</ExchangeId>
        <Price>
            <Amount>695</Amount>
```

```
<CurrencyCode>USD</CurrencyCode>
<FormattedPrice>$6.95</FormattedPrice>
</Price>
<Availability>Usually ships in 1-2 business days</Availability>
</OfferListing>
</Offer>
<Offer>
  <Seller>
    <SellerId>A3AAOH60I301LY</SellerId>
    <Nickname>liok-org</Nickname>
    <Location>
      <State>IL</State>
      <Country>United States</Country>
    </Location>
  </Seller>
  <OfferAttributes>
    <Condition>New</Condition>
    <SubCondition>new</SubCondition>
  </OfferAttributes>
  <OfferListing>
    <OfferListingId>oTXq%2BWuQ2sO3uZF/C1LAhxi</OfferListingId>
    <ExchangeId>Y02Y5207648Y2861148</ExchangeId>
    <Price>
      <Amount>699</Amount>
      <CurrencyCode>USD</CurrencyCode>
      <FormattedPrice>$6.99</FormattedPrice>
    </Price>
    <Availability>Usually ships in 1-2 business days</Availability>
  </OfferListing>
</Offer>
<Offer>
  <Seller>
    <SellerId>A1SSUO20DOKMFO</SellerId>
    <Nickname>thebookrackrh</Nickname>
    <Location>
      <State>SC</State>
      <Country>United States</Country>
    </Location>
  </Seller>
  <OfferAttributes>
    <Condition>New</Condition>
    <SubCondition>new</SubCondition>
    <ConditionNote>Gift Quality - We ship daily to get your book to
you Very Quickly! (outa)</ConditionNote>
  </OfferAttributes>
  <OfferListing>
    <OfferListingId>0IUMFI/vH2Owea3JcFycJD</OfferListingId>
    <ExchangeId>Y04Y1154286Y9619127</ExchangeId>
    <Price>
      <Amount>705</Amount>
      <CurrencyCode>USD</CurrencyCode>
      <FormattedPrice>$7.05</FormattedPrice>
    </Price>
    <Availability>Usually ships in 1-2 business days</Availability>
  </OfferListing>
</Offer>
</Offers>
</Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&ItemId=0439358078
```

```
&MerchantId=All  
&ResponseGroup=OfferFull
```

Offers Response Group

Description

The Offers response group is a parent response group that returns the contents of the OfferSummary response group plus, by default, all "New" offer listings. If you do not wish to receive just the New offer listings, you may specify the offer listing condition type you want to retrieve using the Condition parameter. For each offer listing, this response groups will return the SellerId and the MerchantId, as well as the offer listing condition, subcondition, and description.

Offers Includes the Following Response Groups

- *OfferSummary*

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>  
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">  
  <OperationRequest>  
    <HTTPHeaders>  
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>  
    </HTTPHeaders>  
    <RequestId>1PZJ2MKA8YY3452P0PZX</RequestId>  
    <Arguments>  
      <Argument Name="MerchantId" Value="All"/>  
      <Argument Name="Service" Value="AWSECommerceService"/>  
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>  
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>  
      <Argument Name="ItemId" Value="0439358078"/>  
      <Argument Name="ResponseGroup" Value="Offers"/>  
      <Argument Name="Operation" Value="ItemLookup"/>  
    </Arguments>  
  </OperationRequest>  
  <Items>  
    <Request>  
      <IsValid>True</IsValid>  
    </Request>  
    <Item>  
      <ASIN>0439358078</ASIN>  
      <OfferSummary>  
        <LowestNewPrice>  
          <Amount>514</Amount>  
          <CurrencyCode>USD</CurrencyCode>  
          <FormattedPrice>$5.14</FormattedPrice>  
        </LowestNewPrice>  
        <LowestUsedPrice>  
          <Amount>525</Amount>  
          <CurrencyCode>USD</CurrencyCode>  
          <FormattedPrice>$5.25</FormattedPrice>  
        </LowestUsedPrice>  
        <LowestCollectiblePrice>  
          <Amount>957</Amount>  
          <CurrencyCode>USD</CurrencyCode>  
          <FormattedPrice>$9.57</FormattedPrice>  
      </OfferSummary>  
    </Item>  
  </Items>  
</ItemLookupResponse>
```

```
</LowestCollectiblePrice>
<TotalNew>48</TotalNew>
<TotalUsed>46</TotalUsed>
<TotalCollectible>7</TotalCollectible>
<TotalRefurbished>0</TotalRefurbished>
</OfferSummary>
<Offers>
  <TotalOffers>48</TotalOffers>
  <TotalOfferPages>5</TotalOfferPages>
  <Offer>
    <Seller>
      <SellerId>ASYDZOX0HKBSE</SellerId>
    </Seller>
    <OfferAttributes>
      <Condition>New</Condition>
      <SubCondition>new</SubCondition>
      <ConditionNote>100% Brand New! - Ships Today! Identical to
Amazon's book in every way. Flawless! Not a cheap Remainder or Book Club
Copy! *We recommend Expedited Shipping option for much faster mail deliv-
ery</ConditionNote>
    </OfferAttributes>
    <OfferListing>
<OfferListingId>fGC28xteSrZMvRPT%2BTRkFtuDQaiixLJKXzIWLQqk295vz96a7M4f%2BQi4z
RQlYyi9QAYXPhyqM2aThqdd8YAlaIr3SxsQ7HMB</OfferListingId>
      <ExchangeId>Y01Y0538529Y2514641</ExchangeId>
      <Price>
        <Amount>514</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$5.14</FormattedPrice>
      </Price>
      <Availability>Usually ships in 1-2 business days</Availability>
    </OfferListing>
  </Offer>
  <Offer>
    <Seller>
      <SellerId>A2GXAGU54VOP7</SellerId>
    </Seller>
    <OfferAttributes>
      <Condition>New</Condition>
      <SubCondition>new</SubCondition>
      <ConditionNote>Denting to corners. Brand New!</ConditionNote>
    </OfferAttributes>
    <OfferListing>
<OfferListingId>CQC8NNDPf7RlAhx2Ycd8kqUSDkk7MQiyrUmHh005dNYf67%2B80vrzEVKg3nc
7PR6JoJn2MhClkeQ6Cuef07FHXYPdurgWkCpa</OfferListingId>
      <ExchangeId>Y01Y2752695Y4253227</ExchangeId>
      <Price>
        <Amount>525</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$5.25</FormattedPrice>
      </Price>
      <Availability>Usually ships in 1-2 business days</Availability>
    </OfferListing>
  </Offer>
  <Offer>
    <Seller>
      <SellerId>A2AWHOPEHULLZM</SellerId>
    </Seller>
    <OfferAttributes>
      <Condition>New</Condition>
      <SubCondition>new</SubCondition>
    </OfferAttributes>
    <OfferListing>
<OfferListingId>sDGnLoOn5VESTxnNptmh0lfrPZxyfNhNTq5urJOVnmvqhwoiIRpCIoPvYmRNK
zEYf059MUOf37eCUPZC48gPAQ%3D%3D</OfferListingId>
      <ExchangeId>Y01Y6165649Y3981088</ExchangeId>
      <Price>
        <Amount>549</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$5.49</FormattedPrice>
      </Price>
      <Availability>Usually ships in 1-2 business days</Availability>
```



```

    </OfferListing>
  </Offer>
  <Offer>
    <Seller>
      <SellerId>A2GXAGU54VOP7</SellerId>
    </Seller>
    <OfferAttributes>
      <Condition>New</Condition>
      <SubCondition>new</SubCondition>
      <ConditionNote>Wear and denting to corners. Brand
New!</ConditionNote>
    </OfferAttributes>
    <OfferListing>
      <OfferListingId>ULqJrxFjPZuqpk11UTiqualIHBP79z91ISHNfn5KdJ7OJLh0cJDkdbt/xCYCzr
6Xr8oFTC6RMOOX1%2BT602eJmP52UT1Ha581p</OfferListingId>
      <ExchangeId>Y01Y1556285Y3300980</ExchangeId>
      <Price>
        <Amount>575</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$5.75</FormattedPrice>
      </Price>
      <Availability>Usually ships in 1-2 business days</Availability>
    </OfferListing>
  </Offer>
  <Offer>
    <Seller>
      <SellerId>A23M0CFRNI53LG</SellerId>
    </Seller>
    <OfferAttributes>
      <Condition>New</Condition>
      <SubCondition>new</SubCondition>
      <ConditionNote>Brand New! From Our Bookstore to Your
Home.</ConditionNote>
    </OfferAttributes>
    <OfferListing>
      <OfferListingId>c2I7nbXmsC5uDaSeFQg1J3X4%2B/fA70HdLgaHHMwhn2oRl2ifG0cbt45rPV9
uboeU7LQJ6ESXYw96wayNIGolyq6JOMZ1gqcN</OfferListingId>
      <ExchangeId>Y01Y4038850Y8583882</ExchangeId>
      <Price>
        <Amount>625</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$6.25</FormattedPrice>
      </Price>
      <Availability>Usually ships in 1-2 business days</Availability>
    </OfferListing>
  </Offer>
  <Offer>
    <Seller>
      <SellerId>A1PQLTPF03E83Y</SellerId>
    </Seller>
    <OfferAttributes>
      <Condition>New</Condition>
      <SubCondition>new</SubCondition>
      <ConditionNote>Item is Brand New!</ConditionNote>
    </OfferAttributes>
    <OfferListing>
      <OfferListingId>lqmdpo7tt8qbt%2B9iIwN1Dbw9S9dkwo21tlSVX9RBqTyqQFLq5qJxZ9hijb6
0Cu/FJ8T/rDE4epXYK0/d2izrhwijn0Hws1PP</OfferListingId>
      <ExchangeId>Y01Y4722655Y9561989</ExchangeId>
      <Price>
        <Amount>627</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$6.27</FormattedPrice>
      </Price>
      <Availability>Usually ships in 1-2 business days</Availability>
    </OfferListing>
  </Offer>
  <Offer>
    <Seller>
      <SellerId>A2WHHWJW7QTPAG</SellerId>
    </Seller>
    <OfferAttributes>

```

```
<Condition>New</Condition>
<SubCondition>new</SubCondition>
</OfferAttributes>
<OfferListing>
<OfferListingId>a7Uz8YiW0Cj9dcrrOKC4f7jRxRyvZ%2BhHHVBGOPG5hxRBYt7SVUsx1P51z3K
ky0ySfaIOAdtAWBTPGdhXilrjMehampkmeH3N</OfferListingId>
<ExchangeId>Y02Y6887418Y5518740</ExchangeId>
<Price>
<Amount>640</Amount>
<CurrencyCode>USD</CurrencyCode>
<FormattedPrice>$6.40</FormattedPrice>
</Price>
<Availability>Usually ships in 1-2 business days</Availability>
</OfferListing>
</Offer>
<Offer>
<Seller>
<SellerId>A2PF4MXALJQLZ2</SellerId>
</Seller>
<OfferAttributes>
<Condition>New</Condition>
<SubCondition>new</SubCondition>
<ConditionNote>Gift quality</ConditionNote>
</OfferAttributes>
<OfferListing>
<OfferListingId>Rokv44HQpptz8bJyZ91NUotR62b5KumPzTTLWHhwLmenoZT2%2BrG7KG9ph9H
vGCurd9850c859sRDmcljiZpsN1OldQvD6KX1</OfferListingId>
<ExchangeId>Y02Y5621445Y6770769</ExchangeId>
<Price>
<Amount>695</Amount>
<CurrencyCode>USD</CurrencyCode>
<FormattedPrice>$6.95</FormattedPrice>
</Price>
<Availability>Usually ships in 1-2 business days</Availability>
</OfferListing>
</Offer>
<Offer>
<Seller>
<SellerId>A3AAOH6OI301LY</SellerId>
</Seller>
<OfferAttributes>
<Condition>New</Condition>
<SubCondition>new</SubCondition>
</OfferAttributes>
<OfferListing>
<OfferListingId>9mmOf2GCh4hvrT%2B2YqBkKqtfNlKLT/8h9vRW0efUileq5KVnHM62vazlqAq
kHjfNthU/WE37bRLgxVTmZoG5RetJrG3sFioX</OfferListingId>
<ExchangeId>Y02Y5207648Y2861148</ExchangeId>
<Price>
<Amount>699</Amount>
<CurrencyCode>USD</CurrencyCode>
<FormattedPrice>$6.99</FormattedPrice>
</Price>
<Availability>Usually ships in 1-2 business days</Availability>
</OfferListing>
</Offer>
<Offer>
<Seller>
<SellerId>A1SSU020DOKMFO</SellerId>
</Seller>
<OfferAttributes>
<Condition>New</Condition>
<SubCondition>new</SubCondition>
<ConditionNote>Gift Quality - We ship daily to get your book to
you Very Quickly! (outa)</ConditionNote>
</OfferAttributes>
<OfferListing>
<OfferListingId>G0sDfZIpG5TcHqJokRzT8hBsdKpY/kpaZZtxoH7xkEW5hyYVmVCxHdQJKctiY
XND%2BRi02aSi3Lnk0YVCQ%2B0eyoNtOQA%2BhtqI</OfferListingId>
<ExchangeId>Y04Y1154286Y9619127</ExchangeId>
<Price>
<Amount>705</Amount>
```

```
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$7.05</FormattedPrice>
      </Price>
      <Availability>Usually ships in 1-2 business days</Availability>
    </OfferListing>
  </Offer>
</Offers>
</Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&ItemId=0439358078
&MerchantId=All
&ResponseGroup=Offers
```

OfferSummary Response Group

Description

The OfferSummary response group provides the number of offer listings and the lowest price for each of the offer listing condition classes, including New, Used, Collectible, and Refurbished.

The OfferSummary response is based on the item ID and is not affected by changing the MerchantId parameter or any other parameter that changes the number of offers returned in the Offers or OfferFull response groups.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xm-
lns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Win-
dows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0EWQ0RD6NQYMNCB1SQE2</RequestId>
    <Arguments>
      <Argument Name="MerchantId" Value="All"/>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="0439358078"/>
      <Argument Name="ResponseGroup" Value="OfferSummary"/>
      <Argument Name="Operation" Value="ItemLookup"/>
    </Arguments>
  </OperationRequest>
  <Items>
    <Request>
      <IsValid>True</IsValid>
    </Request>
```

```
<Item>
  <ASIN>0439358078</ASIN>
  <OfferSummary>
    <LowestNewPrice>
      <Amount>514</Amount>
      <CurrencyCode>USD</CurrencyCode>
      <FormattedPrice>$5.14</FormattedPrice>
    </LowestNewPrice>
    <LowestUsedPrice>
      <Amount>525</Amount>
      <CurrencyCode>USD</CurrencyCode>
      <FormattedPrice>$5.25</FormattedPrice>
    </LowestUsedPrice>
    <LowestCollectiblePrice>
      <Amount>957</Amount>
      <CurrencyCode>USD</CurrencyCode>
      <FormattedPrice>$9.57</FormattedPrice>
    </LowestCollectiblePrice>
    <TotalNew>48</TotalNew>
    <TotalUsed>46</TotalUsed>
    <TotalCollectible>7</TotalCollectible>
    <TotalRefurbished>0</TotalRefurbished>
  </OfferSummary>
</Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&IdType=ASIN
&ItemId=0439358078
&MerchantId=All
&ResponseGroup=OfferSummary
```

Request Response Group

Description

The Request response group returns all of the arguments passed in the service call. The information returned can be used for debugging, as well as accessing any additional parameters you may have passed in with your request. Up to 10 additional parameters may be included in your request, and they will be echoed back to you in your response if you specify this response group. Please note that this response group is a default response group for every operation.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<HelpResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
  </OperationRequest>
</HelpResponse>
```



```
<Argument Name="ItemId" Value="0060006781"/>
<Argument Name="ResponseGroup" Value="Reviews"/>
<Argument Name="Operation" Value="ItemLookup"/>
</Arguments>
</OperationRequest>
<Items>
  <Request>
    <IsValid>True</IsValid>
  </Request>
  <Item>
    <ASIN>0060006781</ASIN>
    <CustomerReviews>
      <AverageRating>3.95</AverageRating>
      <TotalReviews>20</TotalReviews>
      <TotalReviewPages>4</TotalReviewPages>
      <Review>
        <ASIN>0060006781</ASIN>
        <Rating>4</Rating>
        <HelpfulVotes>9</HelpfulVotes>
        <TotalVotes>11</TotalVotes>
        <Date>2003-06-13</Date>
        <Summary>It's in the genes, just not in the way we
thought.</Summary>
        <Content>There is a review from Richard Dawkins on the back of this
book; it starts with, "I would never have expected a book about 'nature or
nurture' to be even mildly interesting let alone a real page-turner." In a
way, I was sort of with Dawkins on this one. I'm not sure how much gene/
environment polarization there is within the science community. Still, I got
the book for two reasons. First, I've read Ridley (Origins of Virture, Gen-
ome) before. Second, and as Ridley points out in his book, even if there is a
lack of gene/environment extremism in science, the laity is still quite po-
larized when they should not be. <P> Ridley starts by enviisioning photograph
of the twelve great men Ridley feels have influenced study on human behavior.
They are Charles Darwin (evolution), Francis Galton (first heritability the-
ories), William James (instincts as a part of psychology), DeVries and Mendel
(shared discovery of genes), Ivan Pavlov (conditioning theorist), John Watson
(behaviorism), Emile Kraeplin (personality as history), Freud
(psychoanalysis), Emile Durkheim (founder of sociology), Franz Boaz (studied
relations of cultures to one-another), Jean Piaget (studied how children
learn) and Konrad Lorenz (discovered the phenomenon of 'imprinting' in in-
stincts). <P> Each chapter loosely starts with discussion of one of these
thinkers. Basically, Ridley thinks that within all of these thinkers, there
is something like a correct answer. Of course, each thinker got as much wrong
as they did right so through tasty anecdotes, statistics and modern research
results, Ridley shows us what he thinks each got right and wrong.<P> The only
problem I had with this book is that the chapters hop from one to another
idea without adequately tying them together. Even the last chapter "a budget
of paradoxical morals" extrapolates conclusions that didn't quite seem to
represent what I'd read in the book. Each chapter by itself was interesting,
but taken as a whole, the book is muddled. Still, not bad for Matt Rid-
ley.</Content>
      </Review>
    <Review>
      <ASIN>0060006781</ASIN>
      <Rating>5</Rating>
      <HelpfulVotes>19</HelpfulVotes>
      <TotalVotes>20</TotalVotes>
      <Date>2003-09-23</Date>
      <Summary>Move beyond false dichotomies with this book</Summary>
      <Content>Matt Ridley does exactly that with Nature via Nurture. He
shows how "nature vs. nurture" simply is not a scientifically tenable idea.
Genetic tendencies, such as imprinting, cannot be manifested without specific
environmental influences; environmental influences cannot have an effect
without genetic material on which to work.<BR>This book is not, contrary to
one other reviewer, hard to follow for anybody with a basic, basic education
in heredity or genetics. And it's chock-full of information that will open
one's eyes about the field.<BR>Take, for example, the fact that humans have
about 30,000 genes. Nurturists, and even more, mind-body dualists
(particularly religious ones), seized on this as proof that human nature is
sui generis and not physically determined by such a relative paucity of
genes.<BR>Ridley shows the falsehood of this on several fronts. First, on the
mathematics, 30,000 genes, with recombinant variants, would produce well more
```

variants than human population numbers.<P>Second, he addresses this from a botany vs. zoology view, showing how plants have separate genes for manifestation of certain genetic information, rather than reduplication of genetic segments, as is the case with animals.
Third, Ridley tells how some genes have multiple exons, slightly variant, only one of which is selected during a particular protein translation after RNA transcription, and that each different exon can produce a different protein.
Testimony to the power of this book is shown on the dust jacket, which has blurbs from such strong naturalists as Richard Dawkins and Steven Pinker.
I will agree with one reviewer below that it is amazing this book comes from the author of Genome, as just a couple of years ago I would have placed Ridley firmly in the camp of Dawkins and Pinker. Unfortunately, the book has no comments from Ridley as to how and why his views evolved.</Content>

