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Network Catalog Management API



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Network Catalog Management API

This guide is for SAP Business Network suppliers who want to use the Network Catalog Management API to manage products in the network catalog and retrieve product information from it.

This guide applies to:

- SAP Ariba APIs
- SAP Ariba Developer Portal
- SAP Business Network

Endpoints Included In the Network Catalog Management API

This API includes the following endpoints:

Endpoint	Description
POST /products	Adds a new product to your network catalog.
GET /products	Retrieves a product list and information on each product.
PATCH /products/{productId}	Edits details about a product.
GET /products/{productId}	Retrieves information on a single product.
DELETE /products/{productId}	Deletes a product from your network catalog.

Prerequisites

- You've purchased the promote subscription for SAP Business Network.
- To create an application and request access to use the SAP Ariba APIs relevant to this feature, 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](#).
- To access the SAP Ariba Developer Portal using single sign-on (SSO) from SAP Business Network, you must have the **API Development Access** permission on SAP Business Network.
- You must configure the API client ID on SAP Business Network.
- 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](#).

To get started, see [Steps to Start Using the Network Catalog Management API \[page 4\]](#).

Important Notes

Note the restrictions and guidelines described in [Notes on Using the Network Catalog Management API \[page 36\]](#).

Related Information

[Help for the SAP Ariba Developer Portal](#)

Steps to Start Using the Network Catalog Management API

Before using the Network Catalog Management API to manage your catalog, you need to complete prerequisite settings and API setup. Follow these steps sequentially to get started.

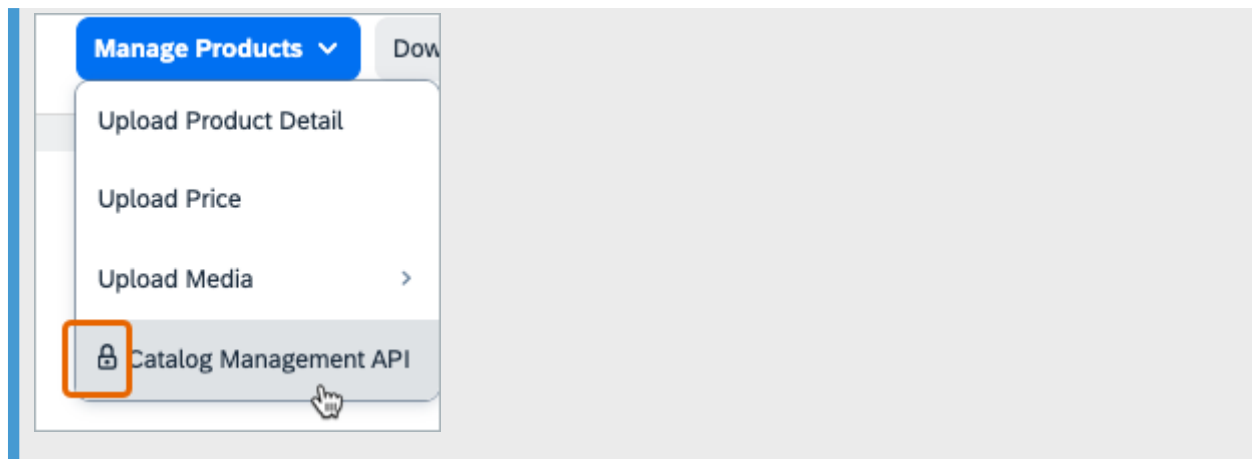
1. [Purchase the promote subscription for SAP Business Network \[page 4\]](#). The Network Catalog Management API is available only to promote subscribers.
2. [Enable single sign-on \(SSO\) access to the SAP Ariba Developer Portal \[page 5\]](#).
3. [Navigate to the SAP Ariba Developer Portal from SAP Business Network \[page 5\]](#).
4. [Create an API application on the SAP Ariba Developer Portal \[page 8\]](#).
5. [Configure API client ID on SAP Business Network \[page 9\]](#).
6. [Request access tokens and make API calls \[page 10\]](#).

Purchase the Promote subscription

To purchase the promote subscription for SAP Business Network, sign in to SAP Business Network and choose the **Store** tab. For more information, see [Buying the Promote Subscription](#).

Note

In the Network Catalog user interface, if your account lacks a promote subscription, the menu command or link for accessing the API displays a  (*Locked*) icon, as shown below. You can click the icon for more information and a purchase link.



Enable SSO Access to the SAP Ariba Developer Portal

SAP Ariba APIs, including the Network Catalog Management API, are available on the SAP Ariba Developer Portal. To access the portal using SSO from SAP Business Network, you need the **API Development Access** permission on SAP Business Network. This permission sets up user accounts on the SAP Ariba Developer Portal and enables SSO access.

If you don't have an administrator role on SAP Business Network, contact your account administrator to assign you the **API Development Access** permission.

If you're the account administrator, add the **API Development Access** permission to a role and assign the role to users. Refer to [Users and Roles](#) for detailed information.

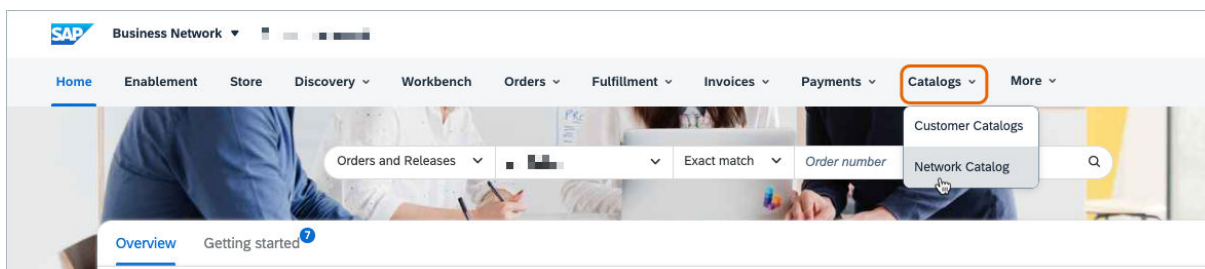
Navigate to the SAP Ariba Developer Portal from SAP Business Network

With SSO access enabled, you can navigate to the SAP Ariba Developer Portal from SAP Business Network and view the discovery page for the Network Catalog Management API.

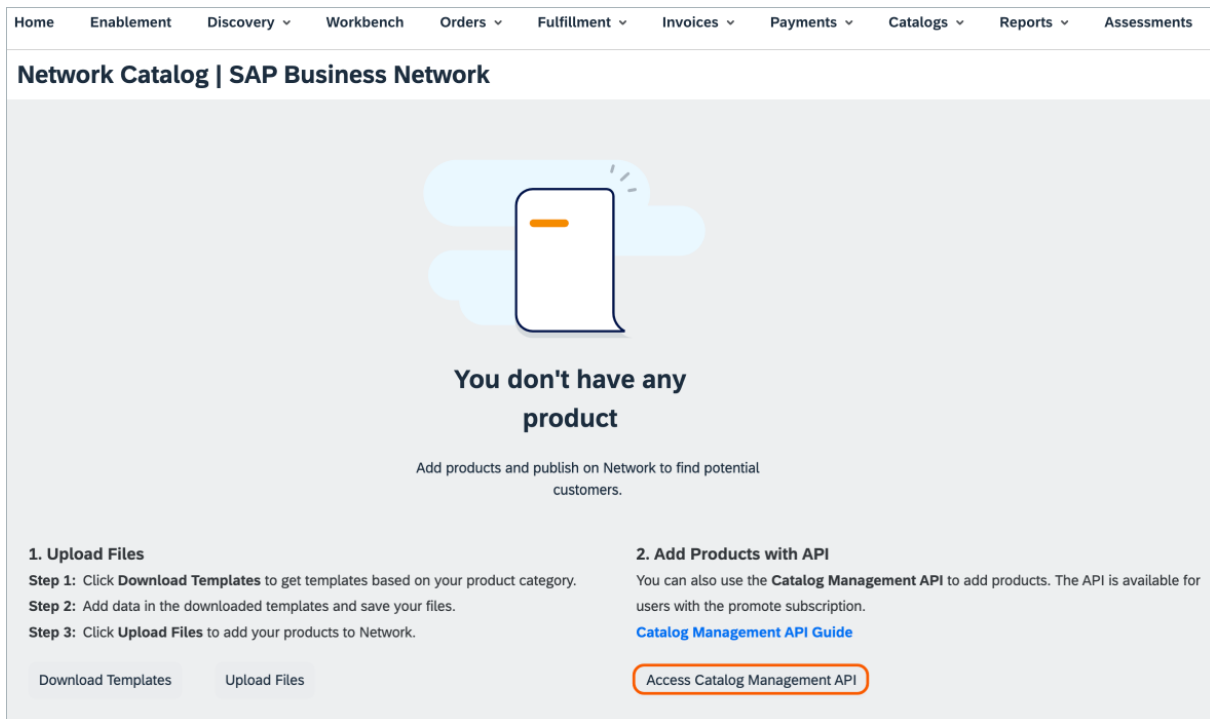
1. In SAP Business Network, choose **Catalogs > Network Catalog**.

