

SAP Ariba

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Internal Catalogs Shop API

SAP Ariba Catalog

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Content

Internal Catalogs Shop API. 3

About the Internal Catalogs Shop API. 4

Workflow of Retrieving Catalog Data Using the Internal Catalogs Shop API. 4

Retrieving Catalog Data Using the Internal Catalogs Shop API. 5

Error Codes for the Internal Catalogs Shop API. 6

Internal Catalogs Shop API

This guide is for a customer developer developing a client application to retrieve catalog data from internal catalogs in the SAP Ariba Catalog solution.

The Internal 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 internal catalogs.

A customer developer creates a client application that makes queries to the endpoints included in the Internal Catalogs Shop API to retrieve data related to catalog items, filter facets, and matching search suggestions from the internal 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 Ariba Buying, base edition, which is integrated with SAP S/4HANA Cloud Public Edition
- SAP Ariba Catalog

Related Guides

Manage Shopping Sites, which is in Administration Guide for SAP Ariba Buying, Base Edition

About the Internal Catalogs Shop API

The Internal Catalogs Shop API enables you to retrieve data related to catalog items, filter facets, and matching search suggestions from the internal catalogs in SAP Ariba Catalog.

The API includes the following endpoints:

`GET /Shops({shopID})`	Retrieves the list of all the items and facets from the catalogs in SAP Ariba Catalog.
`GET /Shops({shopID})/Items`	Returns the list of all the items and their details from the catalogs in SAP Ariba Catalog.
`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 Internal Catalogs Shop API

You can use the Internal Catalogs Shop API to retrieve catalog data from catalogs in your SAP Ariba Catalog solution.

Retrieving catalog data using the Internal 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 Internal Catalogs Shop API.
   For a list of prerequisites, see About the Internal 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 **Ariba** 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. A user in the process of searching for some items to purchase, enters relevant text in the search box in the external system.

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

Retrieving Catalog Data Using the Internal Catalogs Shop API

Use this procedure to have your application retrieve data related to catalog items, filter facets, and matching search suggestions from an SAP Ariba solution.

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}
   ```

`ShopID`	The unique ID of the shopping site.
`$search`	The search terms entered by the user to search for items.

   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 for the Internal Catalogs Shop API

The Internal 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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