</Review>

<Review>

<ASIN>0060006781</ASIN>

<Rating>1</Rating>

<HelpfulVotes>1</HelpfulVotes>

<TotalVotes>5</TotalVotes>

<Date>2004-07-06</Date>

<Summary>Good general concepts ruined by bias in examples</Summary>

<Content>I am reviewing the Agile Gene, which is a reprint of Nature via Nurture (it is the identical book). The first part of the book gave me hope for some sort of middle ground where a popular scientist might acknowledge the complexity of how indirectly genes and biology affect human behavior (as opposed to the glib "gay gene discovered," "gene for aggression discovered" articles you see so often).<P>He did this-- his book acknowledges, for example, that if you do a twin study of families in middle-class America, you have indirectly limited the influence of the environment (by excluding more diverse cultures) and therefore the influence of genes on variability in a trait will be larger. The problem is, he then proceeds to completely ignore this informative, nuanced view when tackling the controversial issues that get people interested in the Nature-Nurture debate in the first place (gender roles, homosexuality, and mental illness for example). <P>Like so many science writers, he has little apparent knowledge of the humanities, social history, etc., and he holds his own preferred beliefs about human nature to a lower standard of proof than his opponents'. It is actually true that, as part of his defense of the idea of innate gender roles, he made reference to both the humorist Dave Barry *and* the popular work "Men are from Mars, Women are from Venus." Don't get me wrong, I like Dave Barry, but he would be the first one to point out that he's not a scientific authority on cross-cultural gender studies!<P>Ridley claims that [American or British] men's focus on "things" over "relationships" is genetic, but this idea, combined with his bit on homosexuality, merely shows that he needs to travel more. In America, women have much gushier friendships than men--they have "girlfriends" but we aren't supposed to have "boyfriends"--but this is not true in most places. In Latin America and many parts of Asia, Africa, and southern Europe, it is normal for straight men to kiss each other, hold hands, sometimes even have rituals of commitment to their friendships, etc. This also challenges the "gay gene" hypothesis: if big chunks of what Americans call "gay" are considered to be "straight" throughout the rest of the world, what would the gay gene code for? Even if it coded strictly for sex, in Mexico the top boy is often considered straight, and plenty of people everywhere experiment outside their "official" orientation. What all of this shows is that even if you have a gene for something, language and culture get added to it to create the final meaning. Ridley even acknowledges this ("genes enable, they don't restrict") but doesn't follow his own theory to its logical conclusion. <P>In his section about the genetic basis of monogamy, he infers that because Margaret Mead failed to find a truly sexually libertine society in Samoa, they must not exist anywhere. (Mead was seeking a society without a taboo on premarital sex, which she could now find in any major American city.) He also assumes that all experiments with open marriage in Western societies had failed; if he had actually taken the time to look, he would know that people still practice open marriage today. Yes, some people have a lot of trouble with jealousy and give up on it, but others I have met find that open relationships are second nature to them. So, if Mr. Ridley had taken the time to talk to anyone from the cultures he claims cannot exist, he could have an interesting discussion about individual differences in sexual jealousy (genetic or environmental?). Instead, we simply learn that, in addition to not knowing where the social history section of the library is, Matt Ridley also does not know how to find subcultures on the Internet or check his local alternative paper for club meetings.<P>In an oth-

```
erwise-well-written chapter, he says that schizophrenia genes might have sur-
vived natural selection because in another combination they can lead to in-
ventiveness. Well and good, but another reason these genes could be passed
down is because not all cultures see "hearing voices" as a bad thing-some
even see it as a form of religious inspiration! Even among those cultures
that do see it as bad, most cultures do not leave their ill members out in
the woods to die. But in Ridley-land, our ancestors were apparently all Amer-
ican Republicans in gated communities who go on rants about the danger of so-
cialized medicine!<P>I find it truly scary that this man has written a book
called "Sex and the Evolution of Human Nature." He doesn't know the first
thing about the diversity of human sexuality, friendship, or love. On the
other hand, his book HAS awakened me to a new truth: maybe the problem with
advocates of genetic sources of behavior isn't so much the fact that they be-
lieve that human diversity comes from genetic sources, as the fact that they
base their theories on so little knowledge of what human diversity actually
entails. Whether it's based on genes, environment, both, or neither, there's
a whole lot more under the sun than is dreamt of in Matt Ridley's philo-
sophy.</Content>
  </Review>
  <Review>
    <ASIN>0060006781</ASIN>
    <Rating>4</Rating>
    <HelpfulVotes>3</HelpfulVotes>
    <TotalVotes>3</TotalVotes>
    <Date>2004-06-05</Date>
    <Summary>Another excellent work from Ridley</Summary>
    <Content>Following on from Genome (which I've reviewed), I find
Matt Ridley very easy to read. <P>Here he selects 12 'Hairy Scientists', some
famous (eg Freud, Pavlov, Darwin), some not so famous, and weaves a wonderful
story as he takes us through the highs and lows of their research & that of
their contemporaries, bringing us right up to date with the Genome. With in-
teresting anecdotes he brings each individual to life. <P>The 7 moral conclu-
sions at the end were particularly useful, especially No. 2 "being a good
parent still matters"<P>Given I'm now in the process of reading a similar
book with some very poor illustrations, it was only afterwards looking back,
that I see that I was entertained & educated without the need for any
sketches or diagrams, and yet didn't feel cheated, deprived or con-
fused.</Content>
  </Review>
  <Review>
    <ASIN>0060006781</ASIN>
    <Rating>2</Rating>
    <HelpfulVotes>0</HelpfulVotes>
    <TotalVotes>11</TotalVotes>
    <Date>2004-05-10</Date>
    <Summary>C'mon now...</Summary>
    <Content>You can be reasonably sure that any "scientist" who read-
ily endorses Lomborg's The Skeptical Environmentalist is inappropriately ab-
using his position to promote his political agenda.</Content>
  </Review>
</CustomerReviews>
</Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&IdType=ASIN
&ItemId=0060006781
&ResponseGroup=Reviews
```


SalesRank Response Group

Description

The SalesRank response group provides the sales rank for each item in the response.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>1ZX2J0H6SZ35XNSNS77X</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="0060006781"/>
      <Argument Name="ResponseGroup" Value="SalesRank"/>
      <Argument Name="Operation" Value="ItemLookup"/>
    </Arguments>
  </OperationRequest>
  <Items>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Item>
      <ASIN>0060006781</ASIN>
      <SalesRank>4,107</SalesRank>
    </Item>
  </Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&IdType=
ASIN&ItemId=0060006781&ResponseGroup=SalesRank
```

SearchBins Response Group

Description

The SearchBins Response Group categorizes the items returned by ItemSearch into bins. A set of bins, for example, can be a set of price ranges for a product. In the case of women's shoes, for example, you might have a bin that returns ASINs for shoes that cost between \$0 and \$50, a second bin for shoes that cost \$50 to \$100, and a third bin for shoes that cost more than \$100. The information returned in the bins is the raw XML data that Amazon uses to create its retail Web site. You can use the raw XML data to

create your own Web site.

Availability

US only

NarrowBy

The basis on which the items are split into bins is specified by the `NarrowBy` attribute in the `SearchBinSet` tag. In the following example, the `NarrowBy` attribute shows that the bins are based on price range:

```
<SearchBinSet NarrowBy="PriceRange">
```

For another product category, the `NarrowBy` attribute might be different, for example:

```
<SearchBinSet NarrowBy="BrandName">
```

You cannot specify `NarrowBy` values nor can you specify the values they encompass. When `SearchBins` is included as a Response Group in a request, `ItemSearch` automatically divides the `ItemSearch` results into bins.

NarrowBy Values

`NarrowBy` values include:

- **Subject**—BrowseNode IDs of all topics related to items returned by `ItemSearch`. For example, searching for books about dogs returns, in the `Subject` bins, `BrowseNodes` for "Home & Garden," "Animal Care & Pets," "Dogs," and "Educational."
- **BrandName**—Brands, such as Levi's, Reebok, and Nike, that create the item. Use the name of a brand to filter out similar items made by other companies.
- **PriceRange**—Minimum and maximum prices for a bin of items. Use the minimum and maximum price values in each bin to filter out items outside of the price range you want.
- **SpecialSize**—Uncommon sizes an item comes in. Examples are "Plus Size & Tall," "Misses," "Maternity," "Husky," "Petites," and "Big & Tall."
- **Merchant**—All merchants selling an item. This bin returns all merchants even if `MerchantId` is set to a single merchant in the `ItemSearch` request. In the response, the ASINs returned will be specific to the `MerchantId` specified in the request. The merchants listed in the `Merchant` bin can be used to list other merchants that sell the same ASIN. There are some items sold by only one merchant. In that case, the `Merchant` bin returns with only that merchant.

All Search Indices return the `Subject` bin. Most return all of the bins.

NarrowBy Values by Search Index

The following list shows which `NarrowBy` values are returned by each Search Index:

- **Apparel**—Subject, BrandName, PriceRange, SpecialSize, Merchant
- **Baby**—Subject, BrandName, PriceRange, SpecialSize, Merchant
- **Beauty**—Subject, BrandName, PriceRange, SpecialSize, Merchant
- **Blended**—Not supported
- **Books**—Subject

- Classical—Subject
- DVD—Subject
- Electronics—Subject, BrandName, PriceRange, SpecialSize, Merchant
- Garden—Subject, BrandName, PriceRange, SpecialSize, Merchant
- GourmetFood—Subject, BrandName, PriceRange, SpecialSize, Merchant
- HealthPersonalCare—Subject, BrandName, PriceRange, SpecialSize, Merchant
- Jewelry—Subject, BrandName, PriceRange, SpecialSize, Merchant
- Kitchen—Subject, BrandName, PriceRange, SpecialSize, Merchant
- Magazines—Subject
- Merchants—Subject, BrandName, PriceRange, SpecialSize, Merchant
- MusicalInstruments—Subject, BrandName, PriceRange, SpecialSize, Merchant
- Miscellaneous—Subject, BrandName, PriceRange, SpecialSize, Merchant
- Music—Subject
- OfficeProducts—Subject, BrandName, PriceRange, SpecialSize, Merchant
- PCHardware—Subject, BrandName, PriceRange, SpecialSize, Merchant
- Photo—Subject, BrandName, PriceRange, SpecialSize, Merchant
- Restaurants—Not supported
- Showtimes—Theater
- Software—Subject, BrandName, PriceRange, SpecialSize, Merchant
- SportingGoods—Subject, BrandName, PriceRange, SpecialSize, Merchant
- Theatrical—Subject
- Tools—Subject, BrandName, PriceRange, SpecialSize, Merchant
- Toys—Subject, BrandName, PriceRange, SpecialSize, Merchant
- Travel—Subject
- VHS—Subject
- Video—Subject
- VideoGames—Subject, BrandName, PriceRange, SpecialSize, Merchant
- Wireless—Subject
- WirelessAccessories—Subject

Element Tags in a Bin

The element tags in a bin vary according to the bin. For example, in bins based on price, the elements and Name values are:

```
<BinName>
  <BinItemCount>
  <BinParameter>
    <Name>MinimumPrice</Name>
    <Value>
  <BinParameter>
    <Name>MaximumPrice</Name>
    <Value>
```

The elements show the minimum and maximum price for items in that bin, and the number of items in that bin.

Other NarrowBy values use other element tags in their bins. For example, when NarrowBy is “Brand,” the element tags and Name values are:

```
<Bin>
  <BinName>
  <BinItemCount>
  <BinParameter>
    <Name>Brand</Name>
    <Value>
```

You cannot specify the element tags returned in a bin.

Drilling Down

You can take the values in a bin and add them to the `ItemSearch` query to filter out of the response items that are outside of that bin. To narrow the search results to shirts that cost between \$0 and \$25, for example, you would add the following `Name` and its corresponding value as additional parameters in the original `ItemSearch` request:

```
&MinimumPrice=0
&MaximumPrice=2499
```

You could narrow the search results even further by adding an additional parameter to the query. For example, you could specify

```
&Brand=Levi's
```

The response would then only include shirts by Levi's that cost under \$25. You could continue to drill down by adding additional parameters to the request.

Notice that in each case the results were narrowed down by adding the value tagged with `Name` and its corresponding value to the original `ItemSearch` request.

SearchBin Example

The following request asks for shirts:

```
http://webservices.amazon.com/onca/xml?
Service=AWSECommerceService&
AWSAccessKeyId=[Your Access Key ID Here]&
Operation=ItemSearch&
MerchantId=A363XKZVKSMVXW&
Condition=All&
SearchIndex=SportingGoods&
Keywords=Glove&
ResponseGroup=SearchBins
```

The following response snippet shows the first ASINS and the first two bins for each `NarrowBy` value returned in the response:

```
<Item>
  <ASIN>B00005R2GR</ASIN>
</Item>
<Item>
  <ASIN>B00076ZDV8</ASIN>
</Item>
<Item>
  <ASIN>B00092FEEG</ASIN>
</Item>
<Item>
```

```
        <ASIN>B000ADTP1W</ASIN>
    </Item>
<SearchBinSets>
    <SearchBinSet NarrowBy="PriceRange">
        <Bin>
            <BinName>$25-$49</BinName>
            <BinItemCount>316</BinItemCount>
            <BinParameter>
                <Name>MinimumPrice</Name>
                <Value>2500</Value>
            </BinParameter>
            <BinParameter>
                <Name>MaximumPrice</Name>
                <Value>4999</Value>
            </BinParameter>
        </Bin>
    </SearchBinSet>
    <SearchBinSet>
        <Bin>
            <BinName>$0-$24</BinName>
            <BinItemCount>280</BinItemCount>
            <BinParameter>
                <Name>MinimumPrice</Name>
                <Value>0</Value>
            </BinParameter>
            <BinParameter>
                <Name>MaximumPrice</Name>
                <Value>2499</Value>
            </BinParameter>
        </Bin>
    </SearchBinSet>

<SearchBinSet NarrowBy="BrandName">
    <Bin>
        <BinName>Rawlings</BinName>
        <BinItemCount>71</BinItemCount>
        <BinParameter>
            <Name>Brand</Name>
            <Value>Rawlings</Value>
        </BinParameter>
    </Bin>
    <Bin>
        <BinName>Body Glove</BinName>
        <BinItemCount>53</BinItemCount>
        <BinParameter>
            <Name>Brand</Name>
            <Value>Body Glove</Value>
        </BinParameter>
    </Bin>
</SearchBinSet>

<SearchBinSet NarrowBy="Merchant">
    <Bin>
        <BinName>Sports "R" Us</BinName>
        <BinItemCount>860</BinItemCount>
        <BinParameter>
            <Name>MerchantId</Name>
            <Value>A363XKZVKSMVXW</Value>
        </BinParameter>
    </Bin>
    <Bin>
        <BinName>Target</BinName>
        <BinItemCount>8</BinItemCount>
        <BinParameter>
            <Name>MerchantId</Name>
            <Value>A1VC38T7YXB528</Value>
        </BinParameter>
    </Bin>
</SearchBinSet>

<SearchBinSet NarrowBy="Subject">
    <Bin>
```

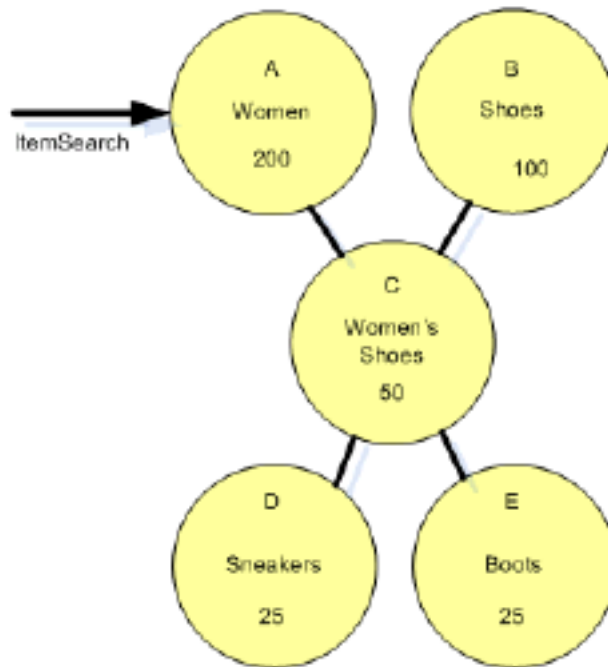
```
<BinName>Categories</BinName>
<BinItemCount>860</BinItemCount>
<BinParameter>
  <Name>BrowseNode</Name>
  <Value>3375301</Value>
</BinParameter>
</Bin>
<Bin>
  <BinName>Baseball</BinName>
  <BinItemCount>311</BinItemCount>
  <BinParameter>
    <Name>BrowseNode</Name>
    <Value>3395731</Value>
  </BinParameter>
</Bin>
</SearchBinSet>
```

The response has two large parts. The first part is the list of ASINs that satisfy the request. The remainder of the response shows the first two bins in each NarrowBy value. There are several things to notice:

- Even though the ASINS returned are sold only by the merchant whose ID was included in the request, the Merchant bin shows other merchants that also sell the same ASIN. Typically, the merchant whose ID was included in the request, is listed first in the Merchant bin. Use the additional merchants in the Merchant bin to offer additional sales opportunities to customers.
- Although the SportingGoods Search Index can potentially return five NarrowBy values, only four are returned in this example because the number of items in the NarrowBy value, SpecialSize, was zero.

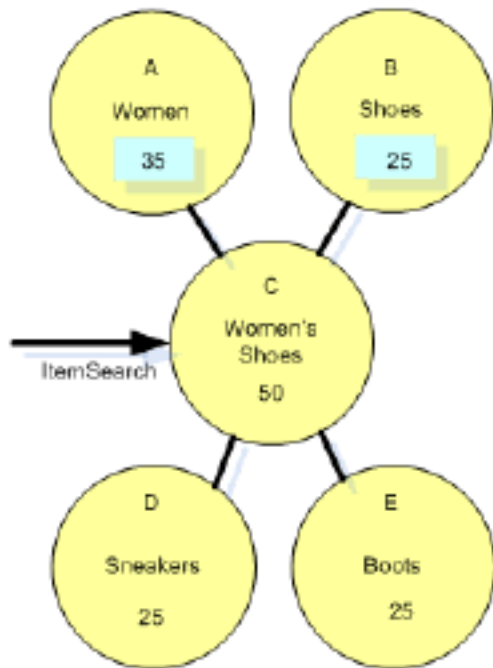
Understanding BrowseNode Results When Drilling Down

BrowseNodes are related in a hierarchy where one BrowseNode can have zero or more ancestor and child BrowseNodes, as shown in the following figure.



This diagram shows five BrowseNodes and their hierarchy. Node A might be, for example, Shoes. Node B might be Women. Node C, a child of BrowseNodes A and B, might be Women's Shoes.

The number inside each node represents the number of items in the BrowseNode when ItemSearch is called on Node A. BrowseNode C is a subset of BrowseNode A and a subset of BrowseNode B. Perhaps fifty of the items in BrowseNode C are also in BrowseNode A. When ItemSearch was run on BrowseNode A, the operation returned that BrowseNode A has 200 items. When ItemSearch is repeated using a BinParameter Name value that was returned in the first ItemSearch request, it is the same as running ItemSearch on a child of BrowseNode A, which, in this case, is BrowseNode C. By narrowing the search to only those values found in BrowseNode C, ItemSearch returns only those items in BrowseNode A that are also in BrowseNode C. As shown in the following figure, the number of common items is 35.



As a result, ItemSearch returns that BrowseNode A now only contains 35 items. While the change in the item count in BrowseNode A might, at first, be confusing, understanding that ItemSearch is returning only the intersection of BrowseNodes A and C explains why the number of items in BrowseNode A changes. Notice that the item counts in other BrowseNodes can also change.

Because the number of items in surrounding BrowseNodes can change with each new drilldown using ItemSearch, the BrowseNodes that contain the greatest number of items can change dramatically. In the previous discussion, for example, the number of items in BrowseNode A changed from 200 to 35 on successive ItemSearch requests. Because ItemSearch returns only the top ten BrowseNodes that contain the most items, the identity of the top ten BrowseNodes can change with each ItemSearch.

Seller Response Group

Description

The Seller response group provides the seller ID, nickname, feedback, description, and location for each seller in the response.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<SellerLookupResponse xm-
lns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Win-
dows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0VFWPQA26CMF97MGFKXJ</RequestId>
    <Arguments>
```



```
<Argument Name="Service" Value="AWSECommerceService"/>
<Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
<Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
<Argument Name="ResponseGroup" Value="Seller"/>
<Argument Name="Operation" Value="SellerLookup"/>
<Argument Name="SellerId" Value="A3ENSIQ3ZA4FFN"/>
</Arguments>
</OperationRequest>
<Sellers>
  <Request>
    <IsValid>True</IsValid>
  </Request>
  <Seller>
    <SellerId>A3ENSIQ3ZA4FFN</SellerId>
    <SellerName>abebooks.com</SellerName>
    <Nickname>abebooks</Nickname>
    <GlancePage>http://www.amazon.com/gp/help/seller/at-a-glance.html?seller=A3EN
    SIQ3ZA4FFN&marketplaceSeller=1</GlancePage>
    <Location>
      <City>Pt. Roberts</City>
      <State>WA</State>
    </Location>
    <AverageFeedbackRating>4.39</AverageFeedbackRating>
    <TotalFeedback>149642</TotalFeedback>
    <TotalFeedbackPages>29929</TotalFeedbackPages>
    <SellerFeedback>
      <Feedback>
        <Rating>4</Rating>
        <Comment>excellent condition and service if a little lengthy in
        overseas delivery time</Comment>
        <Date>2004-09-28T05:41+0000</Date>
        <RatedBy>A1J4CF92QNW0AE</RatedBy>
      </Feedback>
      <Feedback>
        <Rating>5</Rating>
        <Comment>I have never purchased anything online and this has been a
        very rewarding and experience. Thanks for for attention.</Comment>
        <Date>2004-09-28T05:35+0000</Date>
        <RatedBy>AK1XZ405FJ1BG</RatedBy>
      </Feedback>
      <Feedback>
        <Rating>4</Rating>
        <Comment>The book arrived in good condition.</Comment>
        <Date>2004-09-28T05:09+0000</Date>
        <RatedBy>AI87NYBZKNKWDW</RatedBy>
      </Feedback>
      <Feedback>
        <Rating>5</Rating>
        <Comment>good experience</Comment>
        <Date>2004-09-28T05:07+0000</Date>
        <RatedBy>A16KVDRLON3CO7</RatedBy>
      </Feedback>
      <Feedback>
        <Rating>5</Rating>
        <Comment>Receved item in as described condition. Thank
        you.</Comment>
        <Date>2004-09-28T05:07+0000</Date>
        <RatedBy>A3PWPNZVMNX3PA</RatedBy>
      </Feedback>
    </SellerFeedback>
  </Seller>
</Sellers>
</SellerLookupResponse>
```