Note

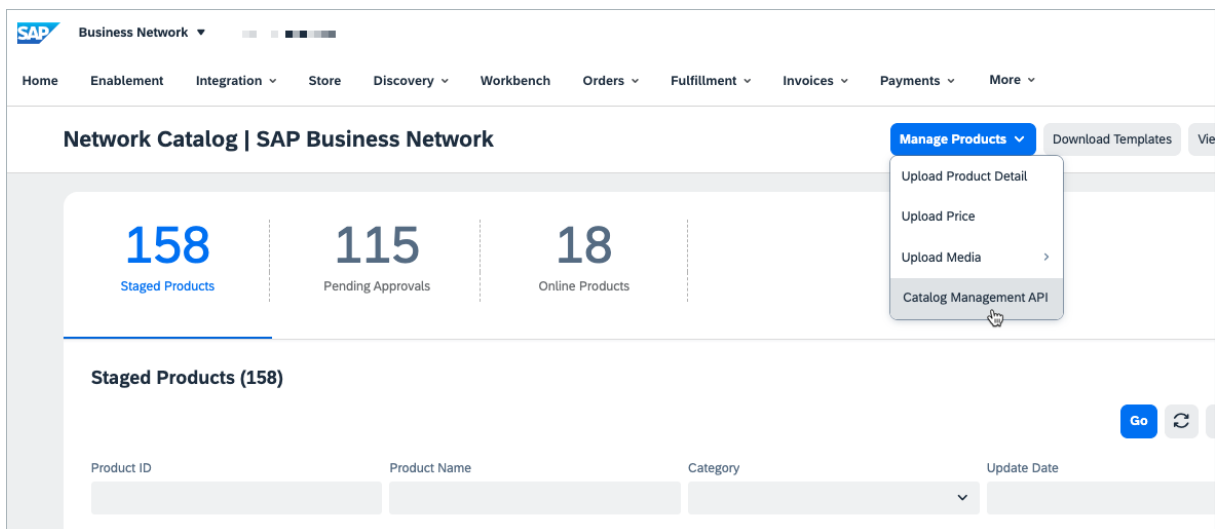
To open the network catalog, you must have either an administrator role, or a role with the **Network Catalog Product Manager** or **Network Catalog Product Approver** permission. For more information, see [Roles and Permissions to Access Network Catalog](#).



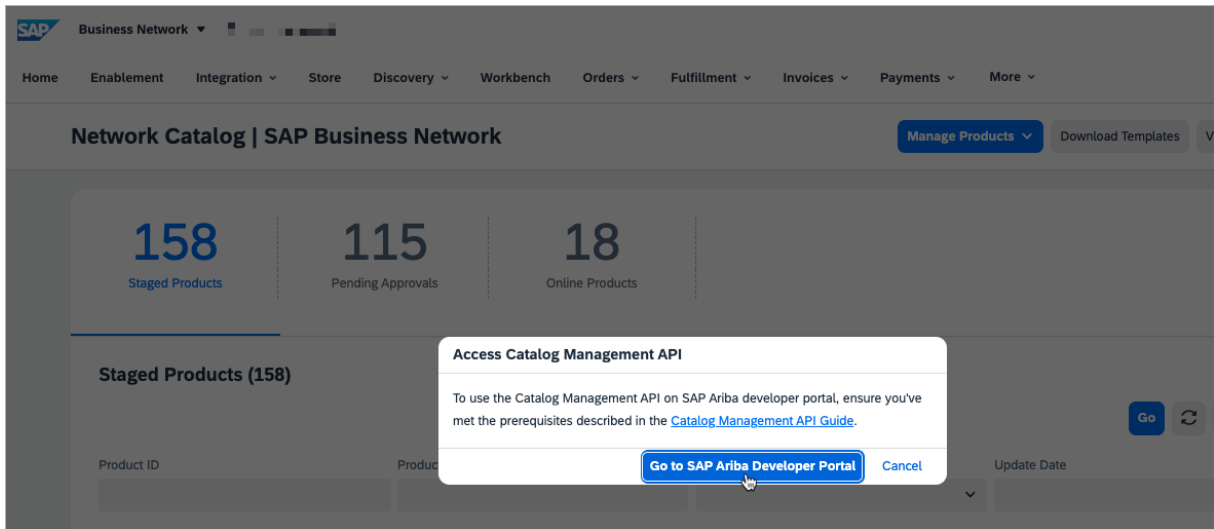
2. If your organization hasn't uploaded any products to the network catalog, the initial catalog page appears. On this page, click **Access Catalog Management API**.



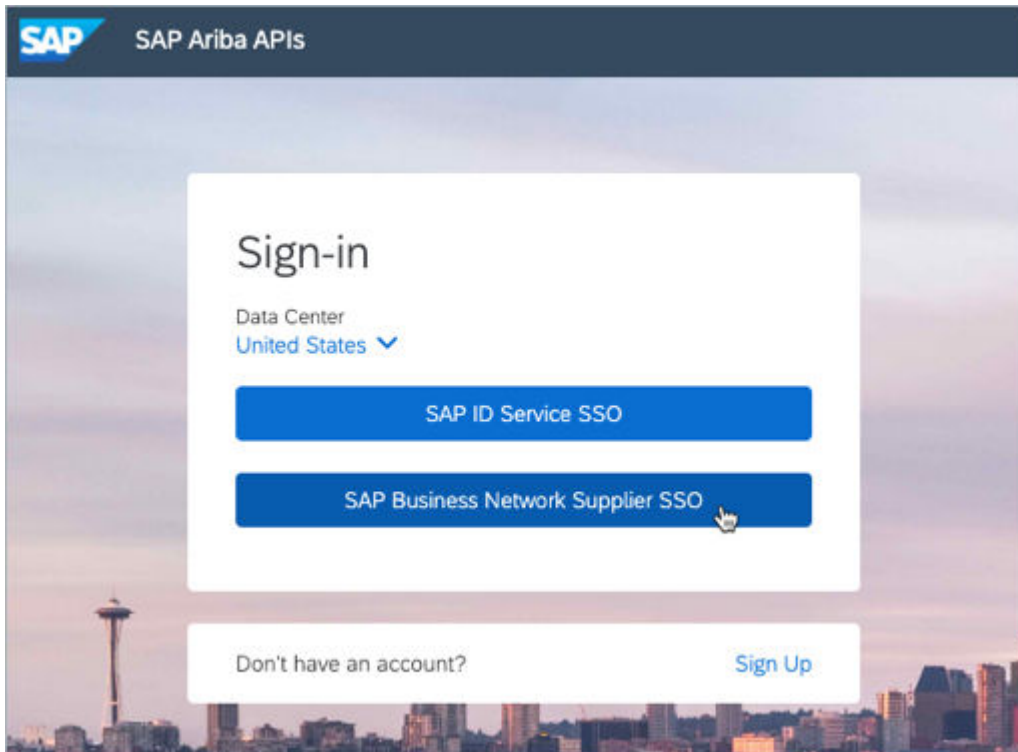
Otherwise, choose ► **Manage Products** ► **Catalog Management API** ►.



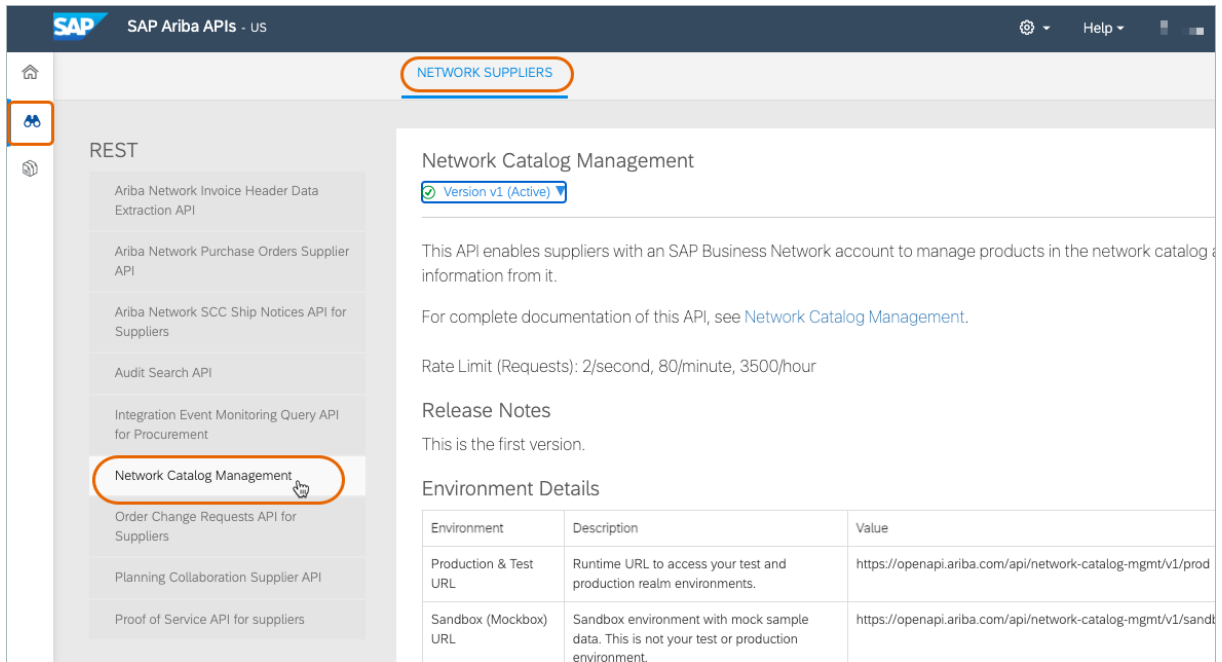
3. In the **Access Catalog Management API** dialog box, choose **Go to SAP Ariba Developer Portal**.



