



PUBLIC

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Public Catalogs Shop API

SAP Ariba Catalog



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Public Catalogs Shop API

This guide is for a customer developer developing a client application to retrieve catalog data from public catalogs from suppliers on SAP Business Network.

The Public Catalogs Shop API is for buyers using SAP Ariba Buying, base edition, which is integrated with SAP S/4HANA Cloud Public Edition. This API makes it possible for SAP Ariba Buying, base edition to access catalog content from public catalogs.

A customer developer creates a client application that makes queries to the endpoints included in the Public Catalogs Shop API to retrieve data related to catalog items, filter facets, and matching search suggestions from the public catalogs.

Note

This API is supported for use only within SAP Ariba Buying, base edition. Any other use in third-party applications is not supported.

This guide applies to:

- SAP Ariba APIs
- SAP Ariba Developer Portal
- SAP Business Network
- SAP Ariba Buying, base edition, which is integrated with SAP S/4HANA Cloud Public Edition

Related Guides

[Manage Shopping Sites](#), which is in [Administration Guide for SAP Ariba Buying, Base Edition](#)

About the Public Catalogs Shop API

The Public Catalogs Shop API enables you to retrieve data related to catalog items, filter facets, and matching search suggestions from public catalogs on SAP Business Network.

The API includes the following endpoints:

GET /Shops({shopID}) Retrieves the details of all the catalog items and facets from public catalogs from suppliers on SAP Business Network.

GET /Shops({shopID})/Items Returns the list of all the catalog items and their details from public catalogs on SAP Business Network.

GET /Shops({shopID})/AutoComplete Initiates the typeahead search feature and retrieves the list of matching search suggestions.

Prerequisites

- To create an application and request access to use this API, you must have access to the SAP Ariba Developer Portal. For details refer to [Steps to Start Using the SAP Ariba APIs in Help for the SAP Ariba Developer Portal](#).
- All queries made to this API must be authenticated using OAuth authentication. For details refer to [SAP Ariba Developer Portal Authentication in Help for the SAP Ariba Developer Portal](#).

Workflow of Retrieving Catalog Data Using the Public Catalogs Shop API

You can use the Public Catalogs Shop API to retrieve catalog data from public catalogs of suppliers on SAP Business Network.

Retrieving catalog data using the Public Catalogs Shop API involves the following high-level steps:

1. After the prerequisites for using this API are met, a customer developer creates an application on the SAP Ariba developer portal and requests access to the Public Catalogs Shop API.
For a list of prerequisites, see [About the Public Catalogs Shop API \[page 4\]](#).
2. An administrator configures a destination in the SAP BTP cockpit to connect to the shopping site.
For more information, see [Creating a Destination for a Shopping Site](#)
3. An administrator creates and enables a shopping site of type **Seller** in the **Manage Shopping Sites** app.
For more information, see [Manage Shopping Sites](#).
4. In SAP Ariba Buying, a user accesses the **Create Purchase Request** app to search for items to purchase and enters relevant text in the search box in the external system.

5. The client application initiates the typeahead search feature and retrieves the list of matching search suggestions
6. A user selects one of the search suggestions or enters a different search term.
7. The client application retrieves all the items that match the search term and the related facets.
8. The user clicks on one the items to view its details.
9. The client application retrieves the details of the item.

Retrieving Catalog Data Using the Public Catalogs API

Use this procedure to have your application retrieve data related to catalog items, filter facets, and matching search suggestions in public catalogs from suppliers on SAP Business Network.

Context

ⓘ Note

In the sample URLs in this topic, replace `{{runtime_url}}` with the desired runtime URL from the **Environment Details** table on the SAP Ariba Developer Portal discovery page for this API.

Procedure

1. A user in the process of searching for some items to purchase, enters relevant text in the search box.
2. The client application initiates the typeahead search feature and requests the list of matching search suggestions using the `GET /Shops({shopID})/AutoComplete`.

```
GET {{runtime-URL}}/Shops({ShopID})/AutoComplete?$search={searchterm}
```

The response includes the list of matching search suggestions.

3. A user selects one of the search suggestions or enters a different search term.
4. The client application requests all the items that match the search term and the related facets using the `GET /Shops({shopID})`.

```
GET {{runtime-URL}}/Shops({shopID})?$expand=Items, Facets
```

The response includes the list of items that match the search term and the related facets.

5. The user clicks on one the items to view its details.
6. The client application requests the details of the item using the `GET /Shops({shopID})/Items`.

```
GET {{runtime-URL}}/Shops({shopID})/Items?$search={searchterm}&$select={List}
```

\$select The information that needs to be returned. The following values are supported:

- extProductId
- leadTime
- manufactCode
- manufactName
- price
- vendor
- vendorName
- vendorPartId

\$search The search terms entered by the user to search for items.

The response includes all the details of the item.

Error Codes from the Public Catalogs Shop API

The Public Catalogs Shop API returns response codes when you submit `GET` requests.



Response Code	Message	Description
400	Bad Request	The request body refers to one or more invalid fields.
500	Internal Server Error	Try your query again.

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