Cloud Vision API Product Search

Deleting resources

You can delete reference image, product, or product set resources created by the API.
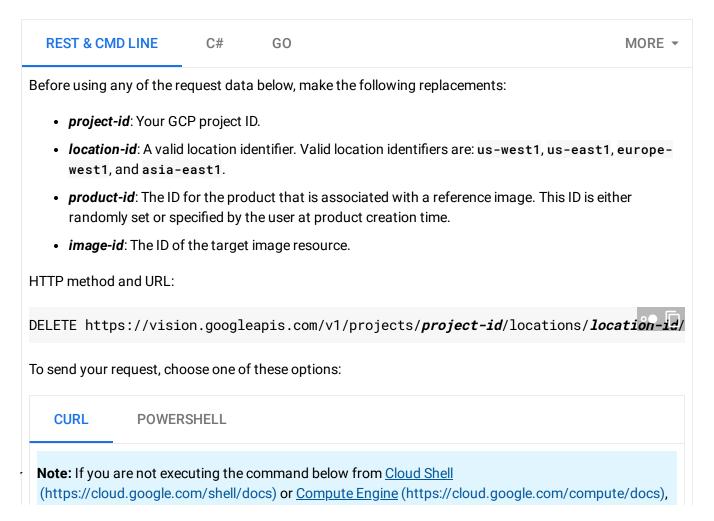
Individual resource deletion

Deleting a reference image

You can delete a reference image associated with a product.

After the operation request the images are marked for deletion, but will remain in the product until the next time it is indexed.

The actual image files in Google Cloud Storage are NOT deleted by this operation. Only the reference to the image is removed from the product.
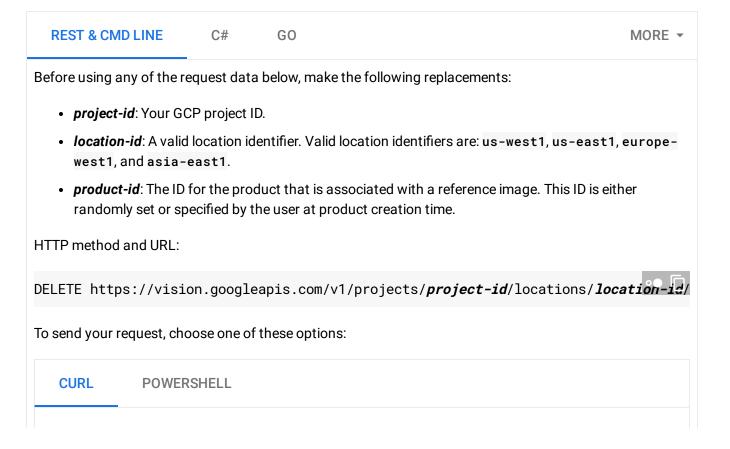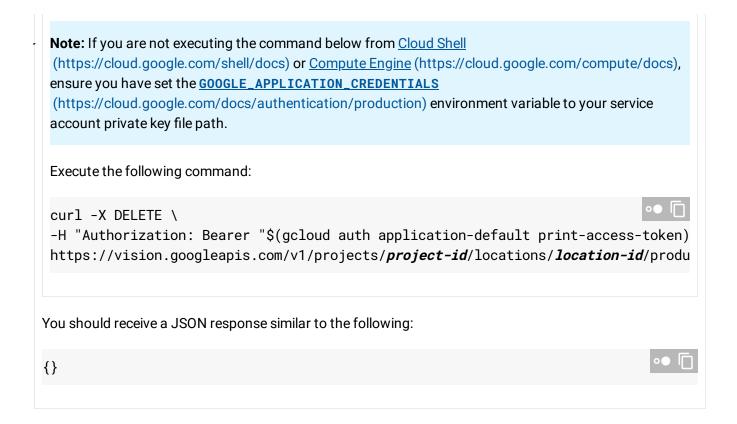

REST & CMD LINE	C#	GO		MORE ▾

Before using any of the request data below, make the following replacements:

- **project-id**: Your GCP project ID.
- **location-id**: A valid location identifier. Valid location identifiers are: `us-west1`, `us-east1`, `europe-west1`, and `asia-east1`.
- **product-id**: The ID for the product that is associated with a reference image. This ID is either randomly set or specified by the user at product creation time.
- **image-id**: The ID of the target image resource.