4. You are now navigated to the SAP Ariba Developer Portal (<https://developer.ariba.com/>). Choose **SAP Business Network Supplier SSO** to sign in.



5. To view the discovery page for the Network Catalog Management API, click the "binoculars" (Discovery) icon on the left sidebar. Then, in the **NETWORK SUPPLIERS** category, select **Network Catalog Management**.



Create an API Application on the SAP Ariba Developer Portal

On the SAP Ariba Developer Portal, create an API application for using the Network Catalog Management API. Then request API access for your application and generate an OAuth secret.

Note

For more information, see [Steps to Start Using the SAP Ariba APIs](#) in the *Help for the SAP Ariba Developer Portal*.

1. [Create an application](#).
2. On the page that displays your new application, request API access by choosing one of the following actions:
 - **Actions > Ask your admin to request API access**, if you don't have the administrator role. See "Requesting API access" in [Progress of Your Application Tracker](#) for details.
 - **Actions > Request API Access**, if you have the administrator role. See [Requesting API Access for an Application on the SAP Ariba Developer Portal](#).

In the dialog box for requesting API access, make sure to specify the following:

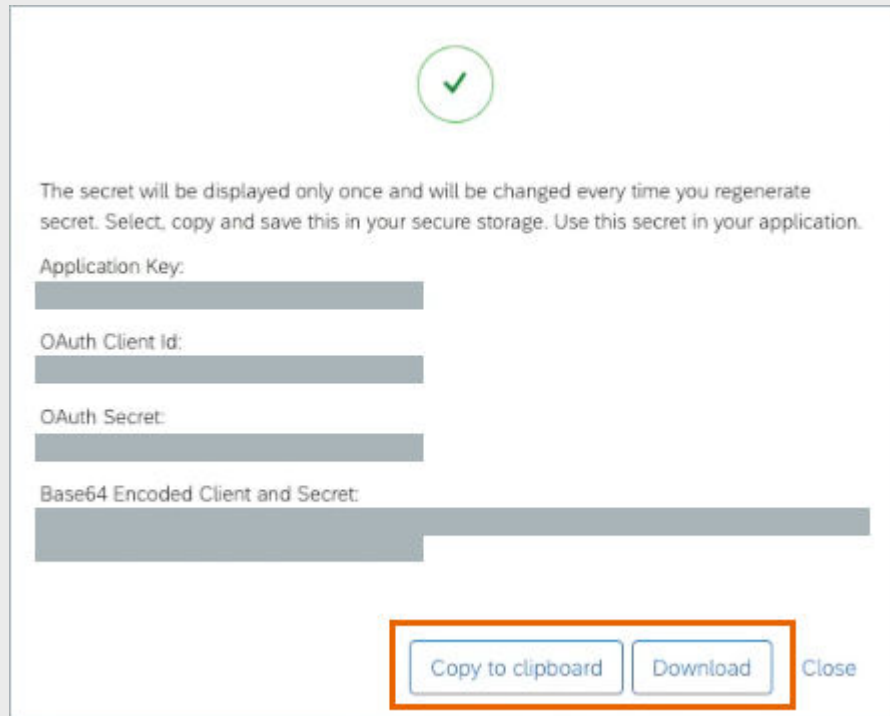
- Select an API: **Network Catalog Management API**
- Select tenants where you want to access the API: **SAP Business Network (formerly Ariba Network)**

SAP processes your API request. Once approved, the administrator receives an email with an OAuth client ID for the application.

3. After API access is approved, a user with the administrator role generates the OAuth secret. To do this, on the page that displays the new application, choose **Actions > Generate OAuth Secret**. For more information, see [Generating the OAuth Secret and Base64 Encoded Client ID and Secret](#).

📌 Note

The generated secret is displayed only once and changes every time you regenerate it. Make sure to save the credentials securely for future use.



The secret will be displayed only once and will be changed every time you regenerate secret. Select, copy and save this in your secure storage. Use this secret in your application.

Application Key:
[Redacted]

OAuth Client Id:
[Redacted]

OAuth Secret:
[Redacted]

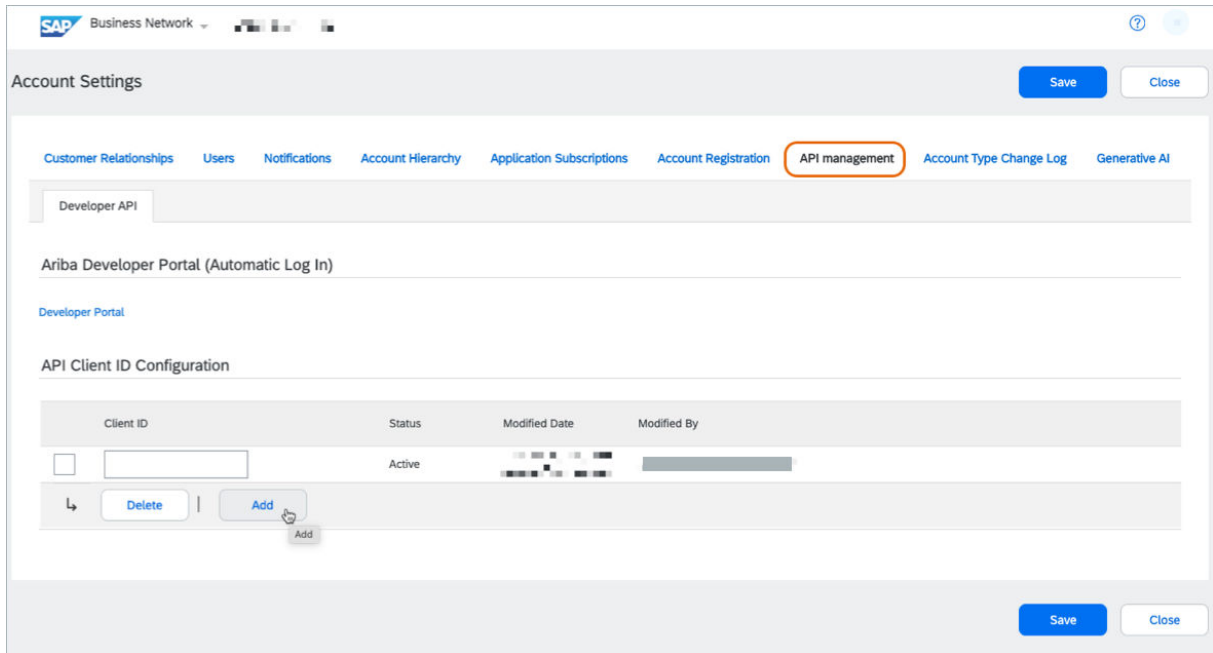
Base64 Encoded Client and Secret:
[Redacted]

[Copy to clipboard](#) [Download](#) [Close](#)

Configure API Client ID on SAP Business Network

In the previous step, you've saved the OAuth client ID and secret for your application on the SAP Ariba Developer Portal. Now, go back to SAP Business Network to configure the client ID.

1. In SAP Business Network, click the user icon in the upper-right corner to open the **Account Settings** menu, and choose ► **Settings** ► **Users** ►.
2. Choose the **API management** tab. Under **API Client ID Configuration**, click **Add**, enter the OAuth client ID you've saved, and click **Save**.



Request Access Tokens and Make API Calls

You can now request OAuth access tokens for your API application and start making API calls. For more information, see [OAuth Access Token Request and Receipt](#) and [Making of REST API Calls with the OAuth Access Token and Application Key](#) in the *Help for the SAP Ariba Developer Portal*.

To learn how to use the endpoints in the Network Catalog Management API, along with examples, refer to the subsequent sections of this guide.

Adding a Product with the Network Catalog Management API

You can use the `POST /products` endpoint of the Network Catalog Management API to add a new product to your network catalog.

Context

You have options to add a network catalog product as a staged (unpublished) product or an online (published) product.

To add a product and directly publish it online, set the `publishedStatus` property to `PUBLISHED` in your request body and specify at least one price for the product. Products without a set price can only remain unpublished. Products with a price set to 0 are allowed to be published.

If `publishedStatus` is specified to **UNPUBLISHED** (default), the product will be added to your catalog as a staged product. You can publish it at a later time by updating the `publishedStatus` property with the **PATCH** `/products/{productId}` endpoint. For more information, see [Editing a Product with the Network Catalog Management API \[page 26\]](#).

Procedure

To add a product to your network catalog, use the **POST** `/products` endpoint.

Provide your ANID and API key in the API header:

Header Parameter	Type	Description
X-ARIBA-NETWORK-ID	String	Required. Your SAP Business Network ID (ANID).
apiKey	String	Required. The application key of the application you created in SAP Ariba Developer Portal. If you don't have an application, create one as described in Steps to Start Using the Network Catalog Management API [page 4] .

In the request body, provide the following product properties as you need. You can refer to the sample requests in [Examples \[page 15\]](#).

Property	Type	Description
productId	String/255	Required. Unique product identifier or Stock Keeping Unit (SKU) number assigned to the product. The value must contain only the following characters: A – Z, a – z, 0 – 9, dash (-), and underscore (_).
categoryCode	String/6 or 8	Required. UNSPSC (United Nations Standard Products and Services Code) of the product. For more information, see Commodity Codes .
publishedStatus	String	The desired publishing status. The default is UNPUBLISHED . Set it to PUBLISHED if you want to add the product and directly publish it online.
ean	String/13	The European Article Number (EAN) of the product.
upc	String/12	The Universal Product Code (UPC) of the product.
unit	String	Required. The unit of measure for the product. Select the unit of measure in UNUOM (United Nations Unit of Measure) standards which will be considered as the base unit of measure or sales unit.
validFrom	Date (YYYY-MM-DD)	The date from which the product becomes valid. This date is based on UTC time and must be prior to the product expiration date (ValidTo).
validTo	Date (YYYY-MM-DD)	The future date until which the product is valid. This date is based on UTC time.
productUrl	String/255	Product URL to provide more information about the product. The URL must start with "https".