The Request that Generated the Response (REST)

<http://webservices.amazon.com/onca/xml?Service=AWSECommerceService>

```
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=SellerLookup
&SellerId=A3ENSIQ3ZA4FFN
&FeedbackPage=1
&ResponseGroup=Seller
```

SellerListing Response Group

Description

The SellerListing response group provides Marketplace listing information for each third-party product in the response.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<SellerListingSearchResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0N95C097CY26ET673T7G</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="Title" Value="dog"/>
      <Argument Name="ResponseGroup" Value="SellerListing"/>
      <Argument Name="Operation" Value="SellerListingSearch"/>
    </Arguments>
  </OperationRequest>
  <SellerListings>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <TotalResults>25000</TotalResults>
    <TotalPages>2500</TotalPages>
    <SellerListing>
      <ExchangeId>Y01Y0373479Y6328608</ExchangeId>
      <ListingId>0707B103318</ListingId>
      <ASIN>1569067236</ASIN>
      <Title>The Dog Lovers 2004 Postcard Calendar [Calendar] by Ronnie Sellers Productions</Title>
      <Price>
        <Amount>843</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$8.43</FormattedPrice>
      </Price>
      <StartDate>2004-07-07</StartDate>
      <EndDate>2007-06-22</EndDate>
      <Status>Open</Status>
      <Quantity>1</Quantity>
      <Condition>new</Condition>
      <SubCondition>new</SubCondition>
      <Seller>
        <SellerId>A18RVZS4GJ5ELK</SellerId>
        <Nickname>edsilver</Nickname>
      </Seller>
    </SellerListing>
  </SellerListings>
</SellerListingSearchResponse>
```

```
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5541758Y0611182</ExchangeId>
  <ListingId>0517T362320</ListingId>
  <ASIN>0944435459</ASIN>
  <Title>Train Your Dog in One Hour [Hardcover] by Butler, Sandy; Hobbs,
Patricia...</Title>
  <Price>
    <Amount>500</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$5.00</FormattedPrice>
  </Price>
  <StartDate>2003-05-17</StartDate>
  <EndDate>2006-05-01</EndDate>
  <Status>Open</Status>
  <Quantity>1</Quantity>
  <QuantityAllocated>0</QuantityAllocated>
  <Condition>collectible</Condition>
  <SubCondition>mint</SubCondition>
  <Seller>
    <SellerId>A1HNT8488CY02W</SellerId>
    <Nickname>heavenlytreasures</Nickname>
  </Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5544758Y0173181</ExchangeId>
  <ListingId>0727F271273</ListingId>
  <ASIN>0668053143</ASIN>
  <Title>Secrets of Show Dog Handling by Migliorini, Mario</Title>
  <Price>
    <Amount>410</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$4.10</FormattedPrice>
  </Price>
  <StartDate>2004-07-27</StartDate>
  <EndDate>2007-07-12</EndDate>
  <Status>Open</Status>
  <Quantity>1</Quantity>
  <Condition>used</Condition>
  <SubCondition>acceptable</SubCondition>
  <Seller>
    <SellerId>A2MA7WLWB6Q2ZP</SellerId>
    <Nickname>savers_online_sales</Nickname>
  </Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5545935Y8934280</ExchangeId>
  <ListingId>0709R362067</ListingId>
  <ASIN>0740710427</ASIN>
  <Title>Dog Owner'S Manual Important Stuff About Your Pet, [Paperback]
by Carter...</Title>
  <Price>
    <Amount>198</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$1.98</FormattedPrice>
  </Price>
  <StartDate>2004-07-09</StartDate>
  <EndDate>2007-06-24</EndDate>
  <Status>Open</Status>
  <Quantity>1</Quantity>
  <QuantityAllocated>0</QuantityAllocated>
  <Condition>used</Condition>
  <SubCondition>mint</SubCondition>
  <Seller>
    <SellerId>AF1Q8Z7T8PCWA</SellerId>
    <Nickname>swinehartsbooks</Nickname>
  </Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5551676Y4315581</ExchangeId>
  <ListingId>1201T855026</ListingId>
  <ASIN>053130311X</ASIN>
```

```
<Title>Bloomer: The Dog You Can Play With [Hardcover] by Stanley,
Mandy</Title>
<Price>
  <Amount>175</Amount>
  <CurrencyCode>USD</CurrencyCode>
  <FormattedPrice>$1.75</FormattedPrice>
</Price>
<StartDate>2003-12-01</StartDate>
<EndDate>2006-11-15</EndDate>
<Status>Open</Status>
<Quantity>1</Quantity>
<Condition>new</Condition>
<SubCondition>new</SubCondition>
<Seller>
  <SellerId>A74CUHIMP1WM1</SellerId>
  <Nickname>divine-ms-m</Nickname>
</Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5558809Y2267082</ExchangeId>
  <ListingId>0826L819621</ListingId>
  <ASIN>0870237047</ASIN>
  <Title>The Dog Star [Paperback] by Di Piero, W.S.</Title>
  <Price>
    <Amount>936</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$9.36</FormattedPrice>
  </Price>
  <StartDate>2004-08-26</StartDate>
  <EndDate>2007-08-11</EndDate>
  <Status>Open</Status>
  <Quantity>2</Quantity>
  <Condition>new</Condition>
  <SubCondition>new</SubCondition>
  <Seller>
    <SellerId>A2ZGNN73WLXVFQ</SellerId>
    <Nickname>albooks</Nickname>
  </Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5561788Y1311484</ExchangeId>
  <ListingId>0818F783156</ListingId>
  <ASIN>186039809X</ASIN>
  <Title>Just Dog [Paperback] by Oram, Hiawyn</Title>
  <Price>
    <Amount>295</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$2.95</FormattedPrice>
  </Price>
  <StartDate>2004-08-18</StartDate>
  <EndDate>2007-08-03</EndDate>
  <Status>Open</Status>
  <Quantity>1</Quantity>
  <Condition>used</Condition>
  <SubCondition>verygood</SubCondition>
  <Seller>
    <SellerId>A1W3KL3V5J40VH</SellerId>
    <Nickname>alibris_sellers</Nickname>
  </Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5564990Y8975784</ExchangeId>
  <ListingId>0814J252244</ListingId>
  <ASIN>1561450022</ASIN>
  <Title>To Dance With the White Dog [Hardcover] by Kay, Terry</Title>
  <Price>
    <Amount>1891</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$18.91</FormattedPrice>
  </Price>
  <StartDate>2004-08-14</StartDate>
  <EndDate>2007-07-30</EndDate>
```

```
<Status>Open</Status>
<Quantity>1</Quantity>
<Condition>used</Condition>
<SubCondition>mint</SubCondition>
<Seller>
  <SellerId>A1W3KL3V5J40VH</SellerId>
  <Nickname>alibris_sellers</Nickname>
</Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5570237Y0385382</ExchangeId>
  <ListingId>0808J032105</ListingId>
  <ASIN>0708935257</ASIN>
  <Title>Wild Dog Running (Ulverscroft Large Print Series) [LARGE PRINT]
[Hardcover] by</Title>
  <Price>
    <Amount>1963</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$19.63</FormattedPrice>
  </Price>
  <StartDate>2004-08-08</StartDate>
  <EndDate>2007-07-24</EndDate>
  <Status>Open</Status>
  <Quantity>1</Quantity>
  <QuantityAllocated>0</QuantityAllocated>
  <Condition>used</Condition>
  <SubCondition>good</SubCondition>
  <Seller>
    <SellerId>A1W3KL3V5J40VH</SellerId>
    <Nickname>alibris_sellers</Nickname>
  </Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5575428Y8342383</ExchangeId>
  <ListingId>0525K923306</ListingId>
  <ASIN>0876056583</ASIN>
  <Title>The Complete Guide to Dog Law by Gannon, Deidre E.</Title>
  <Price>
    <Amount>1576</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$15.76</FormattedPrice>
  </Price>
  <StartDate>2004-05-25</StartDate>
  <EndDate>2007-05-10</EndDate>
  <Status>Open</Status>
  <Quantity>1</Quantity>
  <Condition>used</Condition>
  <SubCondition>mint</SubCondition>
  <Seller>
    <SellerId>A1W3KL3V5J40VH</SellerId>
    <Nickname>alibris_sellers</Nickname>
  </Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5578157Y5388384</ExchangeId>
  <ListingId>0806W498859</ListingId>
  <ASIN>068485502X</ASIN>
  <Title>Why We Love the Dogs We Do: How to Find the Dog That Matches
Your Personality...</Title>
  <Price>
    <Amount>959</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$9.59</FormattedPrice>
  </Price>
  <StartDate>2004-08-06</StartDate>
  <EndDate>2007-07-22</EndDate>
  <Status>Open</Status>
  <Quantity>4</Quantity>
  <Condition>used</Condition>
  <SubCondition>verygood</SubCondition>
  <Seller>
    <SellerId>A3F9RG8498JSW1</SellerId>
```

```
<Nickname>wonderbookandvideo</Nickname>
</Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5594551Y1203081</ExchangeId>
  <ListingId>0726J008522</ListingId>
  <ASIN>0590442872</ASIN>
  <Title>Clifford's Halloween (Clifford the Big Red Dog) [Paperback] by
Bridwell, Norman</Title>
  <Price>
    <Amount>193</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$1.93</FormattedPrice>
  </Price>
  <StartDate>2004-07-26</StartDate>
  <EndDate>2007-07-11</EndDate>
  <Status>Open</Status>
  <Quantity>1</Quantity>
  <Condition>used</Condition>
  <SubCondition>good</SubCondition>
  <Seller>
    <SellerId>A325BP1SH948ZB</SellerId>
    <Nickname>my3girls4</Nickname>
  </Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5595636Y0233981</ExchangeId>
  <ListingId>0702L581707</ListingId>
  <ASIN>0823402258</ASIN>
  <Title>Morris Brookside a Dog by Sharmat, Marjorie Weinman; Himler,
Ronald</Title>
  <Price>
    <Amount>450</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$4.50</FormattedPrice>
  </Price>
  <StartDate>2004-07-02</StartDate>
  <EndDate>2007-06-17</EndDate>
  <Status>Open</Status>
  <Quantity>1</Quantity>
  <Condition>used</Condition>
  <SubCondition>good</SubCondition>
  <Seller>
    <SellerId>A1VNJ8FE1ZEZBU</SellerId>
    <Nickname>aldenbks</Nickname>
  </Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5598670Y1713082</ExchangeId>
  <ListingId>0903W419032</ListingId>
  <ASIN>0590442627</ASIN>
  <Title>Clifford's Puppy Days (Clifford the Big Red Dog (Paperback))
[Paperback] by...</Title>
  <Price>
    <Amount>220</Amount>
    <CurrencyCode>USD</CurrencyCode>
    <FormattedPrice>$2.20</FormattedPrice>
  </Price>
  <StartDate>2004-09-03</StartDate>
  <EndDate>2004-11-02</EndDate>
  <Status>Open</Status>
  <Quantity>1</Quantity>
  <Condition>collectible</Condition>
  <SubCondition>good</SubCondition>
  <Seller>
    <SellerId>ASQBTZTHKDWVF</SellerId>
    <Nickname>justmebooks</Nickname>
  </Seller>
</SellerListing>
<SellerListing>
  <ExchangeId>Y01Y5602075Y2932281</ExchangeId>
  <ListingId>0301B309577</ListingId>
```

```
<ASIN>0307001431</ASIN>
<Title>The Sailor Dog (A Little Golden Book) [Hardcover] by Margaret
Wise Brown</Title>
<Price>
  <Amount>100</Amount>
  <CurrencyCode>USD</CurrencyCode>
  <FormattedPrice>$1.00</FormattedPrice>
</Price>
<StartDate>2004-03-01</StartDate>
<EndDate>2007-02-14</EndDate>
<Status>Open</Status>
<Quantity>1</Quantity>
<Condition>collectible</Condition>
<SubCondition>good</SubCondition>
<Seller>
  <SellerId>A2IVNZR570GJ4L</SellerId>
  <Nickname>adsrus_media</Nickname>
</Seller>
</SellerListing>
</SellerListings>
</SellerListingSearchResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=SellerListingSearch
&Title=dog
&ResponseGroup=SellerListing
```

Similarities Response Group

Description

The Similarities response group provides the ASIN and Title for each similar product in the response.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>03PGKAGY235HEGA33GM3</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="0894802046"/>
      <Argument Name="ResponseGroup" Value="Similarities"/>
      <Argument Name="Operation" Value="ItemLookup"/>
    </Arguments>
  </OperationRequest>
</ItemLookupResponse>
```

```
<Request>
  <IsValid>True</IsValid>
</Request>
<Item>
  <ASIN>0894802046</ASIN>
  <SimilarProducts>
    <SimilarProduct>
      <ASIN>0894808311</ASIN>
      <Title>The Silver Palate Good Times Cookbook</Title>
    </SimilarProduct>
    <SimilarProduct>
      <ASIN>0894803417</ASIN>
      <Title>The New Basics Cookbook</Title>
    </SimilarProduct>
    <SimilarProduct>
      <ASIN>1561384984</ASIN>
      <Title>Silver Palate Desserts: Recipes from the Classic American
Cookbooks (Running Press Miniature Editions)</Title>
    </SimilarProduct>
    <SimilarProduct>
      <ASIN>0517881225</ASIN>
      <Title>Great Good Food : Luscious Lower-Fat Cooking</Title>
    </SimilarProduct>
    <SimilarProduct>
      <ASIN>1563052377</ASIN>
      <Title>All Around the World Cookbook</Title>
    </SimilarProduct>
  </SimilarProducts>
</Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&IdType=
ASIN&ItemId=0894802046&ResponseGroup=Similarities
```

Small Response Group

Description

The Small response group provides global, item-level data (no pricing or availability), including the ASIN, product title, creator (author, artist, composer, directory, manufacturer, etc.), product group, URL, and manufacturer. Small includes all of the data necessary to display a typical item in a search results listing.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<SimilarityLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
```



```
<Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Win-
dows NT 5.1)"/>
</HTTPHeaders>
<RequestId>1CJZPMVXXRNS84XHHJQR</RequestId>
<Arguments>
  <Argument Name="Service" Value="AWSECommerceService"/>
  <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
  <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
  <Argument Name="ItemId" Value="0060006781"/>
  <Argument Name="ResponseGroup" Value="Small"/>
  <Argument Name="Operation" Value="SimilarityLookup"/>
</Arguments>
</OperationRequest>
<Items>
  <Request>
    <IsValid>True</IsValid>
  </Request>
  <Item>
    <ASIN>0060932902</ASIN>
    <DetailPageURL>http://www.amazon.com/gp/redirect.html?location=/exec/obidos/A
    SIN/0060932902/[Your Associate ID Here]%3FAWSAccessKeyId=[Your Access Key ID
    Here]%26camp=2025%26link_code=xm2</DetailPageURL>
    <ItemAttributes>
      <Author>Matt Ridley</Author>
      <ProductGroup>Book</ProductGroup>
      <Title>Genome</Title>
    </ItemAttributes>
  </Item>
  <Item>
    <ASIN>0140264450</ASIN>
    <DetailPageURL>http://www.amazon.com/gp/redirect.html?location=/exec/obidos/A
    SIN/0140264450/[Your Associate ID Here]%3FAWSAccessKeyId=[Your Access Key ID
    Here]%26camp=2025%26link_code=xm2</DetailPageURL>
    <ItemAttributes>
      <Author>Matt Ridley</Author>
      <ProductGroup>Book</ProductGroup>
      <Title>The Origins of Virtue: Human Instincts and the Evolution of
      Cooperation</Title>
    </ItemAttributes>
  </Item>
  <Item>
    <ASIN>0060556579</ASIN>
    <DetailPageURL>http://www.amazon.com/gp/redirect.html?location=/exec/obidos/A
    SIN/0060556579/[Your Associate ID Here]%3FAWSAccessKeyId=[Your Access Key ID
    Here]%26camp=2025%26link_code=xm2</DetailPageURL>
    <ItemAttributes>
      <Author>Matt Ridley</Author>
      <ProductGroup>Book</ProductGroup>
      <Title>The Red Queen : Sex and the Evolution of Human Nature</Title>
    </ItemAttributes>
  </Item>
  <Item>
    <ASIN>0670031518</ASIN>
    <DetailPageURL>http://www.amazon.com/gp/redirect.html?location=/exec/obidos/A
    SIN/0670031518/[Your Associate ID Here]%3FAWSAccessKeyId=[Your Access Key ID
    Here]%26camp=2025%26link_code=xm2</DetailPageURL>
    <ItemAttributes>
      <Author>Steven Pinker</Author>
      <ProductGroup>Book</ProductGroup>
      <Title>The Blank Slate: The Modern Denial of Human Nature</Title>
    </ItemAttributes>
  </Item>
  <Item>
    <ASIN>0618335404</ASIN>
    <DetailPageURL>http://www.amazon.com/gp/redirect.html?location=/exec/obidos/A
    SIN/0618335404/[Your Associate ID Here]%3FAWSAccessKeyId=[Your Access Key ID
    Here]%26camp=2025%26link_code=xm2</DetailPageURL>
    <ItemAttributes>
      <Author>Richard Dawkins</Author>
      <ProductGroup>Book</ProductGroup>
      <Title>A Devil's Chaplain: Reflections on Hope, Lies, Science and
```

