

[Private Catalog](https://cloud.google.com/private-catalog/) (<https://cloud.google.com/private-catalog/>)

[Documentation](https://cloud.google.com/private-catalog/docs/) (<https://cloud.google.com/private-catalog/docs/>) [Guides](#)

Calling the REST API

In this guide, you learn how to call the Private Catalog Producer REST API.

Before you begin

1. [Sign in](https://accounts.google.com/Login) (<https://accounts.google.com/Login>) to your Google Account.

If you don't already have one, [sign up for a new account](https://accounts.google.com/SignUp) (<https://accounts.google.com/SignUp>).

2. In the Cloud Console, on the project selector page, select or create a Google Cloud project.

★ **Note:** If you don't plan to keep the resources that you create in this procedure, create a project instead of selecting an existing project. After you finish these steps, you can delete the project, removing all resources associated with the project.

[GO TO THE PROJECT SELECTOR PAGE](https://console.cloud.google.com/projectselector) ([HTTPS://CONSOLE.CLOUD.GOOGLE.COM/PROJECTSELECT](https://console.cloud.google.com/projectselector)

3. Make sure that billing is enabled for your Google Cloud project. [Learn how to confirm billing is enabled for your project](https://cloud.google.com/billing/docs/how-to/modify-project) (<https://cloud.google.com/billing/docs/how-to/modify-project>).
4. Enable the Deployment Manager and Compute Engine APIs.

[ENABLE THE APIS](https://console.cloud.google.com/flows/enableapi?apiid=DEPLOYM) ([HTTPS://CONSOLE.CLOUD.GOOGLE.COM/FLOWS/ENABLEAPI?APIID=DEPLOYM](https://console.cloud.google.com/flows/enableapi?apiid=DEPLOYM)

Configure authentication

As a cloud admin, you can make REST calls to perform actions on Private Catalog. To get started, set up your access credentials:

1. [Get your client ID and secret](https://support.google.com/cloud/answer/6158849?hl=en) (https://support.google.com/cloud/answer/6158849?hl=en).
2. [Get your access token](https://developers.google.com/identity/protocols/OAuth2) (https://developers.google.com/identity/protocols/OAuth2).
3. Make sure to send `https://www.googleapis.com/auth/cloud-platform` in the scope parameter.

Create a catalog

To create a catalog, run the following command and replace `<token>` with your OAuth2 access token and `<organization-ID>` with your organization ID:

```
curl -s -X POST -H "Content-Type: application/json" -H "Authorization: Bearer <token>"
```

The response body contains data similar to the following output:

```
{  
  "name": "operations/ccb.515502c5-81ad-4226-8037-1b802eed8f69"  
}
```

This is the operation name. You can derive the operation ID from the operation name by removing the prefix `operation/`. In the previous example response, the operation ID is `ccb.515502c5-81ad-4226-8037-1b802eed8f69`. You can use the operation ID to check the status of the creation of the catalog.

Check the status of a catalog creation operation

To create a catalog, run the following command and replace `<operation-ID>` with the operation ID from the previous response:

```
curl -s -H "Authorization: Bearer <token>" https://cloudprivatecatalogproducer.googleapis.com/v1beta1/operations/<operation-ID>
```

List your organization's catalogs

To list catalogs that you have access to, within the scope of an organization, run the following command and replace `<organization-number>` with the organization number:

```
curl -s -H "Authorization: Bearer <token>" https://cloudprivatecatalogproducer.googleapis.com/v1/catalogs?parent=organizations/<organization-number>
```

The response body contains data similar to the following output:

```
{
  "catalogs": [
    {
      "name": "catalogs/<catalog-ID>",
      "parent": "//cloudresourcemanager.googleapis.com/organizations/<organization-ID>",
      "displayName": "Mobile catalog",
      "description": "Mobile-related applications",
      "createTime": "2019-01-01T22:05:19.541Z",
      "updateTime": "2019-01-01T22:05:26.097Z"
    },
    {
      "name": "catalogs/<catalog ID>",
      "parent": "//cloudresourcemanager.googleapis.com/organizations/<organization-ID>",
      "displayName": "Development tools",
      "description": "Applications and tools for developers",
      "createTime": "2019-01-06T00:08:06.090Z",
      "updateTime": "2019-01-06T00:08:08.069Z"
    },
    {
      "name": "catalogs/<catalog ID>",
      "parent": "//cloudresourcemanager.googleapis.com/organizations/<organization-ID>",
      "displayName": "Data science catalog",
      "description": "Applications for data scientists",
      "createTime": "2019-01-06T00:09:45.319Z",
      "updateTime": "2019-01-06T00:09:48.050Z"
    },
    {
      "name": "catalogs/<catalog ID>",
      "parent": "//cloudresourcemanager.googleapis.com/organizations/<organization-ID>",
      "displayName": "Training catalog",
      "description": "Training applications and software",
      "createTime": "2019-01-06T22:13:38.261Z",
      "updateTime": "2019-01-06T22:13:46.291Z"
    },
    {
      "name": "catalogs/<catalog-ID>",
      "parent": "//cloudresourcemanager.googleapis.com/organizations/<organization-ID>"
    }
  ]
}
```

```
    "displayName": "Media catalog",
    "description": "Applications for handling audio and visual media",
    "createTime": "2019-01-07T00:15:11.949Z",
    "updateTime": "2019-01-07T00:15:15.426Z"
  }
]
```