Property	Type	Description
manufacturerName	String/255	The name of the product manufacturer or brand name.
manufacturerPartId	String/255	A unique number assigned to the part by the manufacturer or brand.
manufacturerUrl	String/255	The URL of the product manufacturer's website. The URL must start with "https".
name	String/80	At least one product name is required for a product. You can specify an array of names, each representing the product name in a different language. The name will be displayed as the product title on the search results page. Specify each name with two attributes: lang The language code for the product name. For a list of language codes, see Language Codes. value Product name. Do not include quotes, HTML, symbols, or commas.
description	String/1000	You can specify an array of descriptions, each representing the product description in a different language. Specify each description with two attributes: lang The language code for the product description. For a list of language codes, see Language Codes. value Detailed product description. Do not include quotes, HTML, symbols, or commas.
summary	String/1000	You can specify an array of summaries, each representing the product summary in a different language. Specify each summary with two attributes: lang The language code for the product summary. For a list of language codes, see Language Codes. value Brief product description. Do not include quotes, HTML, symbols, or commas.
leadShippingTime	Integer	Number of days required to ship the product. Decimal values are not allowed.

Property	Type	Description
prices		You can specify an array of prices, each representing a price for the product. Specify each price with the following attributes: currencyIso Required. The 3-character ISO 4217 currency code for the price. For more information, see Currency Codes. countryIsoCode Required. The ISO 3166-1 alpha-2 code for the country/region associated with the price. For more information, see State and Country Codes. unit Required. The unit of measure for the price. Ensure your prices contain one price with the same unit as the "unit" of the product. For more information, see Unit of Measure Codes. validFrom Date in YYYY-MM-DD format from which the price becomes valid. This date is based on UTC time. validTo Future date in YYYY-MM-DD format until which the price is valid. This date is based on UTC time. regionIsoCode The ISO 3166-2 region code for the region associated with the price. For more information, see State and Country Codes. value The price value. You can set a price without providing a value. scale Required. The minimum order quantity for which the price is effective. For example, you can specify two prices for a product: the price is 100 USD if the order quantity is between 1 and 19 (set value to 100 and scale to 1) and the price is 99 USD if the order quantity is 20 or more (set value to 99 and scale to 20).
images	String	The URLs of the images to be downloaded and set to the product. The URLs must start with "https". Use image1 to specify the default product image and image2 through image5 for additional images.

Property	Type	Description
carbonEmission		The carbon emission details of the product.
	enabled	Set this to true if you want to provide product-specific carbon emission information. Then specify the attributes listed below. The default is false .
	co2e	Required when enabled is true . Details about the product's CO2 equivalent emission, including: emissionQuantity (Decimal (10,2)) The quantity of CO2 equivalent emitted. emissionUnit (String) The unit of measure in UNUOM (United Nations Unit of Measure) standards for CO2e emission. Example: KGM quantityPerUnit (Integer) The CO2 equivalent emission per unit of the product.
	boundary	(String/20) Required when enabled is true . The life cycle stage considered for the carbon emission calculation. Supported values: CR_TO_GAT (Cradle to Gate), CR_TO_GRV (Cradle to Grave)
	accuracy	(String/20) Required when enabled is true . The level of accuracy of the carbon emission data. Supported values: HIGH , MEDIUM , LOW
	accountStandard	(String/20) Required when enabled is true . The greenhouse gas accounting standard used for emission calculation. Example: GHG (GTH Protocol)
	validFrom	Date in YYYY-MM-DD format from which the carbon emission data is valid. This date is based on UTC time.
	validTo	Future date in YYYY-MM-DD format until which the carbon emission data is valid. This date is based on UTC time.
	additionalInfo	(String/1000) Any additional information about the carbon emission data.
circularEconomy		The circular economy details of the product, including:
	recycledContentPercentage	The percentage of recycled content used in the product.
	renewableEnergyUsedPercentage	The percentage of renewable energy used in the product's production.

If the request is successful, the endpoint returns HTTP status code **201 Created** and the details of the newly added product.

If the request is unsuccessful, the response includes an error message. See [Error Messages Returned by the Network Catalog Management API \[page 37\]](#) to troubleshoot your request.

Examples

Add a product without prices

A product without prices is added to the network catalog as a staged product with the status "draft".

Sample request:

```
{
  "productId": "PROD243T8",
  "categoryCode": "503036",
  "unit": "H87",
  "name": [
    {
      "lang": "en",
      "value": "SAP Network Catalog Product Name"
    }
  ]
}
```

Sample response:

```
{
  "productId": "PROD243T8",
  "categoryCode": "503036",
  "categoryName": "Wine Grapes",
  "productStatus": "DRAFT",
  "unit": "H87",
  "name": [
    {
      "lang": "en",
      "value": "SAP Network Catalog Product Name"
    }
  ],
  "modifiedTime": "2024-05-10T16:00:00.000Z"
}
```

Add a product with prices

A product with prices is added to the network catalog with the status "complete".

This example covers 6 price scenarios:

1. Price in US for 1 item
2. Price in US for 10 items
3. Price in US-CA
4. Price in CN
5. Price without a value
6. Prices in different units of measure

ⓘ Note

prices must contain one price with the same unit as the "unit" of the product (H87 in this example).

Sample request:

```
{
  "productId": "PROD243T8",
  "categoryCode": "503036",
  "unit": "H87",
  "name": [
    {
      "lang": "en",
      "value": "SAP Network Catalog Product Name"
    }
  ],
  "prices": [
    {
      "currencyIso": "USD",
      "countryIsoCode": "US",
      "regionIsoCode": null,
      "unit": "H87",
      "validFrom": "2024-06-10",
      "validTo": "2024-06-19",
      "value": 100.12,
      "scale": 1
    },
    {
      "currencyIso": "USD",
      "countryIsoCode": "US",
      "regionIsoCode": null,
      "unit": "H87",
      "validFrom": "2024-06-10",
      "validTo": "2024-06-19",
      "value": 80.09,
      "scale": 10
    },
    {
      "currencyIso": "USD",
      "countryIsoCode": "US",
      "regionIsoCode": "US-CA",
      "unit": "H87",
      "validFrom": "2024-06-10",
      "validTo": "2024-06-19",
      "value": 98.27,
      "scale": 1
    },
    {
      "currencyIso": "CNY",
      "countryIsoCode": "CN",
      "regionIsoCode": null,
      "unit": "H87",
      "validFrom": "2024-06-10",
      "validTo": "2024-06-19",
      "value": 687.89,
      "scale": 1
    },
    {
      "currencyIso": "CNY",
      "countryIsoCode": "CN",
      "regionIsoCode": null,
      "unit": "H87",
      "validFrom": "2024-06-10",
      "validTo": "2024-06-19",
      "value": null,
      "scale": 10
    }
  ]
}
```

```

    },
    {
      "currencyIso": "USD",
      "countryIsoCode": "US",
      "regionIsoCode": null,
      "unit": "EA",
      "validFrom": "2024-06-10",
      "validTo": "2024-06-19",
      "value": 200.24,
      "scale": 1
    }
  ]
}

```

Sample response:

```

{
  "productId": "PROD243T8",
  "categoryCode": "503036",
  "categoryName": "Wine Grapes",
  "productStatus": "COMPLETE",
  "unit": "H87",
  "name": [
    {
      "lang": "en",
      "value": "SAP Network Catalog Product Name"
    }
  ],
  "prices": [
    {
      "currencyIso": "USD",
      "countryIsoCode": "US",
      "regionIsoCode": null,
      "unit": "H87",
      "validFrom": "2024-06-10",
      "validTo": "2024-06-19",
      "value": 100.12,
      "scale": 1
    },
    {
      "currencyIso": "USD",
      "countryIsoCode": "US",
      "regionIsoCode": null,
      "unit": "H87",
      "validFrom": "2024-06-10",
      "validTo": "2024-06-19",
      "value": 80.09,
      "scale": 10
    },
    {
      "currencyIso": "USD",
      "countryIsoCode": "US",
      "regionIsoCode": "US-CA",
      "unit": "H87",
      "validFrom": "2024-06-10",
      "validTo": "2024-06-19",
      "value": 98.27,
      "scale": 1
    },
    {
      "currencyIso": "CNY",
      "countryIsoCode": "CN",
      "regionIsoCode": null,
      "unit": "H87",
      "validFrom": "2024-06-10",
      "validTo": "2024-06-19",
      "value": 687.89,

```

```

        "scale": 1
      },
      {
        "currencyIso": "CNY",
        "countryIsoCode": "CN",
        "regionIsoCode": null,
        "unit": "H87",
        "validFrom": "2024-06-10",
        "validTo": "2024-06-19",
        "value": null,
        "scale": 10
      },
      {
        "currencyIso": "USD",
        "countryIsoCode": "US",
        "regionIsoCode": null,
        "unit": "EA",
        "validFrom": "2024-06-10",
        "validTo": "2024-06-19",
        "value": 200.24,
        "scale": 1
      }
    ],
    "modifiedTime": "2024-05-10T16:00:00.000Z"
  }
}