HTTP method and URL:

```
DELETE https://vision.googleapis.com/v1/projects/project-id/locations/location-id/
```

To send your request, choose one of these options:

CURL	POWERSHELL

Note: If you are not executing the command below from Cloud Shell (https://cloud.google.com/shell/docs) or Compute Engine (https://cloud.google.com/compute/docs),

ensure you have set the **GOOGLE_APPLICATION_CREDENTIALS** (https://cloud.google.com/docs/authentication/production) environment variable to your service account private key file path.

Execute the following command:

```
curl -X DELETE \
-H "Authorization: Bearer "$(gcloud auth application-default print-access-token)
https://vision.googleapis.com/v1/projects/project-id/locations/location-id/produ
```

You should receive a JSON response similar to the following:

```
{}
```

Deleting a product

You can delete a product associated with a specific project.
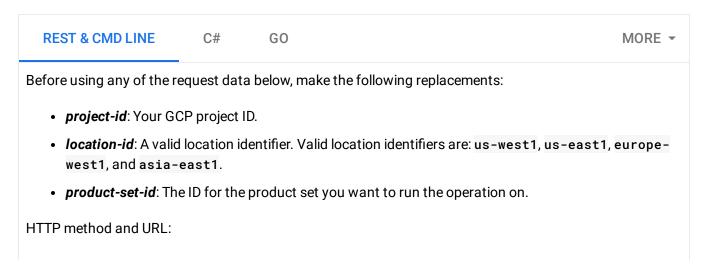
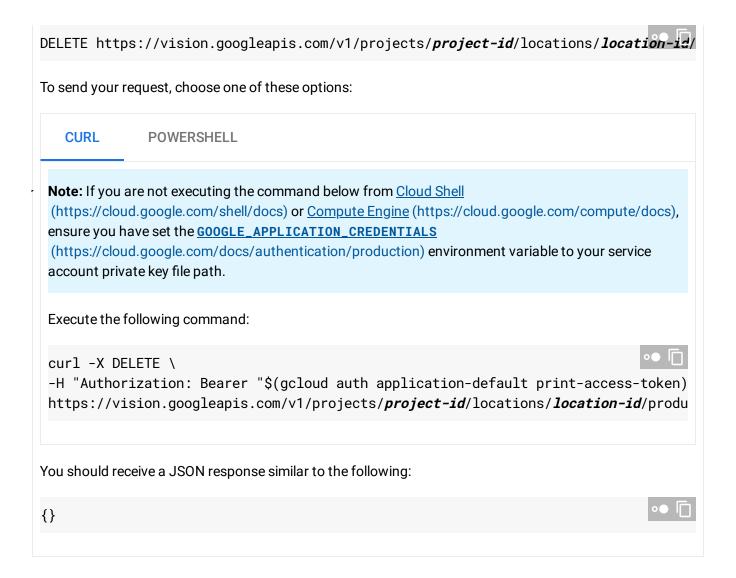Deleting a Product causes its child images to be deleted.

REST & CMD LINE	C#	GO		MORE ▾

Before using any of the request data below, make the following replacements:

- **project-id**: Your GCP project ID.
- **location-id**: A valid location identifier. Valid location identifiers are: `us-west1`, `us-east1`, `europe-west1`, and `asia-east1`.
- **product-id**: The ID for the product that is associated with a reference image. This ID is either randomly set or specified by the user at product creation time.

HTTP method and URL:

```
DELETE https://vision.googleapis.com/v1/projects/project-id/locations/location-id/
```

To send your request, choose one of these options:

CURL	POWERSHELL

> **Note:** If you are not executing the command below from Cloud Shell
> (https://cloud.google.com/shell/docs) or Compute Engine (https://cloud.google.com/compute/docs),
> ensure you have set the **GOOGLE_APPLICATION_CREDENTIALS**
> (https://cloud.google.com/docs/authentication/production) environment variable to your service
> account private key file path.

Execute the following command:

```
curl -X DELETE \
-H "Authorization: Bearer "$(gcloud auth application-default print-access-token)
https://vision.googleapis.com/v1/projects/project-id/locations/location-id/produ
```

You should receive a JSON response similar to the following:

```
{}
```

Deleting a product set

You can also delete a product set.