```
Love</Title>
  </ItemAttributes>
</Item>
<Item>
  <ASIN>0465044050</ASIN>
<DetailPageURL>http://www.amazon.com/gp/redirect.html?location=/exec/obidos/A
SIN/0465044050/[Your Associate ID Here]%3FAWSAccessKeyId=[Your Access Key ID
Here]%26camp=2025%26link_code=xm2</DetailPageURL>
  <ItemAttributes>
    <Author>Gary Marcus</Author>
    <ProductGroup>Book</ProductGroup>
    <Title>The Birth of the Mind: How a Tiny Number of Genes Creates the
Complexities of Human Thought</Title>
  </ItemAttributes>
</Item>
<Item>
  <ASIN>0670031860</ASIN>
<DetailPageURL>http://www.amazon.com/gp/redirect.html?location=/exec/obidos/A
SIN/0670031860/[Your Associate ID Here]%3FAWSAccessKeyId=[Your Access Key ID
Here]%26camp=2025%26link_code=xm2</DetailPageURL>
  <ItemAttributes>
    <Author>Daniel C. Dennett</Author>
    <ProductGroup>Book</ProductGroup>
    <Title>Freedom Evolves</Title>
  </ItemAttributes>
</Item>
<Item>
  <ASIN>0192860925</ASIN>
<DetailPageURL>http://www.amazon.com/gp/redirect.html?location=/exec/obidos/A
SIN/0192860925/[Your Associate ID Here]%3FAWSAccessKeyId=[Your Access Key ID
Here]%26camp=2025%26link_code=xm2</DetailPageURL>
  <ItemAttributes>
    <Author>Richard Dawkins</Author>
    <ProductGroup>Book</ProductGroup>
    <Title>The Selfish Gene</Title>
  </ItemAttributes>
</Item>
<Item>
  <ASIN>0393318486</ASIN>
<DetailPageURL>http://www.amazon.com/gp/redirect.html?location=/exec/obidos/A
SIN/0393318486/[Your Associate ID Here]%3FAWSAccessKeyId=[Your Access Key ID
Here]%26camp=2025%26link_code=xm2</DetailPageURL>
  <ItemAttributes>
    <Author>Steven Pinker</Author>
    <ProductGroup>Book</ProductGroup>
    <Title>How the Mind Works</Title>
  </ItemAttributes>
</Item>
<Item>
  <ASIN>0375415467</ASIN>
<DetailPageURL>http://www.amazon.com/gp/redirect.html?location=/exec/obidos/A
SIN/0375415467/[Your Associate ID Here]%3FAWSAccessKeyId=[Your Access Key ID
Here]%26camp=2025%26link_code=xm2</DetailPageURL>
  <ItemAttributes>
    <Author>JAMES D. WATSON</Author>
    <Author>ANDREW BERRY</Author>
    <ProductGroup>Book</ProductGroup>
    <Title>DNA : The Secret of Life</Title>
  </ItemAttributes>
</Item>
</Items>
</SimilarityLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
```

```
&Operation=SimilarityLookup  
&ItemId=0060006781  
&ResponseGroup=Small
```

Subjects Response Group

Description

The Subjects response group returns a book's Subject description, which characterizes the book's content. Both ItemSearch and ItemLookup can use this response group.

REST Sample Response Snippet

Sample Response Snippet (REST)

```
<Subjects>  
  <Subject>Computer Bks - Languages / Programming</Subject>  
  <Subject>Computer Books: General</Subject>  
  <Subject>Computer Networks</Subject>  
  <Subject>Computer Programming Languages</Subject>  
  <Subject>Computers</Subject>  
  <Subject>HTML (Document markup language)</Subject>  
  <Subject>Hypertext systems</Subject>  
  <Subject>Internet - Web Site Design</Subject>  
  <Subject>Networking - General</Subject>  
  <Subject>Programming Languages - HTML</Subject>  
  <Subject>World Wide Web</Subject>  
  <Subject>Computers / Programming Languages / HTML, SGML, VRML,  
XML</Subject>  
</Subjects>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService  
&AWSAccessKeyId=[Your Access Key ID Here]  
&AssociateTag=[Your Associate ID Here]  
&Operation=ItemSearch  
&ItemId=0239409223  
&ResponseGroup=Subjects
```

TopSellers Response Group

Description

The TopSellers response group lists the top ten best sellers or a specified browsenode. BrowseNodeLookup is the only operation that can use this response group.

Availability

The TopSellers response group is only available in the US locale.

REST Sample Response Snippet

Sample Response Snippet (REST)

```
<TopSellers>
<TopSeller>
  <ASIN>0439784549</ASIN>
  <Title>Harry Potter and the Half-Blood Prince (Book 6)</Title>
</TopSeller>
<TopSeller>
  <ASIN>0743226712</ASIN>
  <Title>1776</Title>
</TopSeller>
<TopSeller>
  <ASIN>0060765313</ASIN>
  <Title>Trst</Title>
</TopSeller>
<TopSeller>
  <ASIN>006073132X</ASIN>
  <Title>This new baby product (should we restrict this to the
"clone")</Title>
</TopSeller>
<TopSeller>
  <ASIN>0374292884</ASIN>
  <Title>The World Is Flat: A Brief History of the Twenty-first Century: A
Look At Slugs (Sociology)</Title>
</TopSeller>
</TopSellers>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
  &AWSAccessKeyId=[Your Access Key ID Here]
  &AssociateTag=[Your Associate ID Here]
  &Operation=BrowseNodeLookup
  &BrowseNode=3D502394
  &ResponseGroup=TopSellers
```

Tracks Response Group

Description

The Tracks response group provides track title and number for each track on each CD in the response.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
```

```
<OperationRequest>
  <HTTPHeaders>
    <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Win-
dows NT 5.1)"/>
  </HTTPHeaders>
  <RequestId>0X8FK14MC5CWTQE05TEF</RequestId>
  <Arguments>
    <Argument Name="Service" Value="AWSECommerceService"/>
    <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
    <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
    <Argument Name="ItemId" Value="B00000JHAU"/>
    <Argument Name="ResponseGroup" Value="Tracks"/>
    <Argument Name="Operation" Value="ItemLookup"/>
  </Arguments>
</OperationRequest>
<Items>
  <Request>
    <IsValid>True</IsValid>
  </Request>
  <Item>
    <ASIN>B00000JHAU</ASIN>
    <Tracks>
      <Disc Number="1">
        <Track Number="1">The Stars Of Track And Field</Track>
        <Track Number="2">Seeing Other People</Track>
        <Track Number="3">Me And The Major</Track>
        <Track Number="4">Like Dylan In The Movies</Track>
        <Track Number="5">The Fox In The Snow</Track>
        <Track Number="6">Get Me Away From Here Im Dying</Track>
        <Track Number="7">If Youre Feeling Sinister</Track>
        <Track Number="8">Mayfly</Track>
        <Track Number="9">The Boy Done Wrong Again</Track>
        <Track Number="10">Judy And The Dream Of Horses</Track>
      </Disc>
    </Tracks>
  </Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&ItemId=B00000JHAU
&ResponseGroup=Tracks
```

TransactionDetails Response Group

Description

The TransactionDetails response group provides information about Amazon transactions, including the seller ID, the condition of the transaction, the date of the transaction, and the total dollar amount of the transaction. TransactionDetails does not return information about the items that were purchased or about the customers who completed the transaction.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<TransactionLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0JGK2H9TFCD5XN0BTY6B</RequestId>
    <Arguments>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="TransactionId" Value="104-1867480-8536729"/>
      <Argument Name="ResponseGroup" Value="TransactionDetails"/>
      <Argument Name="Operation" Value="TransactionLookup"/>
    </Arguments>
  </OperationRequest>
  <Transactions>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Transaction>
      <TransactionId>104-1867480-8536729</TransactionId>
      <SellerId>ATVPDKIKX0DER</SellerId>
      <Condition>Complete</Condition>
      <TransactionDate>2004-06-14T21:51:53</TransactionDate>
      <TransactionDateEpoch>1087249913</TransactionDateEpoch>
      <SellerName>Amazon.com</SellerName>
      <Totals>
        <Total>
          <Amount>30.9</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$30.00</FormattedPrice>
        </Total>
        <Subtotal>
          <Amount>31.57</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$31.00</FormattedPrice>
        </Subtotal>
        <Tax>
          <Amount>2.49</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$2.00</FormattedPrice>
        </Tax>
        <ShippingCharge>
          <Amount>4.98</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$4.00</FormattedPrice>
        </ShippingCharge>
        <Promotion>
          <Amount>8.14</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$8.00</FormattedPrice>
        </Promotion>
      </Totals>
      <TransactionItems>
        <TransactionItem>
          <TransactionItemId>jjsnptouplox</TransactionItemId>
          <Quantity>1</Quantity>
          <UnitPrice>
            <Amount>20.37</Amount>
            <CurrencyCode>USD</CurrencyCode>
            <FormattedPrice>$20.00</FormattedPrice>
          </UnitPrice>
          <TotalPrice>
            <Amount>20.37</Amount>
          </TotalPrice>
        </TransactionItem>
      </TransactionItems>
    </Transaction>
  </Transactions>
</TransactionLookupResponse>
```

```
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$20.00</FormattedPrice>
    </TotalPrice>
</TransactionItem>
<TransactionItem>
    <TransactionItemId>jjsnptouorox</TransactionItemId>
    <Quantity>1</Quantity>
    <UnitPrice>
        <Amount>11.2</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$11.00</FormattedPrice>
    </UnitPrice>
    <TotalPrice>
        <Amount>11.2</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$11.00</FormattedPrice>
    </TotalPrice>
</TransactionItem>
</TransactionItems>
<Shipments>
    <Shipment>
        <Condition>Shipped</Condition>
        <DeliveryMethod>Mail</DeliveryMethod>
        <ShipmentItems>
            <TransactionItemId>jjsnptouplox</TransactionItemId>
            <TransactionItemId>jjsnptouorox</TransactionItemId>
        </ShipmentItems>
    </Shipment>
</Shipments>
</Transaction>
</Transactions>
</TransactionLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=TransactionLookup
&TransactionId=104-1867480-8536729
&ResponseGroup=TransactionDetails
```

VariationMinimum Response Group

Description

The VariationMinimum response group provides the child ASINs for each parent ASIN in the response. For example, if the response contains "Brand X T-Shirt" as a parent ASIN, this response group will return the ASIN for each child ASIN of "Brand X T-Shirt," including "Small, Blue, Brand X T-Shirt", "Medium, Blue, Brand X T-Shirt", "Large, Blue, Brand X T-Shirt", "Small, Red, Brand X T-Shirt", etc.

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
    <OperationRequest>
```

```
<HTTPHeaders>
  <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Win-
dows NT 5.1)"/>
</HTTPHeaders>
<RequestId>11Y0BJVFR7F1TDNP3ZNE</RequestId>
<Arguments>
  <Argument Name="MerchantId" Value="All"/>
  <Argument Name="Service" Value="AWSECommerceService"/>
  <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
  <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
  <Argument Name="ItemId" Value="B00006XYAB"/>
  <Argument Name="ResponseGroup" Value="VariationMinimum"/>
  <Argument Name="Operation" Value="ItemLookup"/>
</Arguments>
</OperationRequest>
<Items>
  <Request>
    <IsValid>True</IsValid>
  </Request>
  <Item>
    <ASIN>B00006XYAB</ASIN>
    <Variations>
      <Item>
        <ASIN>B0000B1P5Z</ASIN>
      </Item>
      <Item>
        <ASIN>B0000B1P62</ASIN>
      </Item>
      <Item>
        <ASIN>B0000B1P63</ASIN>
      </Item>
      <Item>
        <ASIN>B0000B1P65</ASIN>
      </Item>
      <Item>
        <ASIN>B0000B1P67</ASIN>
      </Item>
      <Item>
        <ASIN>B0000B1P69</ASIN>
      </Item>
      <Item>
        <ASIN>B0000B1P6M</ASIN>
      </Item>
      <Item>
        <ASIN>B0000B1P6O</ASIN>
      </Item>
      <Item>
        <ASIN>B0000B1P6Q</ASIN>
      </Item>
      <Item>
        <ASIN>B0000B1P6T</ASIN>
      </Item>
    </Variations>
  </Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&ItemId=B00006XYAB
&MerchantId=All
&ResponseGroup=VariationMinimum
```


Variations Response Group

Description

The *Variations* response group is a parent response group that returns the contents of the *VariationSummary* and *VariationMinimum* response groups plus other variation details, such as item attributes, offers, and offer listings for each variation in the response.

Some variations include parent ASINs. Parent ASINs do not contain offers; their children do. This is why it is possible to have a variation with zero *TotalOffers* and, at the same time, have items listed.

Variations Includes the Following Response Groups

- *VariationMinimum*
- *VariationSummary*

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>07RYE0Z6Q27B4AR8CG7D</RequestId>
    <Arguments>
      <Argument Name="MerchantId" Value="All"/>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="B00006XYAB"/>
      <Argument Name="ResponseGroup" Value="Variations"/>
      <Argument Name="Operation" Value="ItemLookup"/>
    </Arguments>
  </OperationRequest>
  <Items>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Item>
      <ASIN>B00006XYAB</ASIN>
      <VariationSummary>
        <LowestPrice>
          <Amount>1950</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$19.50</FormattedPrice>
        </LowestPrice>
        <HighestPrice>
          <Amount>2450</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$24.50</FormattedPrice>
        </HighestPrice>
        <SingleMerchantId>A3BHV80Q3W90PJ</SingleMerchantId>
      </VariationSummary>
      <Variations>
        <TotalVariations>104</TotalVariations>
        <TotalVariationPages>11</TotalVariationPages>
      </Variations>
    </Item>
  </Items>
</ItemLookupResponse>
```

```
<ASIN>B0000B1P5Z</ASIN>
<ItemAttributes>
  <Brand>Eddie Bauer</Brand>
  <ClothingSize>Small Regular</ClothingSize>
  <Color>Black</Color>
  <Department>mens</Department>
  <Feature>100% cotton</Feature>
  <Feature>Made in the USA of imported materials</Feature>
  <Feature>Machine wash</Feature>
  <Feature>Twill-taped shoulder seams</Feature>
  <Feature>Garment-washed for softness and reduced shrink-
age</Feature>
  <ProductGroup>Apparel</ProductGroup>
  <Title>Long-Sleeve Basic Pocket Tee (Regular S Black)</Title>
</ItemAttributes>
<Offers>
  <Offer>
    <Merchant>
      <MerchantId>A3BHV8OQ3W90PJ</MerchantId>
      <Name>Eddie Bauer</Name>
    </Merchant>
    <OfferAttributes>
      <Condition>New</Condition>
      <SubCondition>new</SubCondition>
    </OfferAttributes>
    <OfferListing>
<OfferListingId>cPxluwqtVwmn%SrVyO6SIRwInc84DZg%3D</OfferListingId>
      <ExchangeId>Y12M2141669M7668562</ExchangeId>
      <Price>
        <Amount>1950</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$19.50</FormattedPrice>
      </Price>
      <Availability>Usually ships in 1-2 business
days</Availability>
    </OfferListing>
  </Offer>
</Offers>
</Item>
<Item>
  <ASIN>B0000B1P62</ASIN>
  <ItemAttributes>
    <Brand>Eddie Bauer</Brand>
    <ClothingSize>Medium Regular</ClothingSize>
    <Color>Black</Color>
    <Department>mens</Department>
    <Feature>100% cotton</Feature>
    <Feature>Made in the USA of imported materials</Feature>
    <Feature>Machine wash</Feature>
    <Feature>Twill-taped shoulder seams</Feature>
    <Feature>Garment-washed for softness and reduced shrink-
age</Feature>
    <ProductGroup>Apparel</ProductGroup>
    <Title>Long-Sleeve Basic Pocket Tee (Regular M Black)</Title>
  </ItemAttributes>
  <Offers>
    <Offer>
      <Merchant>
        <MerchantId>A3BHV8OQ3W90PJ</MerchantId>
        <Name>Eddie Bauer</Name>
      </Merchant>
      <OfferAttributes>
        <Condition>New</Condition>
        <SubCondition>new</SubCondition>
      </OfferAttributes>
      <OfferListing>
<OfferListingId>3MmuiPx116AD5PyDWR5Fvjo%3D</OfferListingId>
        <ExchangeId>Y12M2698465M8107578</ExchangeId>
        <Price>
          <Amount>1950</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$19.50</FormattedPrice>
        </Price>
      </OfferListing>
    </Offer>
  </Offers>
</Item>
```

```

        </Price>
        <Availability>Usually ships in 1-2 business
days</Availability>
    </OfferListing>
    </Offer>
  </Offers>
</Item>
<Item>
  <ASIN>B0000B1P63</ASIN>
  <ItemAttributes>
    <Brand>Eddie Bauer</Brand>
    <ClothingSize>Large Regular</ClothingSize>
    <Color>Black</Color>
    <Department>mens</Department>
    <Feature>100% cotton</Feature>
    <Feature>Made in the USA of imported materials</Feature>
    <Feature>Machine wash</Feature>
    <Feature>Twill-taped shoulder seams</Feature>
    <Feature>Garment-washed for softness and reduced shrink-
age</Feature>
    <ProductGroup>Apparel</ProductGroup>
    <Title>Long-Sleeve Basic Pocket Tee (Regular L Black)</Title>
  </ItemAttributes>
  <Offers>
    <Offer>
      <Merchant>
        <MerchantId>A3BHV8OQ3W90PJ</MerchantId>
        <Name>Eddie Bauer</Name>
      </Merchant>
      <OfferAttributes>
        <Condition>New</Condition>
        <SubCondition>new</SubCondition>
      </OfferAttributes>
      <OfferListing>
        <OfferListingId>V%2BZ6oOBRAxQ3D</OfferListingId>
        <ExchangeId>Y12M3390150M0079491</ExchangeId>
        <Price>
          <Amount>1950</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$19.50</FormattedPrice>
        </Price>
        <Availability>Usually ships in 1-2 business
days</Availability>
      </OfferListing>
    </Offer>
  </Offers>
</Item>
<Item>
  <ASIN>B0000B1P65</ASIN>
  <ItemAttributes>
    <Brand>Eddie Bauer</Brand>
    <ClothingSize>X-Large Regular</ClothingSize>
    <Color>Black</Color>
    <Department>mens</Department>
    <Feature>100% cotton</Feature>
    <Feature>Made in the USA of imported materials</Feature>
    <Feature>Machine wash</Feature>
    <Feature>Twill-taped shoulder seams</Feature>
    <Feature>Garment-washed for softness and reduced shrink-
age</Feature>
    <ProductGroup>Apparel</ProductGroup>
    <Title>Long-Sleeve Basic Pocket Tee (Regular XL Black)</Title>
  </ItemAttributes>
  <Offers>
    <Offer>
      <Merchant>
        <MerchantId>A3BHV8OQ3W90PJ</MerchantId>
        <Name>Eddie Bauer</Name>
      </Merchant>
      <OfferAttributes>
        <Condition>New</Condition>
        <SubCondition>new</SubCondition>

```