```

Add a product with product images

Sample request:

```

{
  "productId": "PROD243T8",
  "categoryCode": "503036",
  "unit": "H87",
  "name": [
    {
      "lang": "en",
      "value": "SAP Network Catalog Product Name"
    }
  ],
  "images": {
    "image1": "https://example.com/image1.jpg",
    "image2": "https://example.com/image2.jpg",
    "image3": "https://example.com/image3.jpg",
    "image4": "https://example.com/image4.jpg",
    "image5": "https://example.com/image5.jpg"
  }
}

```

Sample response:

```

{
  "productId": "PROD243T8",
  "categoryCode": "503036",
  "categoryName": "Wine Grapes",
  "productStatus": "DRAFT",
  "unit": "H87",
  "name": [
    {
      "lang": "en",
      "value": "SAP Network Catalog Product Name"
    }
  ],
  "images": {
    "image1": "https://api.cc.commerce.ondemand.com/occ/v2/bnCatalog/medias/image1.jpg",
  }
}

```

```

      "image2": "https://api.cc.commerce.ondemand.com/occ/v2/bnCatalog/medias/
image2.jpg",
      "image3": "https://api.cc.commerce.ondemand.com/occ/v2/bnCatalog/medias/
image3.jpg",
      "image4": "https://api.cc.commerce.ondemand.com/occ/v2/bnCatalog/medias/
image4.jpg",
      "image5": "https://api.cc.commerce.ondemand.com/occ/v2/bnCatalog/medias/
image5.jpg"
    },
    "modifiedTime": "2024-05-10T16:00:00.000Z"
  }
}

```

Add a product to the online version

By setting `publishedStatus` to `PUBLISHED`, you can add a product and directly publish it online. To do that, you must specify a price with the same unit as the `"unit"` of the product (H87 in this example).

Sample request:

```

{
  "productId": "PROD243T8",
  "categoryCode": "503036",
  "publishedStatus": "PUBLISHED"
  "unit": "H87",
  "name": [
    {
      "lang": "en",
      "value": "SAP Network Catalog Product Name"
    }
  ],
  "prices": [
    {
      "currencyIso": "USD",
      "countryIsoCode": "US",
      "unit": "H87",
      "validFrom": "2024-06-10",
      "validTo": "2024-06-19",
      "regionIsoCode": "US-CA",
      "value": 100.12,
      "scale": 1
    },
    {
      "currencyIso": "USD",
      "countryIsoCode": "US",
      "unit": "EA",
      "validFrom": "2024-06-10",
      "validTo": "2024-06-19",
      "regionIsoCode": "US-AL",
      "value": 20.34,
      "scale": 1
    }
  ]
}

```

Sample response:

```

{
  "productId": "PROD243T8",
  "categoryCode": "503036",
  "categoryName": "Wine Grapes",
  "productStatus": "PUBLISHED",
  "unit": "H87",
  "name": [
    {
      "lang": "en",
      "value": "SAP Network Catalog Product Name"
    }
  ]
}

```

```

    },
    "prices": [
      {
        "currencyIso": "USD",
        "countryIsoCode": "US",
        "unit": "H87",
        "validFrom": "2024-06-10T00:00:00.000Z",
        "validTo": "2024-06-19T23:59:59.000Z",
        "regionIsoCode": "US-CA",
        "value": 100.12,
        "scale": 1
      },
      {
        "currencyIso": "USD",
        "countryIsoCode": "US",
        "unit": "EA",
        "validFrom": "2024-06-10",
        "validTo": "2024-06-19",
        "regionIsoCode": "US-AL",
        "value": 20.34,
        "scale": 1
      }
    ],
    "modifiedTime": "2024-05-10T16:00:00.000Z"
  }
}

```

Related Information

[Notes on Using the Network Catalog Management API \[page 36\]](#)

Retrieving a Product List with the Network Catalog Management API

The GET /products endpoint of the Network Catalog Management API enables you to retrieve a product list from your network catalog using the OData protocol. You can use query parameters to filter, sort, and paginate the results.

Procedure

To retrieve a product list, use the GET /products endpoint.

In the API header, specify the following parameters:

Header Parameter	Type	Description
X-ARIBA-NETWORK-ID	String	Required. Your SAP Business Network ID (ANID).

Header Parameter	Type	Description
Accept-Language	String	Optional. Specifies the language used for searching the product names given in the <code>\$search</code> parameter. The default is <code>en</code> (English). You can specify up to two languages, separated by a comma. The second language is used when a product name in the first language is not available. For a list of language codes, see Language Codes .
apiKey	String	Required. The application key of the application you created in SAP Ariba Developer Portal. If you don't have an application, create one as described in Steps to Start Using the Network Catalog Management API [page 4] .

In the request body, apply query parameters based on your needs. You can refer to the sample codes in [Examples \[page 22\]](#).

Query Parameter	Type	Description
\$top	Integer	The maximum number of products to return in the response. The default is 20.
\$skip	Integer	Number of products to skip before starting to return results. If it's not specified, no products are skipped and the response starts with the first product. \$skip can be used together with \$top to divide a long list into smaller "pages". For example, to show 100 products at a time: - In the first request, set \$top to 100 and \$skip to 0 to retrieve the first 100 products. - Then in the second request, set \$top to 100 and \$skip to 100 to skip the first 100 products you've already retrieved and get the next 100. - Continue this pattern until you've reached the end of the list.
\$count	Boolean	Set this to true if you want to return the total number of matching products in the response.
\$filter	String	Filters products by product properties. Supported properties and operations are: productId eq (equal to) categoryCode eq (equal to) modifiedTime ge (greater than or equal to) and le (less than or equal to) To specify a date and time in UTC, use the format YYYY-MM-DDThh:mm:ssZ, for example, modifiedTime ge 2024-08-24T08:06:39Z To specify a date and time with a time zone offset from UTC, use the format YYYY-MM-DDThh:mm:ss±hh:mm, for example, modifiedTime le 2024-05-24T08:06:39+02:00 productStatus eq (equal to)

Query Parameter	Type	Description
\$search	String	Searches products by product names. It supports full text search. For example, <code>\$search=PROD243</code> returns products with names that contain PROD243 . A product can have different names in different languages. You can use the Accept - Language header parameter to specify in which language you want to search the name. For example, if your request contains <code>\$search=PROD243</code> and you've set Accept - Language to fr (French), the search will return products with French names that contain PROD243 .
\$expand	String	By default, the retrieved product list does not include information on prices , images , carbonEmission , and circularEconomy . You can use <code>\$expand</code> to include these properties in the response. Separate each property with a comma.
\$orderby	String	Sorts the product list by a specified property. You can only sort by validTo , validFrom , or modifiedTime in either ascending (asc , default) or descending (desc) order. By default, the list is sorted by modifiedTime in descending order.

If the request is successful, the endpoint returns HTTP status code **200 OK** and the requested product list.

If the request is unsuccessful, the response includes an error message. See [Error Messages Returned by the Network Catalog Management API \[page 37\]](#) to troubleshoot your request.

Examples

List all products in your network catalog

Sample request: `GET /products`

Sample response:

```
{
  "value": [
    {
      "productId": "PROD243T1",
      "categoryCode": "503036",
      "ean": "101",
      "upc": "201",
      "unit": "EA",
      "validTo": "2024-06-19",
      "validFrom": "2024-06-10",
      "productUrl": "https://www.example.com/product/1029995.html",
      "manufacturerName": "SAP",
      "manufacturerPartId": "ARIBA1000",
      "manufacturerUrl": "https://www.example.com",
      "name": [
        {
          "lang": "en",
          "value": "SAP Network Catalog Product Name"
        }
      ],
      "description": [
        {
          "lang": "en",
          "value": "SAP Network Catalog Product Description"
        }
      ]
    }
  ]
}
```

```

    ],
    "summary": [
      {
        "lang": "en",
        "value": "SAP Network Catalog Product Description"
      }
    ],
    "leadShippingTime": 2,
    "productStatus": "DRAFT",
    "categoryName": "Wine Grapes",
    "modifiedTime": "2024-05-10T16:00:00Z"
  }
  {
    "productId": "PROD243T2",
    .....
  },
  {
    "productId": "PROD243T8",
    .....
  }
]
}

```

List products and show the total count of retrieved products

Sample request: GET /products?\$count=true

Sample response:

```

{
  "count": 100,
  "value": [
    .....
  ]
}

```

List products with \$skip and \$top

Sample request: GET /products?\$skip=1&\$top=2

Sample response:

```

{
  "value": [
    {
      "productId": "PROD243T1",
      .....
    },
    {
      "productId": "PROD243T2",
      .....
    }
  ]
}

```

List products with expanded product information

Sample request: GET /products?\$expand=prices,images

Sample response:

```

{
  "value": [
    {

```

```

        "productId": "PROD243T1",
        "prices": [
            {
                "currencyIso": "USD",
                "countryIsoCode": "US",
                "unit": "H87",
                "validFrom": "2024-06-10",
                "validTo": "2024-06-19",
                "regionIsoCode": "US-CA",
                "value": 100,
                "scale": 1
            },
            .....
        ],
        "images": {
            "image1": "https://api.cc.commerce.ondemand.com/occ/v2/
bnCatalog/medias/image1.jpg",
            "image2": "https://api.cc.commerce.ondemand.com/occ/v2/
bnCatalog/medias/image2.jpg",
            "image3": "https://api.cc.commerce.ondemand.com/occ/v2/
bnCatalog/medias/image2.jpg",
            "image4": "https://api.cc.commerce.ondemand.com/occ/v2/
bnCatalog/medias/image4.jpg",
            "image5": "https://api.cc.commerce.ondemand.com/occ/v2/
bnCatalog/medias/image5.jpg"
        },
        .....
    },
    .....
]
}