Deleting a product set immediately removes the product set from results. However, deleting a product set **will not** remove individual products in the set, as a product may belong to several different sets. You do not need to wait for the next index for the change to take effect.

The actual image files in Google Cloud Storage are NOT deleted by this operation. `ReferenceImage` resources created by the API are not removed.

REST & CMD LINE	C#	GO		MORE ▾

Before using any of the request data below, make the following replacements:

- **project-id**: Your GCP project ID.
- **location-id**: A valid location identifier. Valid location identifiers are: `us-west1`, `us-east1`, `europe-west1`, and `asia-east1`.
- **product-set-id**: The ID for the product set you want to run the operation on.

HTTP method and URL:

```
DELETE https://vision.googleapis.com/v1/projects/project-id/locations/location-id/
```

To send your request, choose one of these options:

CURL   **POWERSHELL**

> **Note:** If you are not executing the command below from Cloud Shell
> (https://cloud.google.com/shell/docs) or Compute Engine (https://cloud.google.com/compute/docs),
> ensure you have set the **GOOGLE_APPLICATION_CREDENTIALS**
> (https://cloud.google.com/docs/authentication/production) environment variable to your service
> account private key file path.

Execute the following command:

```
curl -X DELETE \
-H "Authorization: Bearer "$(gcloud auth application-default print-access-token)
https://vision.googleapis.com/v1/projects/project-id/locations/location-id/produ
```

You should receive a JSON response similar to the following:

```
{}
```

Batch resource deletion

You can now batch delete products. Product batch deletion is available for the following product types:

- All products in a specific product set

- All products that belong to *no* product set

To avoid concurrent operation errors, wait to delete the product set after this batch product delete operation has completed. If reusing the emptied product set, also wait until batch deletion is finished before importing new products.

These considerations are similar for individual products; you should avoid acting on any individual products involved in batch deletion. For example, you shouldn't add any of these

products to another product set, as they will eventually be deleted.

Batch deletion (`purge`) cannot be undone. You should keep a CSV for batch import with the products to be deleted if you need to re-import the data.

Delete products in a product set

You can delete all products in a given product set by specifying the product set ID in the request.

All products in the product set will be deleted **regardless of if they belong to *other* product sets**.

REST & CMD LINE	C#	GO		MORE ▾

Before using any of the request data below, make the following replacements:

- ***project-id***: Your GCP project ID.
- ***location-id***: A valid location identifier. Valid location identifiers are: `us-west1`, `us-east1`, `europe-west1`, and `asia-east1`.
- ***product-set-id***: The ID for the product set you want to run the operation on.

HTTP method and URL:

```
POST https://vision.googleapis.com/v1/projects/project-id/locations/location-id/pr
```

Request JSON body:

```
{
  "force": "true",
  "productSetPurgeConfig": {
    "productSetId": "product-set-id"
  }
}
```

To send your request, choose one of these options:

CURL	POWERSHELL

> **Note:** If you are not executing the command below from Cloud Shell
> (https://cloud.google.com/shell/docs) or Compute Engine (https://cloud.google.com/compute/docs),
> ensure you have set the **GOOGLE_APPLICATION_CREDENTIALS**
> (https://cloud.google.com/docs/authentication/production) environment variable to your service
> account private key file path.

Save the request body in a file called `request.json`, and execute the following command:

```
curl -X POST \
-H "Authorization: Bearer "$(gcloud auth application-default print-access-token)
-H "Content-Type: application/json; charset=utf-8" \
-d @request.json \
https://vision.googleapis.com/v1/projects/project-id/locations/location-id/produ
```

This request starts a long-running operation. The JSON response contains information about this long-running operation:

```
{
"name": "projects/project-id/locations/location-id/operations/bc4e1d412863e626"
}
```

In this case, the *operation-id* is `bc4e1d412863e626`.

You can track the progress of this operation using the *operation-id*. For an example of getting an operation's status, see Getting the status of an operation (#get-operation).

Delete orphan products

You can delete all products *not* in a product set by specifying this option in the request.

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Before using any of the request data below, make the following replacements:

- *project-id*: Your GCP project ID.