Get information about a particular catalog

To get information about a catalog, run the following command and replace `<catalog-ID>` with the catalog ID from the response of an API call to list your organization's catalogs:

```
curl -s -H "Authorization: Bearer <token>" https://cloudprivatecatalogproducer.googleapis.com/v1/catalogs/<catalog-ID>
```

The response body contains data similar to the following output:

```
{
  "name": "catalogs/<catalog-ID>",
  "parent": "//cloudresourcemanager.googleapis.com/organizations/<organizaton-ID>",
  "displayName": "Data science catalog",
  "description": "Applications for data scientists",
  "createTime": "2019-01-01T22:05:19.541Z",
  "updateTime": "2019-01-01T22:05:26.097Z"
}
```

Create a product

To create a product, run the following command and replace `<catalog-ID>` with the catalog ID from the response of an API call to list your organization's catalogs:

Note: When the body of the request is large, you can store the request in a file and then use file name in the request. For example, the following example stores the body in a file called

`/tmp/rest_create_product_request`.

```
curl -s -X POST -H "Content-Type: application/json" -H "Authorization: Bearer <token>" https://cloudprivatecatalogproducer.googleapis.com/v1/catalogs/<catalog-ID>/products
```

The following example illustrates the contents of the `/tmp/rest_create_product_request` file:

Note: `<product-name>` must start with a letter, followed by letter, number, or dash, and end with letter or number.

```
{
  name:"catalogs/<catalog-ID>/products/<product-name>",
  asset_type:"google.deploymentmanager.Template",
  display_metadata:{
    name:"<product-name>",
    description:"Sample Description"
  }
}
```

List the products in a catalog

To list products in a catalog, run the following command and replace `<catalog-ID>` with the catalog ID from the response of an API call to list your organization's catalogs:

```
curl -s -H "Authorization: Bearer <token>" https://cloudprivatecatalogproducer.googlecloud.com/v1beta1/catalogs/<catalog-ID>/products
```

The response body contains data similar to the following output:

```
{
  "products": [
    {
      "name": "catalogs/<catalog-ID>/products/dm-product",
      "assetType": "google.deploymentmanager.Template",
      "displayMetadata": {
        "name": "sample-metadata-name",
        "description": "sample-metadata-description",
        "tagline": "sample-metadata-tagline",
        "support_info": "sample-metadata-support-info"
      },
      "createTime": "2019-01-04T19:36:02.573Z"
    },
    {
      "name": "catalogs/<catalog-ID>/products/listingonly",
      "assetType": "google.private-catalog.ListingOnly",
      "displayMetadata": {
```

```

    "name": "listing-based product",
    "description": "description",
    "tagline": "tagline",
    "support_info": "support_info",
    "signup_url": "https://cloud.google.com/launcher",
    "documentations": [
      {
        "url": "https://cloud.google.com/launcher"
      }
    ],
    "createTime": "2019-01-06T00:25:44.722Z"
  }
]
}

```

Create a product version

To create a product version, run the following command and replace `<catalog-ID>` with a catalog ID and `<product-name>` with the name of the product you want to create a version for:

```
curl -s -X POST -H "Content-Type: application/json" -H "Authorization: Bearer <token>"
```

The following example illustrates the contents of the `/tmp/rest_create_version_request` file:

```

{
  name: "catalogs/<catalog-ID>/products/<product-name>/versions/v1",
  description: "v1",
  original_asset: {
    imports: [
      {
        name: "my-template",
        content: "resources:\n name: \'awesome template\'\n properties:\n
      },
      {
        name: "my-template.schema",
        content: ""
      }
    ],
    mainTemplate: "my-template",
    templateFileType: "JINJA"
  }
}

```

```
}  
}
```

The response body contains data about the resulting operation, similar to the following output:

```
{  
  "name": "operations/cvb.efcd831d-257d-43f7-8650-f7016c7469cb"  
}
```

List the versions of a product

To list the versions of a product, run the following command and replace `<catalog-ID>` with the catalog ID and `<product-name>` with the name of the product you want to list versions for:

```
curl -s -H "Authorization: Bearer <token>" https://cloudprivatecatalogproducer.googleapis.com/v1/catalogs/<catalog-ID>/products/<product-name>/versions
```

The response body contains data similar to the following output:

```
{  
  "versions": [  
    {  
      "name": "catalogs/<catalog-ID>/products/<product-name>/versions/v1",  
      "createTime": "2019-01-04T19:37:47.519Z",  
      "updateTime": "2019-01-04T19:37:47.519Z"  
    }  
  ]  
}
```

Upload a product icon

To upload a product icon, run the following command and replace `<catalog-ID>` with the catalog ID and `<product-name>` with the name of the product you want to upload an icon for:

Note: If you don't upload a product icon, the product has a default icon URI.

```
curl -s -X POST -H "Content-Type: application/json" -H "Authorization: Bearer <token>
```

The following example illustrates the contents of the `/tmp/rest_upload_icon_request` file:

```
{  
  icon_bytes: "iVBORw0KGgoA...Jggg=="  
}
```

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