```

If you include an unsupported property in the \$expand parameter, for example GET /products? \$expand=prices,images,summary, the response will include an error message similar to the following:

```

{
  "error": {
    "code": "101056",
    "message": "Invalid request: The property 'summary', used in a query
expression, is not defined in type 'product'."
  }
}

```

List products with \$filter

Filter the list by a single property (productId):

Sample request:

```

GET /products?$filter=(productId eq 'prod3881026') or (productId eq 'prod3881027')
or (productId eq 'prod3881028')

```

Sample response:

```

{
  "value": [
    {
      "productId": "prod3881026",
      .....
    },
    {
      "productId": "prod3881028",
      .....
    }
  ]
}

```

```
}
]
}
```

Filter the list by multiple properties:

Sample request:

```
GET /products?$filter=(productId eq 'prod3881026' or productId eq 'prod3881027')
and (productStatus eq 'DRAFT') and (categoryCode eq '352200' or
categoryCode eq '567800' or categoryCode eq '437600') and (modifiedTime ge
2024-05-24T08:06:39+02:00 and modifiedTime le 2024-08-24T08:06:39Z)
```

Sample response:

```
{
  "value": [
    {
      "productId": "prod3881026",
      "categoryCode": "437600",
      "productStatus": "DRAFT",
      "modifiedTime": "2024-06-16T16:00:00Z"
    }
  ]
}
```

If you include an unsupported property in the \$filter parameter, for example, GET /products?\$filter=manufacturerName eq 'SAP', the response will include an error message similar to the following:

```
{
  "error": {
    "code": "101056",
    "message": "Invalid request: The property 'manufacturerName', used in a query
expression, is not defined in type 'OData.OpenAPI.product'."
  }
}
```

List products in a specific order

Sample request (ascending order): GET /products?\$orderby=validTo

Sample request (descending order): GET /products?\$orderby=modifiedTime desc

List products with \$search

You can search product names in a specific language. For example, if your request contains \$search=PROD243 and you've set Accept-Language to fr (French), the search will return products with French names that contain PROD243.

Sample request:

```
Get /products?$search=Traube
Accept-Language: "fr"
```

Sample response:

```
{
  "value": [
    {
      .....
    }
  ]
}
```

```
    "name": [
      {
        "lang": "en",
        "value": "Grape"
      },
      {
        "lang": "fr",
        "value": "Traube"
      }
    ],
    .....
  },
  .....
]
```

Related Information

[Notes on Using the Network Catalog Management API \[page 36\]](#)

Editing a Product with the Network Catalog Management API

The PATCH /products/{productId} endpoint of the Network Catalog Management API enables you to edit a product in your network catalog.

Procedure

Use the PATCH /products/{productId} endpoint. Replace productId with the ID of the target product.

Provide your ANID and API key in the API header:

Header Parameter	Type	Description
X-ARIBA-NETWORK-ID	String	Required. Your SAP Business Network ID (ANID).
apiKey	String	Required. The application key of the application you created in SAP Ariba Developer Portal. If you don't have an application, create one as described in Steps to Start Using the Network Catalog Management API [page 4] .

In the request body, specify the product properties that you want to update. You can refer to the sample codes in [Examples \[page 30\]](#).

Property	Type	Description
categoryCode	String/6 or 8	UNSPSC (United Nations Standard Products and Services Code) of the product. For more information, see Commodity Codes .
publishedStatus	String	The desired publishing status. The default is UNPUBLISHED . Set it to PUBLISHED if you want to add the product and directly publish it online.
ean	String/13	The European Article Number (EAN) of the product.
upc	String/12	The Universal Product Code (UPC) of the product.
unit	String	Required. The unit of measure for the product. Select the unit of measure in UNUOM (United Nations Unit of Measure) standards which will be considered as the base unit of measure or sales unit.
validFrom	Date (YYYY-MM-DD)	The date from which the product becomes valid. This date is based on UTC time and must be prior to the product expiration date (ValidTo).
validTo	Date (YYYY-MM-DD)	The future date until which the product is valid. This date is based on UTC time.
productUrl	String/255	Product URL to provide more information about the product. The URL must start with "https".
manufacturerName	String/255	The name of the product manufacturer or brand name.
manufacturerPartId	String/255	A unique number assigned to the part by the manufacturer or brand.
manufacturerUrl	String/255	The URL of the product manufacturer's website. The URL must start with "https".
name	String/80	At least one product name is required for a product. You can specify an array of names, each representing the product name in a different language. The name will be displayed as the product title on the search results page. Specify each name with two attributes: lang The language code for the product name. For a list of language codes, see Language Codes. value Product name. Do not include quotes, HTML, symbols, or commas.
description	String/1000	You can specify an array of descriptions, each representing the product description in a different language. Specify each description with two attributes: lang The language code for the product description. For a list of language codes, see Language Codes. value Detailed product description. Do not include quotes, HTML, symbols, or commas.

Property	Type	Description
summary	String/1000	You can specify an array of summaries, each representing the product summary in a different language. Specify each summary with two attributes: lang The language code for the product summary. For a list of language codes, see Language Codes. value Brief product description. Do not include quotes, HTML, symbols, or commas.
leadShippingTime	Integer	Number of days required to ship the product. Decimal values are not allowed.
prices		You can specify an array of prices, each representing a price for the product. Specify each price with the following attributes: currencyIso Required. The 3-character ISO 4217 currency code for the price. For more information, see Currency Codes. countryIsoCode Required. The ISO 3166-1 alpha-2 code for the country/region associated with the price. For more information, see State and Country Codes. unit Required. The unit of measure for the price. Ensure your prices contain one price with the same unit as the "unit" of the product. For more information, see Unit of Measure Codes. validFrom Date in YYYY-MM-DD format from which the price becomes valid. This date is based on UTC time. validTo Future date in YYYY-MM-DD format until which the price is valid. This date is based on UTC time. regionIsoCode The ISO 3166-2 region code for the region associated with the price. For more information, see State and Country Codes. value The price value. You can set a price without providing a value. scale Required. The minimum order quantity for which the price is effective. For example, you can specify two prices for a product: the price is 100 USD if the order quantity is between 1 and 19 (set value to 100 and scale to 1) and the price is 99 USD if the order quantity is 20 or more (set value to 99 and scale to 20).

Property	Type	Description
images	String	The URLs of the images to be downloaded and set to the product. The URLs must start with "https". Use image1 to specify the default product image and image2 through image5 for additional images.
carbonEmission		The carbon emission details of the product. enabled Set this to true if you want to provide product-specific carbon emission information. Then specify the attributes listed below. The default is false. co2e Required when enabled is true. Details about the product's CO2 equivalent emission, including: emissionQuantity (Decimal (10,2)) The quantity of CO2 equivalent emitted. emissionUnit (String) The unit of measure in UNUOM (United Nations Unit of Measure) standards for CO2e emission. Example: KGM quantityPerUnit (Integer) The CO2 equivalent emission per unit of the product. boundary (String/20) Required when enabled is true. The life cycle stage considered for the carbon emission calculation. Supported values: CR_TO_GAT (Cradle to Gate), CR_TO_GRV (Cradle to Grave) accuracy (String/20) Required when enabled is true. The level of accuracy of the carbon emission data. Supported values: HIGH, MEDIUM, LOW accountStandard (String/20) Required when enabled is true. The greenhouse gas accounting standard used for emission calculation. Example: GHG (GTH Protocol) validFrom Date in YYYY-MM-DD format from which the carbon emission data is valid. This date is based on UTC time. validTo Future date in YYYY-MM-DD format until which the carbon emission data is valid. This date is based on UTC time. additionalInfo (String/1000) Any additional information about the carbon emission data.

Property	Type	Description
circularEconomy		The circular economy details of the product, including: recycledContentPercentage The percentage of recycled content used in the product. renewableEnergyUsedPercentage The percentage of renewable energy used in the product's production.

If the request is successful, the endpoint returns HTTP status code 200 OK and the details of the updated product.

If the request is unsuccessful, the response includes an error message. See [Error Messages Returned by the Network Catalog Management API \[page 37\]](#) to troubleshoot your request.