```

        </OfferAttributes>
    </OfferListing>
    <OfferListingId>d22mHZ/vxFOjI%3D</OfferListingId>
    <ExchangeId>Y12M1447839M0100682</ExchangeId>
    <Price>
        <Amount>1950</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$19.50</FormattedPrice>
    </Price>
    <Availability>Usually ships in 1-2 business
days</Availability>
    </OfferListing>
</Offer>
</Offers>
</Item>
<Item>
    <ASIN>B0000B1P67</ASIN>
    <ItemAttributes>
        <Brand>Eddie Bauer</Brand>
        <ClothingSize>XX-Large Regular</ClothingSize>
        <Color>Black</Color>
        <Department>mens</Department>
        <Feature>100% cotton</Feature>
        <Feature>Made in the USA of imported materials</Feature>
        <Feature>Machine wash</Feature>
        <Feature>Twill-taped shoulder seams</Feature>
        <Feature>Garment-washed for softness and reduced shrink-
age</Feature>
        <ProductGroup>Apparel</ProductGroup>
        <Title>Long-Sleeve Basic Pocket Tee (Regular XXL Black)</Title>
    </ItemAttributes>
    <Offers>
        <Offer>
            <Merchant>
                <MerchantId>A3BHV8OQ3W90PJ</MerchantId>
                <Name>Eddie Bauer</Name>
            </Merchant>
            <OfferAttributes>
                <Condition>New</Condition>
                <SubCondition>new</SubCondition>
            </OfferAttributes>
            <OfferListing>
                <OfferListingId>R6yH4O0My/G1TPD60a1Y67vU%3D</OfferListingId>
                <ExchangeId>Y12M0835209M0546669</ExchangeId>
                <Price>
                    <Amount>1950</Amount>
                    <CurrencyCode>USD</CurrencyCode>
                    <FormattedPrice>$19.50</FormattedPrice>
                </Price>
                <Availability>Usually ships in 1-2 business
days</Availability>
            </OfferListing>
        </Offer>
    </Offers>
</Item>
<Item>
    <ASIN>B0000B1P69</ASIN>
    <ItemAttributes>
        <Brand>Eddie Bauer</Brand>
        <ClothingSize>XXX-Large Regular</ClothingSize>
        <Color>Black</Color>
        <Department>mens</Department>
        <Feature>100% cotton</Feature>
        <Feature>Made in the USA of imported materials</Feature>
        <Feature>Machine wash</Feature>
        <Feature>Twill-taped shoulder seams</Feature>
        <Feature>Garment-washed for softness and reduced shrink-
age</Feature>
        <ProductGroup>Apparel</ProductGroup>
        <Title>Long-Sleeve Basic Pocket Tee (Regular XXXL Black)</Title>
    </ItemAttributes>
    <Offers>

```

```

<Offer>
  <Merchant>
    <MerchantId>A3BHV8OQ3W90PJ</MerchantId>
    <Name>Eddie Bauer</Name>
  </Merchant>
  <OfferAttributes>
    <Condition>New</Condition>
    <SubCondition>new</SubCondition>
  </OfferAttributes>
  <OfferListing>
    <OfferListingId>U3UzkLbtSWXeDkTa97g%3D</OfferListingId>
    <ExchangeId>Y12M6847968M0397573</ExchangeId>
    <Price>
      <Amount>1950</Amount>
      <CurrencyCode>USD</CurrencyCode>
      <FormattedPrice>$19.50</FormattedPrice>
    </Price>
    <Availability>Usually ships in 1-2 business
days</Availability>
  </OfferListing>
</Offer>
</Offers>
</Item>
<Item>
  <ASIN>B0000B1P6M</ASIN>
  <ItemAttributes>
    <Brand>Eddie Bauer</Brand>
    <ClothingSize>Small Regular</ClothingSize>
    <Color>Navy</Color>
    <Department>mens</Department>
    <Feature>100% cotton</Feature>
    <Feature>Made in the USA of imported materials</Feature>
    <Feature>Machine wash</Feature>
    <Feature>Twill-taped shoulder seams</Feature>
    <Feature>Garment-washed for softness and reduced shrink-
age</Feature>
    <ProductGroup>Apparel</ProductGroup>
    <Title>Long-Sleeve Basic Pocket Tee (Regular S Navy)</Title>
  </ItemAttributes>
  <Offers>
    <Offer>
      <Merchant>
        <MerchantId>A3BHV8OQ3W90PJ</MerchantId>
        <Name>Eddie Bauer</Name>
      </Merchant>
      <OfferAttributes>
        <Condition>New</Condition>
        <SubCondition>new</SubCondition>
      </OfferAttributes>
      <OfferListing>
        <OfferListingId>zyW32MqAKyDacd1wzNPs%3D</OfferListingId>
        <ExchangeId>Y12M1893560M1298856</ExchangeId>
        <Price>
          <Amount>1950</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$19.50</FormattedPrice>
        </Price>
        <Availability>Usually ships in 1-2 business
days</Availability>
      </OfferListing>
    </Offer>
  </Offers>
</Item>
<Item>
  <ASIN>B0000B1P6O</ASIN>
  <ItemAttributes>
    <Brand>Eddie Bauer</Brand>
    <ClothingSize>Medium Regular</ClothingSize>
    <Color>Navy</Color>
    <Department>mens</Department>
    <Feature>100% cotton</Feature>
    <Feature>Made in the USA of imported materials</Feature>

```

```
<Feature>Machine wash</Feature>
<Feature>Twill-taped shoulder seams</Feature>
<Feature>Garment-washed for softness and reduced shrink-
age</Feature>
<ProductGroup>Apparel</ProductGroup>
<Title>Long-Sleeve Basic Pocket Tee (Regular M Navy)</Title>
</ItemAttributes>
<Offers>
  <Offer>
    <Merchant>
      <MerchantId>A3BHV8OQ3W90PJ</MerchantId>
      <Name>Eddie Bauer</Name>
    </Merchant>
    <OfferAttributes>
      <Condition>New</Condition>
      <SubCondition>new</SubCondition>
    </OfferAttributes>
    <OfferListing>
      <OfferListingId>VprD75J8HuU554w%3D</OfferListingId>
      <ExchangeId>Y12M2561191M4616496</ExchangeId>
      <Price>
        <Amount>1950</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$19.50</FormattedPrice>
      </Price>
      <Availability>Usually ships in 1-2 business
days</Availability>
    </OfferListing>
  </Offer>
</Offers>
</Item>
<Item>
  <ASIN>B0000B1P6Q</ASIN>
  <ItemAttributes>
    <Brand>Eddie Bauer</Brand>
    <ClothingSize>Large Regular</ClothingSize>
    <Color>Navy</Color>
    <Department>mens</Department>
    <Feature>100% cotton</Feature>
    <Feature>Made in the USA of imported materials</Feature>
    <Feature>Machine wash</Feature>
    <Feature>Twill-taped shoulder seams</Feature>
    <Feature>Garment-washed for softness and reduced shrink-
age</Feature>
    <ProductGroup>Apparel</ProductGroup>
    <Title>Long-Sleeve Basic Pocket Tee (Regular L Navy)</Title>
  </ItemAttributes>
  <Offers>
    <Offer>
      <Merchant>
        <MerchantId>A3BHV8OQ3W90PJ</MerchantId>
        <Name>Eddie Bauer</Name>
      </Merchant>
      <OfferAttributes>
        <Condition>New</Condition>
        <SubCondition>new</SubCondition>
      </OfferAttributes>
      <OfferListing>
        <OfferListingId>xLbDIEltvpgC65BCPV2oB0sQ08%3D</OfferListingId>
        <ExchangeId>Y12M3145475M4914200</ExchangeId>
        <Price>
          <Amount>1950</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$19.50</FormattedPrice>
        </Price>
        <Availability>Usually ships in 1-2 business
days</Availability>
      </OfferListing>
    </Offer>
  </Offers>
</Item>
</Item>
```

```
<ASIN>B0000B1P6T</ASIN>
<ItemAttributes>
  <Brand>Eddie Bauer</Brand>
  <ClothingSize>X-Large Regular</ClothingSize>
  <Color>Navy</Color>
  <Department>mens</Department>
  <Feature>100% cotton</Feature>
  <Feature>Made in the USA of imported materials</Feature>
  <Feature>Machine wash</Feature>
  <Feature>Twill-taped shoulder seams</Feature>
  <Feature>Garment-washed for softness and reduced shrink-
age</Feature>
  <ProductGroup>Apparel</ProductGroup>
  <Title>Long-Sleeve Basic Pocket Tee (Regular XL Navy)</Title>
</ItemAttributes>
<Offers>
  <Offer>
    <Merchant>
      <MerchantId>A3BHV8OQ3W90PJ</MerchantId>
      <Name>Eddie Bauer</Name>
    </Merchant>
    <OfferAttributes>
      <Condition>New</Condition>
      <SubCondition>new</SubCondition>
    </OfferAttributes>
    <OfferListing>
      <OfferListingId>Hn9OTqlkBR4icMnjrloms%3D</OfferListingId>
      <ExchangeId>Y12M1309277M0307267</ExchangeId>
      <Price>
        <Amount>1950</Amount>
        <CurrencyCode>USD</CurrencyCode>
        <FormattedPrice>$19.50</FormattedPrice>
      </Price>
      <Availability>Usually ships in 1-2 business
days</Availability>
    </OfferListing>
  </Offer>
</Offers>
</Item>
</Variations>
</Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&ItemId=B00006XYAB
&MerchantId=All
&ResponseGroup=Variations
```

VariationImages Response Group

Description

The VariationImages response group displays different variations of the same item in four sizes: swatch, small, medium, and large, where the swatch image is smaller than the small image. VariationImages is used when there are variations of an item for sale. For example, a shirt for sale might come in four colors. If VariationImages is used as the response group, the shirt will be displayed in sixteen images:

four image sizes of each of the four colors.

Parent ASINs do not always have images associated with them; their children, however, should.

REST Sample Response Snippet

Sample Response Snippet (REST)

```
<ImageSets>
  <ImageSet Category="primary">

    <SmallImage>
      <URL>
        http://images.amazon.com/images/P/B99999999A.01._SCTHUMBZZZ_.jpg
      </URL>
      <Height Units="pixels">60</Height>
      <Width Units="pixels">60</Width>
    </SmallImage>

    <MediumImage>
      <URL>
        http://images.amazon.com/images/P/B99999999A.01._SCMZZZZZZZ_.jpg
      </URL>
      <Height Units="pixels">140</Height>
      <Width Units="pixels">140</Width>
    </MediumImage>

    <LargeImage>
      <URL>
        http://images.amazon.com/images/P/B99999999A.01._SCLZZZZZZZ_.jpg
      </URL>
      <Height Units="pixels">500</Height>
      <Width Units="pixels">500</Width>
    </LargeImage>
  </ImageSet>
  <ImageSet Category="variant">

    <SmallImage>
      <URL>
        http://images.amazon.com/images/P/B99999999A.01.PT01._SCTHUMBZZZ_.jpg
      </URL>
      <Height Units="pixels">48</Height>
      <Width Units="pixels">60</Width>
    </SmallImage>

    <MediumImage>
      <URL>
        http://images.amazon.com/images/P/B99999999A.01.PT01._SCMZZZZZZZ_.jpg
      </URL>
      <Height Units="pixels">120</Height>
      <Width Units="pixels">150</Width>
    </MediumImage>

    <LargeImage>
      <URL>
        http://images.amazon.com/images/P/B99999999A.01.PT01._SCLZZZZZZZ_.jpg
      </URL>
      <Height Units="pixels">400</Height>
      <Width Units="pixels">500</Width>
    </LargeImage>
  </ImageSet>
```


The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&ItemId=0239409223
&ResponseGroup=VariationImages
```

VariationSummary Response Group

Description

The VariationSummary response group provides the lowest price, highest price, lowest sale price, and highest sale price for all child ASINs in the response.

Parent ASINs do not have offers; their children do. For example, you cannot buy a shirt (the parent ASIN). You can, however, buy a shirt that is a certain color and size and is made by a specific manufacturer (the child ASIN).

REST Sample Response and Request

Sample Response (REST)

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemLookupResponse xmlns="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
  <OperationRequest>
    <HTTPHeaders>
      <Header Name="UserAgent" Value="Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)"/>
    </HTTPHeaders>
    <RequestId>0R6G71MRKKAJCKAMWSES</RequestId>
    <Arguments>
      <Argument Name="MerchantId" Value="All"/>
      <Argument Name="Service" Value="AWSECommerceService"/>
      <Argument Name="AssociateTag" Value="[Your Associate ID Here]"/>
      <Argument Name="AWSAccessKeyId" Value="[Your Access Key ID Here]"/>
      <Argument Name="ItemId" Value="B00006XYAA"/>
      <Argument Name="ResponseGroup" Value="VariationSummary"/>
      <Argument Name="Operation" Value="ItemLookup"/>
    </Arguments>
  </OperationRequest>
  <Items>
    <Request>
      <IsValid>True</IsValid>
    </Request>
    <Item>
      <ASIN>B00006XYAA</ASIN>
      <VariationSummary>
        <LowestPrice>
          <Amount>1450</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$14.50</FormattedPrice>
        </LowestPrice>
        <HighestPrice>
          <Amount>1750</Amount>
          <CurrencyCode>USD</CurrencyCode>
          <FormattedPrice>$17.50</FormattedPrice>
        </HighestPrice>
      </VariationSummary>
    </Item>
  </Items>
</ItemLookupResponse>
```

```
        </HighestPrice>
        <SingleMerchantId>A3BHV8OQ3W90PJ</SingleMerchantId>
    </VariationSummary>
</Item>
</Items>
</ItemLookupResponse>
```

The Request that Generated the Response (REST)

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&AssociateTag=[Your Associate ID Here]
&Operation=ItemLookup
&ItemId=B00006XYAA
&MerchantId=All
&ResponseGroup=VariationSummary
```

Sort Values By Locale

Sort values allow you to choose how your `ItemSearch` search results will be ordered. Available sort values are listed by locale and the search indices that they may be used with.

- [Amazon.com \(US\) Sort Values](#)
- [Amazon.de \(DE\) Sort Values](#)
- [Amazon.co.jp \(JP\) Sort Values](#)
- [Amazon.co.uk \(UK\) Sort Values](#)
- [Amazon.fr \(FR\) Sort Values](#)
- [Amazon.ca \(CA\) Sort Values](#)

Sort Values for US

Contents

- [Apparel](#)
- [Automotive](#)
- [Baby](#)
- [Beauty](#)
- [Books](#)
- [Classical](#)
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- [DVD](#)
- [Electronics](#)
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- [VHS](#)
- [Video](#)
- [VideoGames](#)
- [Wireless](#)
- [WirelessAccessories](#)

SearchIndex: Apparel

Value	Description
relevancerank	Featured items
salesrank	Bestselling
pricerank	Price: low to high
inverseprice	Price: high to low
-launch-date	Newest arrivals
sale-flag	On sale

SearchIndex: Automotive

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Baby

Value	Description
psrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z

SearchIndex: Beauty

Value	Description
pmrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
-launch-date	Newest arrivals
sale-flag	On sale

SearchIndex: Books

Value	Description
relevancerank	Featured items
salesrank	Bestselling
reviewrank	Average customer review: high to low
pricerank	Price: low to high
inverse-pricerank	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Classical

Value	Description
psrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
orig-rel-date	Release date: newer to older

SearchIndex: DigitalMusic

Value	Description
songtitlerank	Most popular

Value	Description
uploaddaterank	Date added

SearchIndex: DVD

Value	Description
relevancerank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-video-release-date	Release date: newer to older

SearchIndex: Electronics

Value	Description
pmrank	Featured items
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z

SearchIndex: GourmetFood

Value	Description
relevancerank	Featured items
salesrank	Bestselling
pricerank	Price: low to high
inverseprice	Price: high to low
launch-date	Newest arrivals
sale-flag	On sale

SearchIndex: HealthPersonalCare

Value	Description
pmrank	Featured items
salesrank	Bestselling
pricerank	Price: low to high
inverseprice	Price: high to low
launch-date	Newest arrivals
sale-flag	On sale

SearchIndex: Jewelry

Value	Description
pmrank	Featured items
salesrank	Bestselling
pricerank	Price: low to high
inverseprice	Price: high to low
launch-date	Newest arrivals

SearchIndex: Kitchen

Value	Description
pmrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Magazines

Value	Description
subslot-salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
-price	Price: high to low
daterank	Publication date: newer to older

Value	Description
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Merchants

Value	Description
relevancerank	Featured items
salesrank	Bestselling
pricerank	Price: low to high
inverseprice	Price: high to low
-launch-date	Newest arrivals
sale-flag	On sale

SearchIndex: Miscellaneous

Value	Description
pmrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Music

Value	Description
psrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
artistrank	Artist name: A to Z
orig-rel-date	Release date: newer to older

SearchIndex: MusicalInstruments

Value	Description
pmrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
-launch-date	Newest arrivals
sale-flag	On sale

SearchIndex: MusicTracks

Value	Description
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: OfficeProducts

Value	Description
pmrank	Featured items
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z

SearchIndex: OutdoorLiving

Value	Description
psrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: PCHardware

Value	Description
psrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z

SearchIndex: PetSupplies

Value	Description
+pmrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Photo

Value	Description
pmrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Restaurants

Value	Description
relevance	Featured items
titlerank	Alphabetical: A to Z

SearchIndex: Software

Value	Description
pmrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z

SearchIndex: SportingGoods

Value	Description
relevancerank	Featured items
salesrank	Bestselling
pricerank	Price: low to high
inverseprice	Price: high to low
launch-date	Newest arrivals
sale-flag	On sale

SearchIndex: Tools

Value	Description
pmrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Toys

Value	Description
pmrank	Featured items
salesrank	Bestselling
price	Price: low to high

Value	Description
-price	Price: high to low
titlerank	Alphabetical: A to Z
-age-min	Age: high to low

SearchIndex: VHS

Value	Description
relevancerank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-video-release-date	Release date: newer to older

SearchIndex: Video

Value	Description
relevancerank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-video-release-date	Release date: newer to older

SearchIndex: VideoGames

Value	Description
pmrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z

SearchIndex: Wireless

Value	Description
daterank	Publication date: newer to older
pricerank	Price: low to high
inverse-pricerank	Price: high to low
reviewrank	Average customer review: high to low
salesrank	Bestselling
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: WirelessAccessories

Value	Description
psrank	Featured items
salesrank	Bestselling
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

Sort Values for DE

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- [ForeignBooks](#)
- [HealthPersonalCare](#)
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- [PCHardware](#)
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- [Software](#)
- [Software](#)

- [Toys](#)
- [VHS](#)
- [Video](#)
- [VideoGames](#)

SearchIndex: Books

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
pricerank	Price: low to high
inverse-pricerank	Price: high to low
-pubdate	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Classical

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
pubdate	Publication date: older to newer
-pubdate	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
-importrank	Imported items first

SearchIndex: DVD

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Electronics

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: ForeignBooks

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
pricerank	Price: low to high
inverse-pricerank	Price: high to low
-pubdate	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: HealthPersonalCare

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: HomeGarden

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low

Value	Description
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Kitchen

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Magazines

Value	Description
salesrank	Bestselling
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Music

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
pubdate	Publication date: older to newer
-pubdate	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
-importrank	Imported items first

SearchIndex: MusicTracks

Value	Description
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: OutdoorLiving

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: PCHardware

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Photo

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Software

Value	Description
salesrank	Bestselling

Value	Description
price	Price: low to high
-price	Price: high to low
-date	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Toys

Value	Description
pmrank	Featured items
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
-date	Pub Date: Old to New
titlerank	Alphabetical: A to Z

SearchIndex: VHS

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Video

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: VideoGames

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
-date	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

Sort Values for JP

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- [Software](#)
- [SportingGoods](#)
- [Toys](#)
- [VHS](#)
- [Video](#)
- [VideoGames](#)

SearchIndex: Books

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
inverse-pricerank	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Classical

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
-orig-rel-date	Release date: newer to older
orig-rel-date	Release date: older to newer

SearchIndex: DVD

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
-orig-rel-date	Release date: newer to older
orig-rel-date	Release date: older to newer

SearchIndex: Electronics

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
-releasedate	Release date: newer to older
releasedate	Release date: older to newer

SearchIndex: ForeignBooks

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
inverse-pricerank	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Hobbies

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
release-date	Release date: older to newer
-release-date	Release date: newer to older
mfg-age-min	Minimum age of user sorted from youngest to oldest.
-mfg-age-min	Minimum age of user sorted from oldest to youngest.

