

[Cloud Vision API Product Search](#)

# Method:

## projects.locations.products.referenceImages...

Creates and returns a new ReferenceImage resource.

The `boundingPoly` field is optional. If `boundingPoly` is not specified, the system will try to detect regions of interest in the image that are compatible with the `productCategory` on the parent product. If it is specified, detection is ALWAYS skipped. The system converts polygons into non-rotated rectangles.

Note that the pipeline will resize the image if the image resolution is too large to process (above 50MP).

Possible errors:

- Returns `INVALID_ARGUMENT` if the `imageUri` is missing or longer than 4096 characters.
- Returns `INVALID_ARGUMENT` if the product does not exist.
- Returns `INVALID_ARGUMENT` if `boundingPoly` is not provided, and nothing compatible with the parent product's `productCategory` is detected.
- Returns `INVALID_ARGUMENT` if `boundingPoly` contains more than 10 polygons.

### HTTP request

#### POST

`https://vision.googleapis.com/v1p4beta1/{parent=projects/*/locations/*/products*/}/referenceImages`

The URL uses [gRPC Transcoding](#)

(<https://github.com/googleapis/googleapis/blob/master/google/api/http.proto>) syntax.

### Path parameters

#### Parameters

## Parameters

**parent**

**string**

Resource name of the product in which to create the reference image.

Format is

`projects/PROJECT_ID/locations/LOC_ID/products/PRODUCT_ID`.

## Query parameters

### Parameters

**referenceImageId**

**string**

A user-supplied resource id for the ReferenceImage to be added. If set, the server will attempt to use this value as the resource id. If it is already in use, an error is returned with code `ALREADY_EXISTS`. Must be at most 128 characters long. It cannot contain the character `/`.

## Request body

The request body contains an instance of [ReferenceImage](#)

(<https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/projects.locations.products.referenceImages#ReferenceImage>)

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## Response body

If successful, the response body contains a newly created instance of [ReferenceImage](#)

(<https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/projects.locations.products.referenceImages#ReferenceImage>)

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## Authorization Scopes

Requires one of the following OAuth scopes:

- <https://www.googleapis.com/auth/cloud-platform>
- <https://www.googleapis.com/auth/cloud-vision>

For more information, see the [Authentication Overview](#)

(<https://cloud.google.com/docs/authentication/>).

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