Examples

Update basic product information

Sample request:

```
{
  "categoryCode": "31241501",
  "ean": "4006381333931",
  "upc": "123456789012",
  "unit": "H87",
  "validFrom": "2002-02-10",
  "validTo": "2006-02-22",
  "productUrl": "https://www.product123.com",
  "manufacturerName": "Tesla",
  "manufacturerPartId": "3881044",
  "manufacturerUrl": "https://www.hello345.com",
  "leadShippingTime": 25
}
```

Update product prices

Sample request:

```
{
  "prices": [
    {
      "countryIsoCode": "US",
      "currencyIso": "USD",
      "regionIsoCode": "US-CA",
      "scale": 1,
      "unit": "H87",
      "validFrom": "2024-06-01",
      "validTo": "2024-06-02",
      "value": 17
    },
    {
      "countryIsoCode": "US",
      "currencyIso": "USD",
      "regionIsoCode": "US-AL",
      "scale": 1,
      "unit": "H87",
      "validFrom": "2024-06-01",

```

```

        "validTo": "2024-06-01",
        "value": 18.5
      }
    ]
  }
}

```

Update carbon emission information

Sample request:

```

{
  "carbonEmission": {
    "enabled": true,
    "co2e": {
      "emissionQuantity": 15,
      "emissionUnit": "KGM",
      "quantityPerUnit": 2
    },
    "boundary": "CR_TO_GAT",
    "accuracy": "LOW",
    "accountStandard": "GHG",
    "validFrom": "2024-08-25",
    "validTo": "2024-10-06",
    "additionalInfo": "good"
  }
}

```

Update circular economy information

Sample request:

```

{
  "circularEconomy": {
    "renewableEnergyUsedPercentage": 79,
    "recycledContentPercentage": 83
  }
}

```

Update product name, description, and summary

Sample request:

```

{
  "name": [
    {
      "lang": "zh-CN",
      "value": "显示器"
    }
  ],
  "description": [
    {
      "lang": "zh-CN",
      "value": "显示器描述"
    },
    {
      "lang": "en",
      "value": "monitor desc"
    }
  ],
  "summary": [
    {
      "lang": "en",
      "value": "monitor summary"
    }
  ]
}

```

```
}
```

Update product images

Sample request:

```
{
  "images": {
    "image4": "https://images-cn.ssl-images-amazon.cn/images/I/
71VMAGbRLfL._AC_SL1500_.jpg",
    "image5": "https://images-cn.ssl-images-amazon.cn/images/I/
71VMAGbRLfL._AC_SL1500_.jpg"
  }
}
```

Update publishing status

You can publish a staged product by updating its `publishedStatus` to `PUBLISHED`.

Sample request:

```
{
  "publishedStatus": "PUBLISHED"
}
```

Related Information

[Notes on Using the Network Catalog Management API \[page 36\]](#)

Retrieving Information on a Single Product with the Network Catalog Management API

The `GET /products/{productId}` endpoint of the Network Catalog Management API enables you to retrieve details about a network catalog product.

Procedure

Use the `GET /products/{productId}` endpoint. Replace `productId` with the ID of the target product.

In the API header, specify the following parameters:

Header Parameter	Type	Description
X-ARIBA-NETWORK-ID	String	Required. Your SAP Business Network ID (ANID).

Header Parameter	Type	Description
Accept-Language	String	Optional. Specifies the language used for returning translated text for the categoryName property. The default language is en (English). You can specify up to two languages, separated by a comma. The second language is used when the translated text for the first language is not available. For a list of language codes, see Language Codes. This parameter only applies to the categoryName property shown in the response. The response always includes all languages for the name, description, and summary properties. See Examples [page 33] for sample responses with or without a specified Accept-Language.
apiKey	String	Required. The application key of the application you created in SAP Ariba Developer Portal. If you don't have an application, create one as described in Steps to Start Using the Network Catalog Management API [page 4].

If the request is successful, the endpoint returns HTTP status code **200 OK** and the details of the product.

If the request is unsuccessful, the response includes an error message. See [Error Messages Returned by the Network Catalog Management API \[page 37\]](#) to troubleshoot your request.

Examples

If Accept - Language is not specified, the response includes the value of **categoryName** in English, **Grape**, in this example.

Sample response:

```
{
  "productId": "BNCAT243T8",
  "categoryCode": "503036",
  "categoryName": "Grape",
  "ean": "101",
  "upc": "201",
  "unit": "EA",
  "validTo": "2024-06-19T15:59:59.000Z",
  "validFrom": "2024-06-10T16:00:00.000Z",
  "productUrl": "https://www.example.com/product/1029995.html",
  "manufacturerName": "SAP",
  "manufacturerPartId": "ARIBA1000",
  "manufacturerUrl": "https://www.example.com",
  "name": [
    {
      "lang": "en",
      "value": "SAP Network Catalog Product Name"
    },
    {
      "lang": "de",
      "value": "Product name in German"
    },
    {
      "lang": "zh-CN",
```

```

        "value": "中文产品名称"
    }
  ],
  "summary": [
    {
      "lang": "en",
      "value": "Product Summary"
    },
    {
      "lang": "zh-CN",
      "value": "中文产品简介"
    }
  ],
  "description": [
    {
      "lang": "en",
      "value": "Product Description"
    }
  ],
  "leadShippingTime": 2,
  .....
]
}

```

If you set `Accept-Language` to `de` (German), the response includes the value of `categoryName` in German, `Traube`, in the below example. Other properties are not affected.

Sample response:

```

{
  "productId": "BNCAT243T8",
  "categoryCode": "503036",
  "categoryName": "Traube",
  "ean": "101",
  "upc": "201",
  "unit": "EA",
  "validTo": "2024-06-19T15:59:59.000Z",
  "validFrom": "2024-06-10T16:00:00.000Z",
  "productUrl": "https://www.example.com/product/1029995.html",
  "manufacturerName": "SAP",
  "manufacturerPartId": "ARIBA1000",
  "manufacturerUrl": "https://www.example.com",
  "name": [
    {
      "lang": "en",
      "value": "SAP Network Catalog Product Name"
    },
    {
      "lang": "de",
      "value": "Product name in German"
    },
    {
      "lang": "zh-CN",
      "value": "中文产品名称"
    }
  ],
  "summary": [
    {
      "lang": "en",
      "value": "Product Summary"
    },
    {
      "lang": "zh-CN",
      "value": "中文产品简介"
    }
  ],
  "description": [

```

```

    {
      "lang": "en",
      "value": "Product Description"
    }
  ],
  "leadShippingTime": 2,
  .....
]
}

```

Related Information

[Notes on Using the Network Catalog Management API \[page 36\]](#)

Deleting a Product with the Network Catalog Management API

The DELETE /products/{productId} endpoint of the Network Catalog Management API enables you to delete a product from your network catalog.

Procedure

Use the DELETE /products/{productId} endpoint. Replace productId with the ID of the product that you want to delete.

Provide your ANID and API key in the API header:

Header Parameter	Type	Description
X-ARIBA-NETWORK-ID	String	Required. Your SAP Business Network ID (ANID).
apiKey	String	Required. The application key of the application you created in SAP Ariba Developer Portal. If you don't have an application, create one as described in Steps to Start Using the Network Catalog Management API [page 4] .

If the request is successful, the endpoint returns HTTP status code 204 No Content.

If the request is unsuccessful, the response includes an error message. See [Error Messages Returned by the Network Catalog Management API \[page 37\]](#) to troubleshoot your request.

Related Information

[Notes on Using the Network Catalog Management API \[page 36\]](#)

Notes on Using the Network Catalog Management API

When using the Network Catalog Management API, note the following restrictions and guidelines:

- You can use the API to add, edit, delete, and retrieve products in your network catalog. However, you can't use it to upload product files. To upload product files, sign in to your SAP Business Network account and use the network catalog user interface.
- You can add, edit, or delete only one product per API request.
- We recommend that you perform API requests sequentially, starting each call only after the previous one completes. Simultaneous API calls through multiple threads or processes may be rejected or cause errors, especially when your requests involve loading product images.
- In the API model definition, required fields are marked with an asterisk (*). You must provide a value for each of these fields.

```
SupplierProductForCreation {  
  productId* > [...]  
  categoryCode* > [...]  
  ean > [...]
```

For detailed information on each field type, refer to [Adding a Product with the Network Catalog Management API \[page 10\]](#).

- When adding or editing a network catalog product, the `images` property is optional. If you choose to specify one or more images for a product, you must designate `image1` as the default product image and `image2` through `image5` for additional images. For example,

✓ Correct:

```
"images": {  
  "image1": "https://example.com/image1.jpg",  
  "image2": "https://example.com/image2.jpg",  
  "image3": "https://example.com/image3.jpg"  
}
```

✗ Incorrect:

```
"images": {  
  "Image1": "https://example.com/image1.jpg",  
  "IMAGE2": "https://example.com/image2.jpg",  
  "ComputerImage": "https://example.com/image3.jpg"  
}
```

Error Messages Returned by the Network Catalog Management API

Use this information to troubleshoot your requests to the Network Catalog Management API.

HTTP Status Codes

HTTP Status Code	Message	Description
400	Bad request	The request body refers to one or more invalid fields.
401	Unauthorized	The request couldn't be authenticated. Confirm your OAuth credentials and API key.
403	Forbidden	The request has insufficient permissions to carry out the operation. Confirm that your ANID is correctly provided in the request header under 'X-ARIBA-NETWORK-ID', and the authorization scope associated with your access token includes the necessary permissions for this request.
404	Not found	The productId does not exist.
409	Conflict	A product with the same productId already exists.
500	Internal server error	An internal error occurred. Try your query again.
501	Not implemented	The \$filter parameter contains unsupported operations, or the requested functionality is not supported.

Response Body Errors

Error Code	Message	Additional Information
99999	Invalid request body	Your request body refers to one or more invalid fields.
100000	Product validation error	Check the properties in your request body.
100004	Unable to save the product	Please contact SAP support.
100015	Product unit not found	Specify a valid unit for the product. It's a required property.