SearchIndex: Kitchen

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
-release-date	Release date: newer to older
release-date	Release date: older to newer

SearchIndex: Music

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
-orig-rel-date	Release date: newer to older
orig-rel-date	Release date: older to newer

SearchIndex: MusicTracks

Value	Description
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Software

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
-release-date	Release date: newer to older
release-date	Release date: older to newer

SearchIndex: SportingGoods

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
releasedate	Release date: older to newer

Value	Description
-releasedate	Release date: newer to older

SearchIndex: Toys

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
-release-date	Release date: newer to older
release-date	Release date: older to newer

SearchIndex: VHS

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
-orig-rel-date	Release date: newer to older
orig-rel-date	Release date: older to newer

SearchIndex: Video

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
-orig-rel-date	Release date: newer to older
orig-rel-date	Release date: older to newer

SearchIndex: VideoGames

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A
-release-date	Release date: newer to older
release-date	Release date: older to newer

Sort Values for UK

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- [Software](#)
- [SoftwareVideoGames](#)
- [Toys](#)
- [VHS](#)
- [Video](#)
- [VideoGames](#)

SearchIndex: Books

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
pricerank	Price: low to high
inverse-pricerank	Price: high to low
daterank	Publication date: newer to older

Value	Description
pubdate	Publication date: older to newer
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Classical

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
inverse-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: DVD

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
inverse-pricerank	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Electronics

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
inverse-pricerank	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z

Value	Description
-titlerank	Alphabetical: Z to A

SearchIndex: HealthPersonalCare

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
-price	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: HomeGarden

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
-price	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Kitchen

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
-price	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Music

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
inverse-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: MusicTracks

Value	Description
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: OutdoorLiving

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
-price	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Software

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
inverse-pricerank	Price: high to low
daterank	Publication date: newer to older

Value	Description
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: SoftwareVideoGames

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
inverse-pricerank	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Toys

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
-mfg-age-min	Age: high to low
mfg-age-min	Age: low to high

SearchIndex: VHS

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
inverse-pricerank	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Video

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
inverse-pricerank	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: VideoGames

Value	Description
salesrank	Bestselling
reviewrank	Average customer review: high to low
price	Price: low to high
inverse-pricerank	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

Sort Values for FR

Contents

- [Books](#)
- [Classical](#)
- [DVD](#)
- [Electronics](#)
- [ForeignBooks](#)
- [Music](#)
- [MusicTracks](#)
- [Software](#)
- [SoftwareVideoGames](#)
- [VHS](#)
- [VideoGames](#)

SearchIndex: Books

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
inverse-pricerank	Price: high to low
-daterank	Pub Date: Old to New
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Classical

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
inverse-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: A to Z

SearchIndex: DVD

Value	Description
salesrank	Bestselling
-pubdate	Pub Date: Old to New
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Electronics

Value	Description
salesrank	Bestselling
price	Price: Low to high
-price	Price: High to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: ForeignBooks

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
inverse-pricerank	Price: high to low
-daterank	Publication date: Old to New
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Music

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
inverse-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: MusicTracks

Value	Description
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: Software

Value	Description
salesrank	Bestselling
price	Price: low to high
-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: A to Z

SearchIndex: SoftwareVideoGames

Value	Description
salesrank	Bestselling
price	Price: low to high
-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: A to Z
-date	Rel Date: Old to New

SearchIndex: VHS

Value	Description
salesrank	Bestselling
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: VideoGames

Value	Description
salesrank	Bestselling
price	Price: low to high
-price	Price: high to low
date	Rel Date: new to old
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

Sort Values for CA

Contents

- [Books](#)
- [Classical](#)
- [DVD](#)
- [ForeignBooks](#)
- [Music](#)
- [Software](#)
- [SoftwareVideoGames](#)
- [VHS](#)

- [Video](#)
- [VideoGames](#)

SearchIndex: Books

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
inverse-pricerank	Price: high to low
daterank	Pub Date: New to Old
titlerank	Alphabetical: A to Z

SearchIndex: Classical

Value	Description
salesrank	Bestselling
titlerank	Alphabetical: A to Z
orig-rel-date	Rel Date: New to Old

SearchIndex: DVD

Value	Description
salesrank	Bestselling
titlerank	Alphabetical: A to Z

SearchIndex: ForeignBooks

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
inverse-pricerank	Price: high to low
daterank	Publication date: newer to older
titlerank	Alphabetical: A to Z

SearchIndex: Music

Value	Description
salesrank	Bestselling
titlerank	Alphabetical: A to Z
orig-rel-date	Rel Date: New to Old

SearchIndex: Software

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
inverse-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-daterank	Rel Date: Old to New

SearchIndex: SoftwareVideoGames

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
inverse-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-daterank	Rel Date: Old to New

SearchIndex: VHS

Value	Description
salesrank	Bestselling
-titlerank	Alphabetical: Z to A

SearchIndex: Video

Value	Description
salesrank	Bestselling
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

SearchIndex: VideoGames

Value	Description
salesrank	Bestselling
pricerank	Price: low to high
inverse-pricerank	Price: high to low
titlerank	Alphabetical: A to Z
-titlerank	Alphabetical: Z to A

Search Index Values

The following table provides a list of the search indices available by locale. A check mark in the table below indicates that a search index is available in a particular locale.

Note

All search index names are case-sensitive.

Search Index Name	US	UK	DE	JP	FR	CA
Apparel	✓					
Automotive	✓					
Baby	✓					
Beauty	✓					
Blended	✓	✓	✓	✓	✓	✓
Books	✓	✓	✓	✓	✓	✓
Classical	✓	✓	✓	✓	✓	✓
DigitalMusic	✓					
DVD	✓	✓	✓	✓	✓	✓
Electronics	✓	✓	✓	✓	✓	
ForeignBooks			✓	✓	✓	✓
GourmetFood	✓					
HealthPersonalCare	✓	✓	✓			
Hobbies	✓			✓		
HomeGarden		✓	✓			

Search Index Name	US	UK	DE	JP	FR	CA
Jewelry	✓					
Kitchen	✓	✓	✓	✓		
Magazines	✓		✓			
Merchants	✓					
Miscellaneous	✓					
Music	✓	✓	✓	✓	✓	✓
MusicalInstruments	✓					
MusicTracks	✓	✓	✓	✓	✓	
OfficeProducts	✓					
OutdoorLiving	✓	✓	✓			
PCHardware	✓		✓			
PetSupplies	✓					
Photo	✓		✓			
Restaurants	✓					
Software	✓	✓	✓	✓	✓	✓
SoftwareVideoGames		✓	✓		✓	✓
SportingGoods	✓			✓		
Tools	✓		✓			
Toys	✓	✓	✓	✓		
VHS						

Search Index Name	US	UK	DE	JP	FR	CA
	✓	✓	✓	✓	✓	✓
Video	✓	✓	✓	✓		✓
VideoGames	✓	✓	✓	✓	✓	✓
Wireless	✓					
WirelessAccessories	✓					

SearchIndex / Parameter Combinations

The Search Index Matrices show which `ItemSearch` parameters may be used with each search index value.

- [Amazon.com \(US\) Combinations](#)
- [Amazon.de \(DE\) Combinations](#)
- [Amazon.co.jp \(JP\) Combinations](#)
- [Amazon.co.uk \(UK\) Combinations](#)
- [Amazon.fr \(FR\) Combinations](#)
- [Amazon.ca \(CA\) Combinations](#)

SearchIndex-Parameter Combinations for US

This Search Index Matrix shows you which `ItemSearch` parameters may be used with each of the available `SearchIndex` values for the US locale.

Contents

- [Apparel](#)
- [Automotive](#)
- [Baby](#)
- [Beauty](#)
- [Blended](#)
- [Books](#)
- [Classical](#)
- [DigitalMusic](#)
- [DVD](#)
- [Electronics](#)
- [GourmetFood](#)
- [HealthPersonalCare](#)
- [Jewelry](#)
- [Kitchen](#)
- [Magazines](#)
- [Merchants](#)
- [Miscellaneous](#)
- [Music](#)
- [MusicalInstruments](#)
- [MusicTracks](#)
- [OfficeProducts](#)
- [OutdoorLiving](#)
- [PCHardware](#)
- [PetSupplies](#)
- [Photo](#)
- [Restaurants](#)
- [Software](#)

- [SportingGoods](#)
- [Tools](#)
- [Toys](#)
- [VHS](#)
- [Video](#)
- [VideoGames](#)
- [Wireless](#)
- [WirelessAccessories](#)

SearchIndex: Apparel

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- TextStream
- Title

SearchIndex: Automotive

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- TextStream
- Title

SearchIndex: Baby

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Beauty

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Blended

- Keywords

SearchIndex: Books

- Author
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId

- MinimumPrice
- Power
- Publisher
- Sort
- TextStream
- Title

SearchIndex: Classical

- Artist
- BrowseNode
- Composer
- Condition
- Conductor
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MusicLabel
- Orchestra
- Sort
- TextStream
- Title

SearchIndex: DigitalMusic

- Actor
- BrowseNode
- Condition
- DeliveryMethod
- Director
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MPAARating
- Publisher
- Sort
- TextStream
- Title

SearchIndex: DVD

- Actor
- BrowseNode
- Condition
- DeliveryMethod
- Director
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MPAARating
- Publisher
- Sort
- TextStream
- Title

SearchIndex: Electronics

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- TextStream
- Title

SearchIndex: GourmetFood

- BrowseNode
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId

- MinimumPrice
- Sort
- TextStream
- Title

SearchIndex: HealthPersonalCare

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- ItemPage
- Keywords
- Sort
- Title

SearchIndex: Jewelry

- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- TextStream
- Title

SearchIndex: Kitchen

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- Manufacturer
- MaximumPrice

- MerchantId
- MinimumPrice
- ItemPage
- Keywords
- Sort
- Title

SearchIndex: Magazines

- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Publisher
- Sort
- Title

SearchIndex: Merchants

- Keywords
- Title
- BrowseNode
- Artist
- Author
- Actor
- Director
- AudienceRating
- Manufacturer
- MusicLabel
- Composer
- Publisher
- Brand
- Conductor
- Orchestra
- TextStream
- Cuisine
- City
- Neighborhood

SearchIndex: Miscellaneous

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Music

- Artist
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MusicLabel
- Sort
- TextStream
- Title

SearchIndex: MusicalInstruments

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- ItemPage
- Keywords
- Sort
- Title

SearchIndex: MusicTracks

- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort

SearchIndex: OfficeProducts

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- ItemPage
- Keywords
- Sort
- Title

SearchIndex: OutdoorLiving

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- ItemPage
- Keywords
- Sort
- Title

SearchIndex: PCHardware

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- ItemPage
- Keywords
- Sort
- Title

SearchIndex: PetSupplies

- Keywords
- Title
- BrowseNode
- Author
- Manufacturer
- Brand
- Count
- ItemPage
- Sort
- MinimumPrice
- MaximumPrice
- MerchantId
- Condition
- DeliveryMethod

SearchIndex: Photo

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- ItemPage

- Keywords
- Sort
- TextStream
- Title

SearchIndex: Restaurants

- BrowseNode
- City
- Condition
- Cuisine
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Neighborhood
- Sort
- Title

SearchIndex: Software

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- ItemPage
- Keywords
- Sort
- Title

SearchIndex: SportingGoods

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords

- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Tools

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Toys

- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- TextStream
- Title

SearchIndex: VHS

- Actor
- BrowseNode
- Condition
- DeliveryMethod
- Director

- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MPAARating
- Publisher
- Sort
- Title

SearchIndex: Video

- Actor
- BrowseNode
- Condition
- DeliveryMethod
- Director
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MPAARating
- Publisher
- Sort
- TextStream
- Title

SearchIndex: VideoGames

- Brand
- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- TextStream

- Title

SearchIndex: Wireless

- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: WirelessAccessories

- BrowseNode
- Condition
- DeliveryMethod
- ISPUPostalCode
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex-Parameter Combinations for DE

This Search Index Matrix shows you which `ItemSearch` parameters may be used with each of the available `SearchIndex` values for the DE locale.

Contents

- [Blended](#)
- [Books](#)
- [Classical](#)
- [DVD](#)
- [Electronics](#)
- [ForeignBooks](#)
- [HealthPersonalCare](#)
- [HomeGarden](#)

- [Kitchen](#)
- [Magazines](#)
- [Music](#)
- [MusicTracks](#)
- [OutdoorLiving](#)
- [PCHardware](#)
- [Photo](#)
- [Software](#)
- [SoftwareVideoGames](#)
- [Tools](#)
- [Toys](#)
- [VHS](#)
- [Video](#)
- [VideoGames](#)

SearchIndex: Blended

- [Keywords](#)

SearchIndex: Books

- [Author](#)
- [BrowseNode](#)
- [Condition](#)
- [ItemPage](#)
- [Keywords](#)
- [MaximumPrice](#)
- [MerchantId](#)
- [MinimumPrice](#)
- [Power](#)
- [Publisher](#)
- [Sort](#)
- [Title](#)

SearchIndex: Classical

- [Artist](#)
- [BrowseNode](#)
- [Composer](#)
- [Condition](#)
- [Conductor](#)
- [ItemPage](#)
- [Keywords](#)
- [MaximumPrice](#)
- [MerchantId](#)

- MinimumPrice
- MusicLabel
- Sort
- Title

SearchIndex: DVD

- Actor
- BrowseNode
- Condition
- Director
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MPAARating
- Publisher
- Sort
- Title

SearchIndex: Electronics

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: ForeignBooks

- Author
- BrowseNode
- Condition
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Publisher

- Sort
- Title

SearchIndex: HealthPersonalCare

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: HomeGarden

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Kitchen

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Magazines

- BrowseNode

- Condition
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Publisher
- Sort
- Title

SearchIndex: Music

- Artist
- BrowseNode
- Condition
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MusicLabel
- Sort
- Title

SearchIndex: MusicTracks

- Condition
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort

SearchIndex: OutdoorLiving

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort

- Title

SearchIndex: PCHardware

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Photo

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Software

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: SoftwareVideoGames

- BrowseNode
- Condition

- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Tools

- Condition
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Toys

- Keywords
- Title
- BrowseNode
- Count
- ItemPage
- Sort
- MerchantId
- Condition
- DeliveryMethod

SearchIndex: VHS

- Actor
- BrowseNode
- Condition
- Director
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MPAARating
- Publisher

- Sort
- Title

SearchIndex: Video

- Actor
- BrowseNode
- Condition
- Director
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MPAARating
- Publisher
- Sort
- Title

SearchIndex: VideoGames

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- MPAARating
- Sort
- Title

SearchIndex-Parameter Combinations for JP

This Search Index Matrix shows you which `ItemSearch` parameters may be used with each of the available `SearchIndex` values for the JP locale.

Contents

- [Blended](#)
- [Books](#)
- [Classical](#)
- [DVD](#)
- [Electronics](#)

- [ForeignBooks](#)
- [Hobbies](#)
- [Kitchen](#)
- [Music](#)
- [MusicTracks](#)
- [Software](#)
- [SportingGoods](#)
- [Toys](#)
- [VHS](#)
- [Video](#)
- [VideoGames](#)

SearchIndex: Blended

- Keywords

SearchIndex: Books

- Author
- BrowseNode
- Condition
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Power
- Publisher
- Sort
- Title

SearchIndex: Classical

- Artist
- BrowseNode
- Composer
- Condition
- Conductor
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MusicLabel
- Orchestra

- Sort
- Title

SearchIndex: DVD

- Actor
- BrowseNode
- Condition
- Director
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Publisher
- Sort
- Title

SearchIndex: Electronics

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: ForeignBooks

- Author
- BrowseNode
- Condition
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Publisher
- Sort
- Title

SearchIndex: Hobbies

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Kitchen

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Music

- Artist
- BrowseNode
- Condition
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MusicLabel
- Sort
- Title

SearchIndex: MusicTracks

- Condition

- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort

SearchIndex: Software

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: SportingGoods

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Toys

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: VHS

- Actor
- BrowseNode
- Condition
- Director
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Publisher
- Sort
- Title

SearchIndex: Video

- Actor
- BrowseNode
- Condition
- Director
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Publisher
- Sort
- Title

SearchIndex: VideoGames

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex-Parameter Combinations for UK

This Search Index Matrix shows you which `ItemSearch` parameters may be used with each of the available `SearchIndex` values for the UK locale.

Contents

- [Blended](#)
- [Books](#)
- [Classical](#)
- [DVD](#)
- [Electronics](#)
- [HealthPersonalCare](#)
- [HomeGarden](#)
- [Kitchen](#)
- [Music](#)
- [MusicTracks](#)
- [OutdoorLiving](#)
- [Software](#)
- [SoftwareVideoGames](#)
- [Toys](#)
- [VHS](#)
- [Video](#)
- [VideoGames](#)

SearchIndex: Blended

- `Keywords`

SearchIndex: Books

- `Author`
- `BrowseNode`
- `Condition`
- `ItemPage`
- `Keywords`
- `MaximumPrice`
- `MerchantId`
- `MinimumPrice`
- `Power`
- `Publisher`
- `Sort`
- `Title`

SearchIndex: Classical

- Artist
- BrowseNode
- Composer
- Condition
- Conductor
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MusicLabel
- Orchestra
- Sort
- Title

SearchIndex: DVD

- Actor
- BrowseNode
- Condition
- Director
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MPAARating
- Publisher
- Sort
- Title

SearchIndex: Electronics

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: HealthPersonalCare

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: HomeGarden

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Kitchen

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Music

- Artist
- BrowseNode
- Condition
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MusicLabel
- Sort
- Title

SearchIndex: MusicTracks

- Condition
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort

SearchIndex: OutdoorLiving

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Software

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice

- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: SoftwareVideoGames

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: Toys

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: VHS

- Actor
- BrowseNode
- Condition
- Director
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Publisher

- Sort
- Title

SearchIndex: Video

- Actor
- BrowseNode
- Condition
- Director
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MPAARating
- Publisher
- Sort
- Title

SearchIndex: VideoGames

- Brand
- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex-Parameter Combinations for FR

This Search Index Matrix shows you which `ItemSearch` parameters may be used with each of the available `SearchIndex` values for the FR locale.

Contents

- [Blended](#)
- [Books](#)
- [Classical](#)
- [DVD](#)
- [Electronics](#)

- [ForeignBooks](#)
- [Music](#)
- [MusicTracks](#)
- [Software](#)
- [SoftwareVideoGames](#)
- [VHS](#)
- [VideoGames](#)

SearchIndex: Blended

- Keywords

SearchIndex: Books

- Author
- BrowseNode
- Condition
- Count
- DeliveryMethod
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Power
- Publisher
- Sort
- Title

SearchIndex: Classical

- Author
- BrowseNode
- Composer
- Condition
- Conductor
- Count
- DeliveryMethod
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MusicLabel
- Sort

- Title

SearchIndex: DVD

- Actor
- AudienceRating
- BrowseNode
- Condition
- Count
- Director
- DeliveryMethod
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Publisher
- Sort
- Title

SearchIndex: Electronics

- BrowseNode
- Condition
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: ForeignBooks

- Author
- BrowseNode
- Condition
- Count
- DeliveryMethod
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice

- Power
- Publisher
- Sort
- Title

SearchIndex: Music

- Artist
- BrowseNode
- Condition
- Count
- DeliveryMethod
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MusicLabel
- Power
- Sort
- Title

SearchIndex: MusicTracks

- BrowseNode
- Condition
- Count
- DeliveryMethod
- ItemPage
- Keywords
- MerchantId
- MinimumPrice
- Sort

SearchIndex: Software

- BrowseNode
- Condition
- Count
- DeliveryMethod
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId

- MinimumPrice
- Sort
- Title

SearchIndex: SoftwareVideoGames

- Author
- BrowseNode
- Condition
- Count
- DeliveryMethod
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: VHS

- Actor
- BrowseNode
- Condition
- Count
- DeliveryMethod
- Director
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Publisher
- Sort
- Title

SearchIndex: VideoGames

- Author
- Brand
- BrowseNode
- Condition
- Count
- DeliveryMethod

- `ItemPage`
- `Keywords`
- `Manufacturer`
- `MaximumPrice`
- `MerchantId`
- `MinimumPrice`
- `Sort`
- `Title`

SearchIndex-Parameter Combinations for CA

This Search Index Matrix shows you which `ItemSearch` parameters may be used with each of the available `SearchIndex` values for the CA locale.