- *location-id*: A valid location identifier. Valid location identifiers are: `us-west1`, `us-east1`, `europe-west1`, and `asia-east1`.

HTTP method and URL:

```
POST https://vision.googleapis.com/v1/projects/project-id/locations/location-id/pr
```

Request JSON body:

```
{
  "force": "true",
  "deleteOrphanProducts": "true"
}
```

To send your request, choose one of these options:

CURL   **POWERSHELL**

> **Note:** If you are not executing the command below from Cloud Shell
> (https://cloud.google.com/shell/docs) or Compute Engine (https://cloud.google.com/compute/docs),
> ensure you have set the **GOOGLE_APPLICATION_CREDENTIALS**
> (https://cloud.google.com/docs/authentication/production) environment variable to your service
> account private key file path.

Save the request body in a file called `request.json`, and execute the following command:

```
curl -X POST \
-H "Authorization: Bearer "$(gcloud auth application-default print-access-token)
-H "Content-Type: application/json; charset=utf-8" \
-d @request.json \
https://vision.googleapis.com/v1/projects/project-id/locations/location-id/produ
```

This request starts a long-running operation. The JSON response contains information about this long-running operation:

```
{
"name": "projects/project-id/locations/location-id/operations/bc4e1d412863e626"
}
```

In this case, the **operation-id** is `bc4e1d412863e626`.

You can track the progress of this operation using the **operation-id**. For an example of getting an operation's status, see Getting the status of an operation (#get-operation).

Getting the status of an operation

You can use the *operation-id* of a long-running operation (such as purge product set, or purge orphan products) to get its status.

REST & CMD LINE

Before using any of the request data below, make the following replacements:

- *location-id*: A valid location identifier. Valid location identifiers are: `us-west1`, `us-east1`, `europe-west1`, and `asia-east1`.

- *operation-id*: The ID of your operation. The ID is the last element of the name of your operation. For example:

    - operation name: `projects/`***project-id***`/locations/`***location-id***`/operations/bc4e1d412863e626`

    - operation id: `bc4e1d412863e626`

HTTP method and URL:

```
GET https://vision.googleapis.com/v1/locations/location-id/operations/operation-id
```

To send your request, choose one of these options:

CURL　　　　**POWERSHELL**

> **Note:** If you are not executing the command below from Cloud Shell
> (https://cloud.google.com/shell/docs) or Compute Engine (https://cloud.google.com/compute/docs),
> ensure you have set the **GOOGLE_APPLICATION_CREDENTIALS**
> (https://cloud.google.com/docs/authentication/production) environment variable to your service
> account private key file path.

Execute the following command:

```
curl -X GET \
-H "Authorization: Bearer "$(gcloud auth application-default print-access-token)
https://vision.googleapis.com/v1/locations/location-id/operations/operation-id
```

You should see output similar to the following for a completed **product set purge operation**:

```
{
  "name": "locations/location-id/operations/operation-id",
  "metadata": {
    "@type": "type.googleapis.com/google.cloud.vision.v1.BatchOperationMetadata",
    "state": "SUCCESSFUL",
    "submitTime": "2019-09-04T15:58:39.131591882Z",
    "endTime": "2019-09-04T15:58:43.099020580Z"
  },
  "done": true,
  "response": {
    "@type": "type.googleapis.com/google.cloud.vision.v1.PurgeProductsRequest",
    "parent": "projects/project-id/locations/location-id",
    "productSetPurgeConfig": {
      "productSetId": "project-set-id"
    },
    "force": true
  }
}
```

You should see output similar to the following for a completed **purge orphaned products operation**:

```
{
  "name": "locations/location-id/operations/operation-id",
  "metadata": {
    "@type": "type.googleapis.com/google.cloud.vision.v1.BatchOperationMetadata",
    "state": "SUCCESSFUL",
    "submitTime": "2019-09-04T16:08:38.278197397Z",
    "endTime": "2019-09-04T16:08:45.075778639Z"
  },
  "done": true,
  "response": {
    "@type": "type.googleapis.com/google.cloud.vision.v1.PurgeProductsRequest",
    "parent": "projects/project-id/locations/location-id",
    "deleteOrphanProducts": true,
    "force": true
  }
}
```