Error Code	Message	Additional Information
100016	Product validFrom date is after the validTo date, or one of the dates is empty.	Check the validFrom and validTo dates for the product.
100025	Price validFrom date is after the validTo date, or one of the dates is empty.	Check the validFrom and validTo dates for prices.
100026	Price regionIsoCode not found	Specify a valid regionIsoCode for each price. It's a required attribute for price.
100027	countryIsoCode not found	Specify a valid countryIsoCode for each price. It's a required attribute for price.
100028	currencyIso not found	Specify a valid currencyIso for each price. It's a required attribute for price.
100029	Allowed length for product name is between <number> to <number> characters	Your product name is too long. Please shorten it.
100030	leadShippingTime must be a positive number	Check the value of leadShippingTime.
100031	Invalid productUrl. Use a secure URL starting with 'https://'.	Check the productUrl.
100032	Invalid manufacturerUrl. Use a secure URL starting with 'https://'.	Check the manufacturerUrl.
100033	Allowed length for product description is between <number> to <number> characters	Your product description is too long. Please shorten it.
100034	Allowed length for product summary is between <number> to <number> characters	Your product summary is too long. Please shorten it.
100035	Price value must be a positive number	Check the value attribute for each price.
100036	Price scale must be a positive number	Check the scale attribute for each price. For more information, see Adding a Product [page 10] or Editing a Product [page 26] .
100039	productId does not exist	Check the productId in your endpoint path.
100040	Unable to save product price	Check if you have specified identical prices for the product.
100043	Before publishing the product, you must specify at least one price for the product. Ensure the 'unit' specified in the price object matches the 'unit' parameter of the product.	Specify at least one valid price if publishedStatus is set to PUBLISHED , or set publishedStatus to UNPUBLISHED (you can publish it later).
100044	Carbon emission data is incomplete. Specify a value for <list of attributes> or set 'enabled' to false.	When the enabled attribute for carbonEmission is set to true

Error Code	Message	Additional Information
		For more information, see Adding a Product [page 10] or Editing a Product [page 26] .
100045	The validity period specified by Valid from and Valid to overlaps with another validity period for the same product, quantity, unit of measure, and location.	For each combination of product, quantity, unit of measure, and location, you can set only one validity period. Review your entries to identify any overlaps and adjust them accordingly.
100101	Authentication failed. Confirm your OAuth credentials and API key.	Your request couldn't be authenticated. Check your credentials and API key.
100103	Access denied. Confirm your ANID in the header parameter 'X-ARIBA-NETWORK-ID'. Verify that the authorization scope associated with your access token includes the necessary permissions for this request.	Your request has insufficient permissions to carry out the operation. Check ANID or the authorization scope for your access token.
100105	Internal Server Error	An internal error occurred. Try your query again.
101000	productId cannot be empty	Specify a productId.
101001	Allowed length for productId is between <number> to <number> characters	The productId is too long. Please shorten it.
101002	productId must contain only the following characters: A - Z, a - z, 0 - 9, dash (-), underscore (_)	Check the productId.
101003	categoryCode is not found, inactive, invalid, or at the Segment or Family classification level. Use either a 6-digit UNSPSC code that represents a classification at the Class level, or an 8-digit UNSPSC code that represents a classification at the Commodity level. SAP Business Network uses UNDP version - UNSPSC v25.9 by default.	Check the categoryCode. The value must be a 6-digit or 8-digit UNSPSC code. A 6-digit code represents a classification at level 3, the Class level (e.g., 441217). An 8-digit code represents a classification at level 4, the Commodity level (e.g., 44121706). SAP Business Network uses UNDP version - UNSPSC v25.9 by default. You can download the UNSPSC Codeset v25.9 from UNSPSC Codeset Downloads . Free version: Link (login needed)
101004	ean must be a number that contains 13 characters	Check the value of ean.
101005	upc must be a number that contains 12 characters	Check the value of upc.
101007	The maximum length for manufacturerUrl is <number> characters	The manufacturerUrl is too long. Please shorten it.

Error Code	Message	Additional Information
101008	The maximum length for manufacturerName is <number> characters	The manufacturerName is too long. Please shorten it.
101009	The maximum length for manufacturerPartId is <number> characters	Check the value of manufacturerPartId.
101010	Product name cannot be empty	Specify at least one name for the product. It's a required property.
101011	Invalid lang for product name	Check the language code for the product name. For more information, see examples in Adding a Product [page 10] or Editing a Product [page 26] .
101012	Product name cannot be empty	Specify a name for the product. It's a required property.
101013	Invalid lang for product description	Check the language code for the product description. For more information, see examples in Adding a Product [page 10] or Editing a Product [page 26] .
101014	Product description cannot be empty	Specify a product description.
101015	Invalid lang for product summary	Check the language code for the product summary. For more information, see examples in Adding a Product [page 10] or Editing a Product [page 26] .
101016	Product summary cannot be empty	Specify a product summary.
101017	Price scale cannot be empty	Specify a valid scale for each price. It's a required attribute for price.
101018	Carbon emission enabled cannot be empty	Set the enabled attribute for carbonEmission to true if you want to specify carbonEmission details. For more information, see Adding a Product [page 10] or Editing a Product [page 26] .
101019	Carbon dioxide equivalent co2e cannot be empty	When the enabled attribute for the carbonEmission property is set to true , you need to specify the required carbonEmission attributes. For more information, see Adding a Product [page 10] or Editing a Product [page 26] .

Error Code	Message	Additional Information
101020	emissionQuantity must be a positive decimal	Check the value of emissionQuantity.
101021	emissionQuantity allows up to <number> integer digits and <number> decimal places	Check the value of emissionQuantity.
101022	emissionQuantity cannot be empty	When the enabled attribute for the carbonEmission property is set to true, you need to specify the required carbonEmission attributes. For more information, see Adding a Product [page 10] or Editing a Product [page 26].
101023	emissionUnit cannot be empty	When the enabled attribute for the carbonEmission property is set to true, you need to specify the required carbonEmission attributes. For more information, see Adding a Product [page 10] or Editing a Product [page 26].
101024	Invalid emissionUnit	Check the value of emissionUnit. For more information, see Adding a Product [page 10] or Editing a Product [page 26].
101025	Emission quantityPerUnit cannot be empty	When the enabled attribute for the carbonEmission property is set to true, you need to specify the required carbonEmission attributes. For more information, see Adding a Product [page 10] or Editing a Product [page 26].
101026	Emission quantityPerUnit must be a positive number	Check the value of quantityPerUnit.
101027	Carbon emission boundary cannot be empty	When the enabled attribute for the carbonEmission property is set to true, you need to specify the required carbonEmission attributes. For more information, see Adding a Product [page 10] or Editing a Product [page 26].
101028	Price unit not found	Ensure your prices contain a price with the same unit as the "unit" of the product.

Error Code	Message	Additional Information
101031	Invalid carbon emission boundary	See supported boundary values in Adding a Product [page 10] or Editing a Product [page 26] .
101032	Carbon emission accuracy cannot be empty	When the enabled attribute for the carbonEmission property is set to true , you need to specify the required carbonEmission attributes. For more information, see Adding a Product [page 10] or Editing a Product [page 26] .
101033	Invalid carbon emission accuracy	See supported accuracy values in Adding a Product [page 10] or Editing a Product [page 26] .
101034	Carbon emission accountStandard cannot be empty	When the enabled attribute for the carbonEmission property is set to true, you need to specify a value for required carbonEmission attributes. For more information, see Adding a Product [page 10] or Editing a Product [page 26] .
101035	Invalid carbon emission accountStandard	See supported accountStandard values in Adding a Product [page 10] or Editing a Product [page 26] .
101036	Carbon emission validFrom cannot be empty	Specify both validFrom and validTo dates for the carbonEmission property.
101038	Carbon emission validTo cannot be empty	Specify both validFrom and validTo dates for the carbonEmission property.
101040	Carbon emission validFrom date is after the validTo date, or one of the dates is empty.	Check the validFrom and validTo dates for the carbonEmission property.
101041	Carbon emission recycledContentPercentage must be an integer from <number> to <number>	Check the value of recycledContentPercentage.
101042	Carbon emission renewableEnergyUsedPercentage must be an integer from <number> to <number>	Check the value of renewableEnergyUsedPercentage.
101043	Invalid publishedStatus	See supported publishedStatus values in Adding a Product [page 10] or Editing a Product [page 26] .
101044	Invalid URL for image1. Use a secure URL starting with 'https://'.	Check the URL.
101045	Invalid URL for image2. Use a secure URL starting with 'https://'.	Check the URL.
101046	Invalid URL for image3. Use a secure URL starting with 'https://'.	Check the URL.

Error Code	Message	Additional Information
101047	Invalid URL for image4. Use a secure URL starting with 'https://'.	Check the URL.
101048	Invalid URL for image5. Use a secure URL starting with 'https://'.	Check the URL.
101049	Price value cannot be empty	Specify a value for price.
101050	categoryCode cannot be empty	Specify a categoryCode. It's a required property.
101051	Product unit cannot be empty	Specify a unit for the product. It's a required property.
101052	Illegal operation in \$filter: <operation>	See supported operations for \$filter in Retrieving a Product List [page 20] .
101053	The property <property> is illegal for comparison	See supported properties in Retrieving a Product List [page 20]
101054	Illegal value in \$orderby	See supported values for \$orderby in Retrieving a Product List [page 20] .
101055	The value in \$search must be enclosed in double-quotes as a phrase	For more information on how to use \$search, see Retrieving a Product List [page 20] .
101056	Invalid request: <details>	Check your request.
101057	Operation is not supported	See supported operations for \$filter in Retrieving a Product List [page 20] .
101058	The requested functionality is not supported: <details>	Check <details> for more information.
101059	Invalid date and time	Check the format of modifiedTime in the \$filter parameter. For more information on how to use \$filter, see Retrieving a Product List [page 20] .
200006	Unable to download images via the specified URLs	Check image URLs.

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