Contents

- [Blended](#)
- [Books](#)
- [Classical](#)
- [DVD](#)
- [ForeignBooks](#)
- [Music](#)
- [Software](#)
- [SoftwareVideoGames](#)
- [VHS](#)
- [Video](#)
- [VideoGames](#)

SearchIndex: Blended

- `Keywords`

SearchIndex: Books

- `Author`
- `BrowseNode`
- `Condition`
- `Count`
- `DeliveryMethod`
- `ItemPage`
- `Keywords`
- `MaximumPrice`
- `MerchantId`
- `MinimumPrice`
- `Power`

- Publisher
- Sort
- Title

SearchIndex: Classical

- Author
- BrowseNode
- Composer
- Condition
- Conductor
- Count
- DeliveryMethod
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MusicLabel
- Sort
- Title

SearchIndex: DVD

- Actor
- AudienceRating
- BrowseNode
- Condition
- Count
- Director
- DeliveryMethod
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Publisher
- Sort
- Title

SearchIndex: ForeignBooks

- BrowseNode
- Condition
- Count

- DeliveryMethod
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Power
- Publisher
- Sort
- Title

SearchIndex: Music

- Artist
- BrowseNode
- Condition
- Count
- DeliveryMethod
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- MusicLabel
- Power
- Sort
- Title

SearchIndex: Software

- BrowseNode
- Condition
- Count
- DeliveryMethod
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: SoftwareVideoGames

- Author
- BrowseNode
- Condition
- Count
- DeliveryMethod
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

SearchIndex: VHS

- Actor
- BrowseNode
- Condition
- Count
- DeliveryMethod
- Director
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice
- Publisher
- Sort
- Title

SearchIndex: Video

- Actor
- AudienceRating
- BrowseNode
- Condition
- Count
- DeliveryMethod
- Director
- ItemPage
- Keywords
- MaximumPrice
- MerchantId
- MinimumPrice

- Publisher
- Sort
- Title

SearchIndex: VideoGames

- Author
- Brand
- BrowseNode
- Condition
- Count
- DeliveryMethod
- ItemPage
- Keywords
- Manufacturer
- MaximumPrice
- MerchantId
- MinimumPrice
- Sort
- Title

Browse Node Values

Amazon's retail browse nodes allow us to dynamically categorize every Amazon ASIN into one or more categories. Browse nodes themselves are also categorized. For example, within the Amazon.com Books browse nodes, there is a node for each top-level Subject (Arts & Photography, Biographies & Memoirs, Business & Investing, Children's Books, etc.). There are also nodes for each book Format (Accessories, Audio CDs, Audiocassettes, etc.). A single ASIN may appear in a Subject node, Format node, or Brand node.

For several reasons, some categories of browse nodes are not accessible via Amazon E-Commerce Service (ECS). For example, some ASINs are associated with browse nodes only temporarily; ECS cannot access these associations. The browse nodes that fall in this category are extremely dynamic and the ASINs associated with them change daily or even hourly.

Browse Node Values By Locale

The following pages provide lists of some of our more popular browse nodes and the search indexes with which you are most likely to use them.

- [Amazon.com \(US\) Browse Node Values](#)
- [Amazon.de \(DE\) Browse Node Values](#)
- [Amazon.co.jp \(JP\) Browse Node Values](#)
- [Amazon.co.uk \(UK\) Browse Node Values](#)
- [Amazon.fr \(FR\) Browse Node Values](#)
- [Amazon.ca \(CA\) Browse Node Values](#)

Finding Browse Nodes on Amazon's Web sites

The browse structure is the way that Amazon.com organizes products into subjects and categories on our site so that customers can find the product they want easily and efficiently. A browse ID is a number that corresponds to a general subject area of Amazon.com. (For example, the browse ID for the cookbooks category on Amazon.com is 6).

To find browse IDs at Amazon.com, the best way is to visit the "browse" area of the various product lines on our web sites. When you find a browse area that you would like to use to refine your search requests, look at the web page URL. The browse ID should appear after the string `/tg/browse/-/` in some URLs and in the query string of URLs containing `gp/browse.html`. Here are some examples of URLs that contain browse IDs:

URL	Comments
<code>http://www.amazon.com/exec/obidos/tg/browse/-/30</code>	The browse node is 30
<code>http://www.amazon.com/exec/obidos/tg/browse/-/5</code>	The browse node is 5
<code>http://www.amazon.com/gp/browse.html?node=3890411</code>	The browse node is 3890411
<code>http://www.amazon.com/gp/browse.html?node=1044440</code>	The browse node is

URL	Comments
	1044440

Browse Nodes for US

Contents

- [Baby](#)
- [Books](#)
- [Classical](#)
- [DVD](#)
- [Electronics](#)
- [Kitchen](#)
- [Magazines](#)
- [Music](#)
- [OfficeProducts](#)
- [OutdoorLiving](#)
- [PCHardware](#)
- [PetSupplies](#)
- [Photo](#)
- [Restaurants](#)
- [Software](#)
- [SportingGoods](#)
- [Tools](#)
- [Toys](#)
- [VHS](#)
- [VideoGames](#)
- [Wireless](#)

SearchIndex: Baby

- Activity: 542460
- Bath & Potty: 541586
- Feeding: 541564
- For Moms: 764538
- Gear: 541558
- Health & Safety: 541580
- Layette: 738468
- Nursery: 541572

SearchIndex: Books

- Arts & Photography: 1

- Biographies & Memoirs: 2
- Business & Investing: 3
- Children's Books: 4
- Comics & Graphic Novels: 4366
- Computers & Internet: 5
- Cooking, Food & Wine: 6
- Engineering: 13643
- Entertainment: 86
- Gay & Lesbian: 301889
- Health, Mind & Body: 10
- History: 9
- Home & Garden: 48
- Horror: 49
- Law: 10777
- Literature & Fiction: 17
- Medicine: 13996
- Mystery & Thrillers: 18
- Nonfiction: 53
- Outdoors & Nature: 290060
- Parenting & Families: 20
- Professional & Technical: 173507
- Reference: 21
- Religion & Spirituality: 22
- Romance: 23
- Science: 75
- Science Fiction & Fantasy: 25
- Sports: 26
- Teens: 28
- Travel: 27

SearchIndex: Classical

- Ballets & Dances: 5260
- Chamber Music: 5318
- Featured Composers, A-Z: 5338
- Featured Performers, A-Z: 38472
- Forms & Genres: 36632
- General: 300358
- Historical Periods: 36712
- Index: 573448
- Instruments: 38374
- Sacred & Religious: 63654
- Symphonies: 63681

SearchIndex: DVD

- Action & Adventure: 163296
- African American Cinema: 538708
- Animation: 712256
- Anime & Manga: 517956
- Art House & International: 163313
- Classics: 163345
- Comedy: 163357
- Cult Movies: 466674
- Documentary: 508532
- Drama: 163379
- Educational: 290738
- Fitness & Yoga: 578324
- Gay & Lesbian: 301667
- Horror: 163396
- Kids & Family: 163414
- Military & War: 586156
- Music Video & Concerts: 163420
- Musicals & Performing Arts: 508528
- Mystery & Suspense: 512030
- Science Fiction & Fantasy: 163431
- Special Interests: 163448
- Sports: 467970
- Television: 163450
- Westerns: 163312

SearchIndex: Electronics

- Accessories & Supplies: 281407
- Audio & Video: 1065836
- Car Electronics: 1077068
- Clocks & Clock Radios: 509280
- Computer Add-Ons: 172455
- Electronic Watches: 1199074
- Flashlights: 11038771
- Gadgets: 172517
- GPS & Navigation: 172526
- Handhelds & PDAs: 172594
- Home Automation & Security: 11040111
- Office Electronics: 172574
- Printers: 172635
- Telephones: 172606

SearchIndex: Kitchen

- Baking: 289668

- Bar Tools & Glasses: 289728
- Coffee, Tea & Espresso: 289742
- Cook's Tools & Gadgets: 289754
- Cookbooks: 554616
- Cookware: 289814
- Cutlery: 289851
- Housewares: 510080
- Kitchen Linens: 1063916
- Kitchen Plumbing Fixtures & Sinks: 3742041
- Large Appliances: 3741171
- Small Appliances: 289913
- Storage & Organization: 3610841
- Tableware: 289891

SearchIndex: Magazines

- Arts & Crafts: 602314
- Automotive: 602316
- Bridal: 602318
- Business & Finance: 602320
- Children's: 602322
- Computer & Internet: 602324
- Electronics & Audio: 602326
- Entertainment: 602328
- Family & Parenting: 602330
- Fashion & Style: 602332
- Food & Gourmet: 602334
- Games & Hobbies: 602336
- Gay & Lesbian: 602338
- Health & Fitness: 602340
- History: 602342
- Home & Garden: 602344
- International: 602346
- Lifestyle & Cultures: 602348
- Literary: 602350
- Men's Interest: 602352
- Music: 602354
- News & Politics: 602358
- Newspapers: 1040160
- Pets: 602360
- Professional & Trade: 1115660
- Religion & Spirituality: 602362
- Science & Nature: 602364
- Spanish-Language: 1040158
- Sports & Leisure: 602366

- Teens: 602368
- Travel & Regional: 602370
- Women's Interest: 602372

SearchIndex: Music

- Alternative Rock: 30
- Blues: 31
- Broadway & Vocalists: 265640
- Children's Music: 173425
- Christian & Gospel: 173429
- Classic Rock: 67204
- Classical: 85
- Country: 16
- Dance & DJ: 7
- Folk: 32
- Hard Rock & Metal: 67207
- International: 33
- Jazz: 34
- Latin Music: 289122
- Miscellaneous: 35
- New Age: 36
- Opera & Vocal: 84
- Pop: 37
- R&B: 39
- Rap & Hip-Hop: 38
- Rock: 40
- Soundtracks: 42

SearchIndex: OfficeProducts

- Business Presentation Supplies: 1069254
- Cleaning & Maintenance: 1068798
- Furniture & Accessories: 1069102
- Lighting: 1068956
- Lunchroom Supplies: 1068716
- Mailroom Supplies: 1068972
- Office Supplies: 1069242
- Safety & First Aid: 1068778
- Teaching Materials: 1068990

SearchIndex: OutdoorLiving

- Gardening Tools: 10925081
- Gifts: 553648

- Grills, Fryers & Outdoor Cooking: 553760
- Heating & Lighting: 553778
- Lawn & Garden Tools: 915192
- Leisure & Fitness: 1063918
- Outdoor Decor: 553788
- Patio Furniture: 553824
- Pest Control: 553844
- Plants, Seeds & Flowers: 3610851

SearchIndex: PCHardware

- Desktops: 565098
- Notebooks: 565108
- Servers: 11036071

SearchIndex: PetSupplies

- Aquatic Pets: 12923381
- Birds: 12923981
- Cats: 12924061
- Dogs: 12925321
- Insects & Spiders: 12926701
- Other Pets: 12937551
- Reptiles & Amphibians: 12926711
- Small Animals: 12927351

SearchIndex: Photo

- Accessories: 172435
- Camcorders: 172421
- Digital Cameras: 281052
- Film Cameras: 499106
- Graphics Software: 554886
- Optics: 499320
- Photography Books: 554888
- Printers & Scanners: 499328
- Projectors: 525462
- Surveillance Systems: 524136

SearchIndex: Restaurants

- African (Other): 1002938
- American: 1002940
- American Regional: 1002942
- Asian (Other): 1002944

- Bakery: 1002946
- Bar & Pub: 1002948
- Cajun & Creole: 1002950
- Caribbean: 1002952
- Chinese: 1002954
- Coffee & Tea Houses: 1002956
- Cuban: 1002958
- Deli: 1002960
- Dessert: 1002962
- Eastern European: 1002964
- Ethiopian: 1002966
- European (Other): 1002968
- French: 1002970
- Fusion: 1002972
- German: 1002974
- Greek: 1002976
- Indian: 1002978
- Irish: 1002980
- Italian: 1002982
- Japanese: 1002984
- Korean: 1002986
- Latin American: 1002988
- Lebanese: 1002990
- Malaysian: 1002992
- Mediterranean: 1002994
- Mexican: 1002996
- Middle Eastern: 1002998
- Moroccan: 1003000
- New American: 1003002
- New Latin: 1003004
- Other Cuisines: 1003006
- Pan-Asian: 1003008
- Pizza: 1003010
- Seafood: 1003012
- South American: 1003014
- Spanish: 1003016
- Steak House: 1003018
- Thai: 1003020
- Turkish: 1003022
- Vegetarian & Health Food: 1003024
- Vietnamese: 1003026

SearchIndex: Software

- Business & Office: 229535

- Business & Office Management Software: 283891
- Children's Software: 229548
- Education & Reference: 229563
- Graphics: 229614
- Home & Hobbies: 229624
- Language & Travel: 497026
- Linux: 290562
- Macintosh: 229643
- Networking: 229637
- Operating Systems: 229653
- Personal Finance: 229540
- Programming: 229667
- Software Downloads: 531448
- Software for Handhelds: 229663
- Utilities: 229672
- Video & Music: 497022
- Web Development: 497024

SearchIndex: SportingGoods

- Sports Equipment: 3395101
- Accessories: 339481
- Fan Shop: 3386071
- Apparel: 3375311
- Footwear: 3392741
- Sports Medicine: 3422351

SearchIndex: Tools

- Agricultural & Excavating Tools: 3753961
- Automotive: 553294
- Collectibles & Toy Models: 923468
- Electrical: 495266
- Hand Tools: 551238
- Hardware: 511228
- Heating & Cooling: 495346
- Hydraulics: 3754081
- Job Site Equipment: 551240
- Lawn & Landscaping: 551242
- Lighting: 495224
- Plumbing Fixtures & Faucets: 3754161
- Power Tools: 551236
- Safety & Security: 3180231

SearchIndex: Toys

- Action Figures: 171662
- Activities & Learning: 171911
- Arts & Crafts: 171859
- Bikes, Scooters & More: 569472
- Building Sets, Blocks & Models: 171814
- Dolls: 171569
- Electronics: 720366
- Furniture for Kids: 172790
- Games: 171689
- Kids' Video Games: 554996
- Puzzles: 171744
- Sports & Outdoor Play: 171960
- Stuffed Animals: 171992
- Vehicles & Die-Cast: 171600

SearchIndex: VHS

- Action & Adventure: 141
- African American Cinema: 301597
- Animation: 712260
- Anime & Manga: 281300
- Art House & International: 126
- Classics: 127
- Comedy: 128
- Cult Movies: 162482
- Documentary: 508530
- Drama: 129
- Educational: 290220
- Fitness: 169660
- Gay & Lesbian: 301665
- Horror: 131
- Kids & Family: 132
- Military & War: 586154
- Music Video & Concerts: 133
- Musicals & Performing Arts: 508526
- Mystery & Suspense: 512026
- Science Fiction & Fantasy: 144
- Special Interests: 135
- Sports: 169798
- Television: 136
- Westerns: 139725

SearchIndex: VideoGames

- Game Boy Advance: 541020

- GameCube: 541022
- Mac Games: 229647
- More Systems: 294940
- Nintendo DS: 11075831
- Nokia N-Gage: 10986441
- PC Games: 229575
- PDAs: 10986071
- PlayStation: 229773
- PlayStation2: 301712
- Sony PSP: 11075221
- Xbox: 537504

SearchIndex: Wireless

- Accessories: 301188
- Phones: 301187
- Service Plans: 301186

Browse Nodes for DE

Contents

- [Books](#)
- [Classical](#)
- [DVD](#)
- [Electronics](#)
- [ForeignBooks](#)
- [HealthPersonalCare](#)
- [HomeGarden](#)
- [Kitchen](#)
- [Magazines](#)
- [Music](#)
- [OutdoorLiving](#)
- [Photo](#)
- [Software](#)
- [SoftwareVideoGames](#)
- [Tools](#)
- [Toys](#)
- [VHS](#)
- [VideoGames](#)

SearchIndex: Books

- Antiquarische Bücher: 4185461
- Belletristik: 117

- Business & Karriere: 403434
- Börse & Geld: 120
- Computer & Internet: 124
- Erotik: 11063821
- Fachbücher: 288100
- Film, Kultur & Comics: 548400
- Kinder- & Jugendbücher: 280652
- Kochen & Lifestyle: 122
- Krimis & Thriller: 287480
- Lernen & Nachschlagen: 403432
- Musiknoten: 1199902
- Naturwissenschaften & Technik: 121
- Politik, Biografien & Geschichte: 143
- Ratgeber: 536302
- Reise & Sport: 298002
- Religion & Esoterik: 188795
- Science Fiction, Fantasy & Horror: 142

SearchIndex: Classical

- Allgemein: 638682
- Audiophile Aufnahmen: 754318
- Bestseller: 758854
- Boxen & Gesamtaufnahmen: 1038444
- Gattungen: 550142
- Historische Aufnahmen: 754320
- Historische Perioden: 255980
- Interpreten: 513528
- Komponisten: 256029
- Live-Mitschnitte: 754344
- Musikkassetten: 589804
- Populäre Klassik: 518124

SearchIndex: DVD

- Action, Thriller & Horror: 289093
- Kinder & Familie: 290505
- Komödie & Drama: 290800
- Musik-DVDs: 289312
- Originalfassungen: 526774
- Science Fiction & Fantasy: 548404
- Sprachfassungen: 549228
- TV & Dokumentationen: 1027630

SearchIndex: Electronics

- Computer & Zubehör: 700962
- Heimkino & Video: 761254
- Hifi & Audio: 571760
- Hobby & Freizeit: 10717441
- Kamera & Foto: 571860
- Telefone & Handys: 571954
- Tragbare Geräte: 571712
- Zubehör: 569866

SearchIndex: ForeignBooks

- Arts & Photography: 918374
- Biographies & Memoirs: 918376
- Business & Investing: 918378
- Children's Books: 918380
- Computers & Internet: 918382
- Cooking, Food & Wine: 918384
- Engineering: 918386
- Entertainment: 918388
- Gay & Lesbian: 918390
- Health, Mind & Body: 918392
- History: 918394
- Home & Garden: 918396
- Horror: 918398
- Law: 918400
- Literature & Fiction: 918402
- Medicine: 918404
- Mystery & Thrillers: 918406
- Nonfiction: 918408
- Outdoors & Nature: 918410
- Parenting & Families: 918412
- Professional & Technical: 918414
- Reference: 918416
- Religion & Spirituality: 918418
- Romance: 918420
- Science: 918422
- Science Fiction & Fantasy: 918424
- Sports: 918426
- Teens: 918428
- Travel: 918430

SearchIndex: HealthPersonalCare

- Bad-Accessoires: 11052091
- Gesundheit, Wellness & Beauty: 11052281

- Haarpflege: 11052371
- Mund- & Zahnpflege: 11052421
- Personenwaagen: 11052461
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WSDL and Schema Locations

Amazon E-Commerce Service (ECS) publishes its API through Web Services Description Language (WSDL) documents, which you can use to construct SOAP requests. ECS also provides XML schemas for validating the XML output of REST requests. WSDL documents and XML schemas are available for different versions and different locales.

Default WSDL and Schema locations

The following table shows the location of the latest ECS WSDL, by locale:

Locale	URL
US	http://webservices.amazon.com/AWSECommerceService/AWSECommerceService.wsdl
UK	http://webservices.amazon.com/AWSECommerceService/UK/AWSECommerceService.wsdl
DE	http://webservices.amazon.com/AWSECommerceService/DE/AWSECommerceService.wsdl
JP	http://webservices.amazon.com/AWSECommerceService/JP/AWSECommerceService.wsdl
FR	http://webservices.amazon.com/AWSECommerceService/FR/AWSECommerceService.wsdl
CA	http://webservices.amazon.com/AWSECommerceService/CA/AWSECommerceService.wsdl

The following table shows the location of the latest ECS XML schema, by locale:

Locale	URL
US	http://webservices.amazon.com/AWSECommerceService/AWSECommerceService.xsd
UK	http://webservices.amazon.com/AWSECommerceService/UK/AWSECommerceService.xsd
DE	http://webservices.amazon.com/AWSECommerceService/DE/AWSECommerceService.xsd
JP	http://webservices.amazon.com/AWSECommerceService/JP/AWSECommerceService.xsd
FR	http://webservices.amazon.com/AWSECommerceService/FR/AWSECommerceService.xsd
CA	http://webservices.amazon.com/AWSECommerceService/CA/AWSECommerceService.xsd

Finding the Service Version

Starting with Amazon E-Commerce Service (ECS) 4.0, Amazon is introducing the concept of service versioning, which allows you to specify which version of ECS you wish to use so that future enhancements and changes to ECS are not intrusive to your applications. Service versioning ensures, for example, that when Amazon adds new elements to the ECS schema, applications that validate against the current or older ECS schemas are not affected.

The ECS service version is defined in the namespace of the ECS Web Services Description Language (WSDL) document. The WSDL namespace appears in the first line or element of the WSDL file. The following is the first element from an ECS WSDL:

```
<definitions xmlns="http://schemas.xmlsoap.org/wsdl/"  
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"  
xmlns:xs="http://www.w3.org/2001/XMLSchema"
```

```
xmlns:tns="http://webservices.amazon.com/AWSECommerceService/2006-03-08"  
target-  
Namespace="http://webservices.amazon.com/AWSECommerceService/2006-03-08">
```

Retrieving a WSDL Document

The namespace of the WSDL file is the value of the attribute named *targetNamespace*; therefore, the namespace from the example above is

<http://webservices.amazon.com/AWSECommerceService/2006-03-08>. The version of the WSDL is simply the date that is embedded within the namespace. In this case, the version is **2006-03-08**.

ECS WSDL versions appear both in the WSDL namespace and in the URL to the WSDL file. Specifically, the URL for the WSDL used for the example above is the following:

<http://webservices.amazon.com/AWSECommerceService/2006-03-08/AWSECommerceService.wsdl>

Note

If you omit the version (**2006-03-08**) from the WSDL URL, you receive the latest WSDL version, by default. For example, the following URL retrieves the latest WSDL for the US locale:

<http://webservices.amazon.com/AWSECommerceService/AWSECommerceService.wsdl>

Retrieving an XML Schema

The XML schema for REST responses is also versioned. Just as you can access specific WSDL versions by including the version number (or date) in the WSDL URL, you can also access schemas by inserting the version number in the schema URL. Here is the URL you would use to access the schema associated with the WSDL above:

<http://webservices.amazon.com/AWSECommerceService/2006-03-08/AWSECommerceService.xsd>

Locale-specific Service Version

The URLs mentioned so far in this section all return the WSDL for the US locale. To retrieve the ECS WSDL for other locales, insert the locale code (US, UK, DE, or JP) after the date in the URL path. The following table shows WSDL examples for all four locales. Replace **AWSECommerceService.wsdl** with **AWSECommerceService.xsd** to retrieve the XML schema instead of the WSDL document.

Locale	URL
US	http://webservices.amazon.com/AWSECommerceService/2006-03-08/US/AWSECommerceService.wsdl
UK	http://webservices.amazon.com/AWSECommerceService/2006-03-08/UK/AWSECommerceService.wsdl
DE	http://webservices.amazon.com/AWSECommerceService/2006-03-08/DE/AWSECommerceService.wsdl
JP	http://webservices.amazon.com/AWSECommerceService/2006-03-08/JP/AWSECommerceService.wsdl

Locale	URL
	tp://webservices.amazon.com/AWSECommerceService/2006-03-08/JP/AWSECommerceService.wsdl
FR	ht-tp://webservices.amazon.com/AWSECommerceService/2006-03-08/FR/AWSECommerceService.wsdl
CA	ht-tp://webservices.amazon.com/AWSECommerceService/2006-03-08/CA/AWSECommerceService.wsdl

Note

If a locale code is omitted, you receive the US WSDL by default.

Accessing a Specific Service Version

SOAP requests always have their namespace, which includes the version, embedded in them. To avoid problems with schema changes, be sure you build your SOAP application using a versioned WSDL, rather than the default WSDL.

For REST requests, if your application requires a specific service or schema version, you must explicitly request the version you desire by including the *Version* parameter in your request. Including the *Version* parameter ensures that ECS does not return to you response elements that your application is not designed to handle.

The *Version* parameter is optional. If you do not include it, your response is based on the most recent schema.

Here is an example REST request that includes the *Version* parameter:

```
http://webservices.amazon.com/onca/xml?Service=AWSECommerceService
&AWSAccessKeyId=[Your Access Key ID Here]
&Operation=ItemSearch &SearchIndex=DVD &Actor=Tom%20Hanks
&Version=2006-03-08
```

Error Codes and Messages

Amazon E-Commerce Service (ECS) errors provide you with information about syntactical errors in your requests, as well as errors that occur during the execution of your request (for example, a search for products returns no results). Errors are composed of two elements: *code* and *message*. The error code is a unique string that identifies the error; the error message is a human-readable description of the error that serves as an aid in debugging. These elements will be nested within an Error element. If a request generates more than one error, all Errors will appear in the response.

Errors may appear at different levels in your response. Their location reflects at what stage in the execution of the request the error was generated and what kind of error it is. Errors in syntax that prevent requests from being executed will appear as children of the response's root element. An error associated with a particular item in the response will be a child of the Item element. See the sample requests for examples of each of these situations.

For a more detailed description of error handling, consult the [Handling Error Codes](#) chapter in the Programming Guide.

ECS returns error messages in English for the Amazon.com (US), Amazon.co.uk (UK), Amazon.de (DE), Amazon.fr (FR), and Amazon.ca (CA) locales. Error messages are in Japanese for the Amazon.co.jp (JP) locale.

Error Code & Description	Message	Affected Operations
<p>AWS.ExactParameterRequirement</p> <p>You will receive this message when the value of your parameter is longer than permitted by ECS.</p>	<p>Your request contains too much data for <i>[ParameterName]</i>. This parameter can have a maximum length of <i>[MaximumNumber]</i>.</p>	All
<p>AWS.ExceededMaximumParameterValues</p> <p>You will receive this error message when you specify too many values for one or more parameters in your request (i.e., 11 transaction IDs for the TransactionId parameter in TransactionLookup, instead of ten or fewer).</p>	<p>Your request contains too many values for <i>[ParameterName]</i>. This parameter can have a maximum of <i>[MaximumNumber]</i> values.</p>	<ul style="list-style-type: none"> ItemLookup SimilarityLookup SellerLookup TransactionLookup SellerListingLookup
<p>AWS.InsufficientParameterValues</p> <p>You will receive this error message when your request contains an insufficient number of values for a required parameter.</p>	<p>Your request contains too few values for <i>[Parameter Name]</i>. This parameter must have a minimum of <i>[Minimum Value]</i> values.</p>	All
<p>AWS.InternalError</p> <p>You will receive this error if ECS is unable to complete your request due to an internal prob-</p>	<p>We are unable to process your request at this time. Please retry your request. If you encounter this error repeatedly, please post</p>	All

Error Code & Description	Message	Affected Operations
<p>lem or outage. For SOAP, this will be presented as a SOAP fault rather than an error.</p>	<p>a message on the AWS discussion board.</p>	
<p>AWS.InvalidEnumeratedParameter</p> <p>You will receive this error message when your request contains an invalid value for a parameter that has an explicit list of valid values, such as <code>DeliveryMethod</code> or <code>SearchIndex</code>.</p>	<p>The value you specified for <code>[ParameterName]</code> is invalid. Valid values include <code>[EnumeratedValuesList]</code>.</p>	<ul style="list-style-type: none"> • <code>CartAdd</code> • <code>CartCreate</code> • <code>CartModify</code> • <code>CustomerContentLookup</code> • <code>Help</code> • <code>ItemLookup</code> • <code>ItemSearch</code> • <code>ListLookup</code> • <code>ListSearch</code> • <code>SellerListingLookup</code> • <code>SellerListingSearch</code> • <code>SellerLookup</code> • <code>SimilarityLookup</code>
<p>AWS.InvalidISO8601Time</p> <p>You will receive this error when your request contains a date or time value that is not formatted according to the profile of the ISO-8601 date/time standard that is described at http://www.w3.org/TR/NOTE-datetime. For example, this error will be returned if your request contains an invalid value for the <code>Version</code> parameter.</p>	<p><code>[ParameterName]</code> has an invalid value. It must contain a valid ISO 8601 date and time.</p>	<p>All</p>
<p>AWS.InvalidOperationForMarketplace</p> <p>You will receive this error message when you try to execute an operation in a locale where the operation is not supported.</p>	<p>This operation, <code>[OperationName]</code>, is not available for this locale.</p>	<p>All</p>
<p>AWS.InvalidOperationParameter</p> <p>You will receive this error message when the operation name you entered is not available from ECS. For instance, if you tried to use <code>AsinSearch</code> (from AWS 3.0) as an operation name, you would get this error since</p>	<p>The Operation parameter is invalid. Please modify the Operation parameter and retry. Valid values for the Operation parameter include <code>[ListOfOperationValues]</code>.</p>	<p>All</p>

Error Code & Description	Message	Affected Operations
AsinSearch is not a valid operation name in ECS 4.0.		
<p>AWS.InvalidParameterCombina tion</p> <p>You will receive this error message when two or more of the request parameters you have entered can not be used in the same request. For example, if you are using the CartAdd operation, you would receive this error if you tried to add items to the cart by both ASIN and OfferListingId.</p>	<p>Your request contains an invalid parameter combination. <i>[ParameterName]</i> and <i>[ParameterName]</i> cannot appear in the same request.</p>	<ul style="list-style-type: none"> • ItemSearch • CartCreate • CartAdd • SellerListingSearch
<p>AWS.InvalidParameterValue</p> <p>You will receive this error message when your request contains an invalid value for an ID parameter, such as ItemId or SellerId.</p>	<p><i>[ParameterValue]</i> is not a valid value for <i>[ParameterName]</i>. Please change this value and retry your request.</p>	<ul style="list-style-type: none"> • CartAdd • CartCreate • CartModify • CustomerContentLookup • Help • ItemLookup • ItemSearch • ListLookup • ListSearch • SellerListingLookup • SellerListingSearch • SellerLookup • SimilarityLookup
<p>AWS.InvalidResponseGroup</p> <p>You will receive this error message when the response group name you entered in your request is incompatible with the operation you would like to perform.</p>	<p>Your ResponseGroup parameter is invalid. Valid response groups for <i>[Operation Name]</i> requests include <i>[Available Response Group List]</i>.</p>	All
<p>AWS.InvalidServiceParameter</p> <p>You will receive this error message when the service name you provide in your request is not recognized or supported by Amazon. All ECS requests should use the service name "AWSECommerceService."</p>	<p>The Service parameter is invalid. Please modify the Service parameter and retry. Valid values for the Service parameter include <i>[ValidServicesList]</i>.</p>	All

Error Code & Description	Message	Affected Operations
<p>AWS.InvalidSubscriptionId</p> <p>You will receive this error message when the subscription ID you use in your request is not recognized by AWS.</p>	<p>Your request contains an invalid subscription ID. Please retry your request with a valid subscription ID.</p>	All
<p>AWS.InvalidXSLTAddress</p> <p>You will receive this error if the AWS XSLT service is unable to access the XSLT file you used as the value for the Style parameter in your request</p>	<p>We are unable to access your XSLT file. Please verify that you have specified a valid address to your XSLT file.</p>	All
<p>AWS.MaximumParameterRequirement</p> <p>You receive this error message when your request contains the wrong number of parameters from an exclusive group.</p>	<p>Your request should have at most <i>[Maximum Number]</i> of the following parameters: <i>[Parameter Names]</i>.</p>	All
<p>AWS.MinimumParameterRequirement</p> <p>You receive this error message when your request contains the wrong number of parameters from an exclusive group.</p>	<p>Your request should have at least <i>[Minimum Number]</i> of the following parameters: <i>[Parameter Names]</i>.</p>	All
<p>AWS.MissingOperationParameter</p> <p>You will receive this error message when your request does not include the Operation parameter and the name of the operation you would like to perform.</p>	<p>Your request is missing the Operation parameter. Please add the Operation parameter to your request and retry. Valid values for the Operation parameter include <i>[ValidOperationsList]</i>.</p>	All
<p>AWS.MissingParameterCombination</p> <p>You will receive this error message when your request does not contain a combination of two or more parameters that must be present together in your request.</p>	<p>Your request is missing a required parameter combination. Required parameter combinations include <i>[Parameter One]</i>.</p>	<ul style="list-style-type: none"> • ItemLookup • ListSearch • SellerListingSearch
<p>AWS.MissingParameters</p> <p>You will receive this error when your request does not include all of the parameters required by</p>	<p>Your request is missing required parameters. Required parameters include <i>[RequiredParameterList]</i>.</p>	All

Error Code & Description	Message	Affected Operations
<p>the operation.</p>		
<p>AWS.MissingParameterValueCombination</p> <p>You will receive this error message when your request requires a combination of parameters, one or more of which must have a specific value. For example, when you make an ItemLookup request for a product based on its Universal Product Code (or UPC), you are required to include the IdType and ItemId parameters. The value of the IdType parameter must be UPC.</p>	<p>Your request is missing a required parameter combination. When <i>[Parameter One]</i> equals <i>[Restricted Value]</i>, <i>[Parameter Two]</i> must be present.</p>	<ul style="list-style-type: none"> • ItemLookup • ListSearch • SellerListingSearch
<p>AWS.MissingServiceParameter</p> <p>You will receive this error message when the your request does not contain the required Service parameter.</p>	<p>Your request is missing the Service parameter. Please add the Service parameter to your request and retry. Valid values for the Service parameter include <i>[ValidServicesList]</i>.</p>	<p>All</p>
<p>AWS.ParameterOutOfRange</p> <p>You will receive this error message when you submit a parameter value that exceeds or is lower than the range of valid values for the parameter. For example, ItemSearch allows you to fetch search results page using the ItemPage parameter. The range of values for ItemPage is 1 to 500. If you supply a value outside that range (less than 1 or greater than 500), you will receive this error.</p>	<p>The value you specified for <i>[ParameterName]</i> is invalid. Valid values must be between <i>[LowerBound]</i> and <i>[UpperBound]</i>.</p>	<ul style="list-style-type: none"> • ItemSearch • ItemLookup • ListSearch • ListLookup • CustomerContentSearch • CustomerContentLookup • SellerLookup • SellerListingSearch
<p>AWS.ParameterRepeatedInRequest</p> <p>You receive this error message when you include the same parameter more than once in your request.</p>	<p>The parameter, <i>[ParameterName]</i>, appeared more than once in your request.</p>	<p>All</p>
<p>AWS.RestrictedParameterValueCombination</p> <p>You will receive this error message when your request contains a combination of parameter val-</p>	<p>Your request contains a restricted parameter combination. When <i>[Parameter One]</i> equals <i>[Restricted Value]</i>, <i>[Parameter Two]</i> cannot be</p>	<p>All</p>

Error Code & Description	Message	Affected Operations
<p>ues that are not permitted in the same request. For example, if you are using the ListSearch operation and have selected BabyRegistry as the ListType, you may not use the Name parameter.</p>	<p>present.</p>	
<p>AWS.XSLTTransformationError</p> <p>You will receive this error message when the AWS XSLT service is unable to parse or apply the XSLT stylesheet you have provided in the Style parameter in your request. Make sure that your XSLT stylesheet is valid, and try again.</p>	<p>We were unable to apply your XSLT file. Please check your XSLT and retry your request.</p>	<p>All</p>
<p>AWS.ECommerceService.ExceededMaximumCartItems</p> <p>You will receive this error message when you exceed the maximum quantity value allowed for items being added to a shopping cart.</p>	<p>You may not add more than <i>[Maximum Item Quantity]</i> items to the cart.</p>	<ul style="list-style-type: none"> • CartAdd • CartCreate
<p>AWS.ECommerceService.InvalidCartId</p> <p>You will receive this error message when the CartId you entered into your request is not recognized.</p>	<p>Your request contains an invalid value for CartId. Please check your CartId and retry your request.</p>	<ul style="list-style-type: none"> • CartAdd • CartClear • CartGet • CartModify
<p>AWS.ECommerceService.InvalidHMAC</p> <p>You will receive this error message when the shopping cart HMAC value you use in your request is not recognized by ECS. The HMAC value is a unique token that is used to associate a cart with an Amazon user and a particular session on the Amazon web site.</p>	<p>Your request contains an invalid value for HMAC. Please check your HMAC and retry your request. Remember that the HMAC must be URL-encoded if you are using REST.</p>	<ul style="list-style-type: none"> • CartAdd • CartClear • CartGet • CartModify
<p>AWS.ECommerceService.InvalidQuantity</p> <p>You will receive this error message when the quantity in your</p>	<p>You have exceeded the maximum quantity allowed for the following item(s): <i>[ItemId]</i>.</p>	<ul style="list-style-type: none"> • CartAdd • CartCreate • CartModify

Error Code & Description	Message	Affected Operations
request is not valid for the current item.		
<p>AWS.ECommerceService.ItemAlreadyInCart</p> <p>You will receive this error message when you try to add an item to a shopping cart that already contains that item.</p>	<p>The item you specified, <i>[ItemID]</i>, is already in your cart.</p>	<ul style="list-style-type: none"> • CartAdd • CartCreate
<p>AWS.ECommerceService.ItemNotAccessible</p> <p>Some products cannot be manipulated or viewed using ECS. You will receive this error message when the product ID you use in your request is not available through ECS.</p>	<p>This item is not accessible through ECS.</p>	<ul style="list-style-type: none"> • ItemLookup • ListLookup
<p>AWS.ECommerceService.ItemNotEligibleForCart</p> <p>Some products cannot be manipulated or viewed using ECS. You will receive this error message when you attempt to add such an item to a remote shopping cart.</p>	<p>The item you specified, <i>[ItemID]</i>, is not eligible to be added to the cart. Check the item's availability to make sure it is available.</p>	<ul style="list-style-type: none"> • CartAdd • CartCreate • CartModify
<p>AWS.ECommerceService.NoExactMatches</p> <p>You will receive this error message when no products, restaurants, lists, or customers matching your search request can be found.</p>	<p>We did not find any matches for your request.</p>	<ul style="list-style-type: none"> • ItemSearch • ListSearch • CustomerContentSearch
<p>AWS.ECommerceService.NoSimilarities</p> <p>You will receive this error message when there are no products or restaurants similar to the item(s) you specify in your request.</p>	<p>There are no similar items for this ASIN(s): <i>[ItemID]</i>.</p>	<ul style="list-style-type: none"> • SimilarityLookup