

[Cloud Vision API Product Search](#)

# Method: projects.images.asyncBatchAnnotate

Run asynchronous image detection and annotation for a list of images.

Progress and results can be retrieved through the `google.longrunning.Operations` interface. `Operation.metadata` contains `OperationMetadata` (metadata). `Operation.response` contains `AsyncBatchAnnotateImagesResponse` (results).

This service will write image annotation outputs to json files in customer Google Cloud Storage bucket, each json file containing `BatchAnnotateImagesResponse` proto.

## HTTP request

POST [https://vision.googleapis.com/v1/{parent=projects/\\*/}/images:asyncBatchAnnotate](https://vision.googleapis.com/v1/{parent=projects/*/}/images:asyncBatchAnnotate)

The URL uses [gRPC Transcoding](#)

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

## Path parameters

| Parameters    |  |
|---------------|--|
| <b>parent</b> | <b>string</b><br><br>Optional. Target project and location to make a call.<br><br>Format: <code>projects/{project-id}/locations/{location-id}</code> .<br><br>If no parent is specified, a region will be chosen automatically.<br><br>Supported location-ids: <b>us</b> : USA country only, <b>asia</b> : East asia areas, like Japan, Taiwan, <b>eu</b> : The European Union.<br><br>Example: <code>projects/project-A/locations/eu</code> . |

## Request body

The request body contains data with the following structure:

## JSON representation

```
{
  "requests": [
    {
      object (AnnotateImageRequest (https://cloud.google.com/vision/product-search/docs/reference/rest/v1/AnnotateImageRequest))
    }
  ],
  "outputConfig": {
    object (OutputConfig (https://cloud.google.com/vision/product-search/docs/reference/rest/v1/OutputConfig))
  }
}
```

## Fields

|                           |   |
|---------------------------|---|
| <code>requests[]</code>   | <p><b>object</b> (<a href="https://cloud.google.com/vision/product-search/docs/reference/rest/v1/AnnotateImageRequest">AnnotateImageRequest</a> (https://cloud.google.com/vision/product-search/docs/reference/rest/v1/AnnotateImageRequest))</p> <p>Required. Individual image annotation requests for this batch.</p> |
| <code>outputConfig</code> | <p><b>object</b> (<a href="https://cloud.google.com/vision/product-search/docs/reference/rest/v1/OutputConfig">OutputConfig</a> (https://cloud.google.com/vision/product-search/docs/reference/rest/v1/OutputConfig))</p> <p>Required. The desired output location and metadata (e.g. format).</p>                      |

## Response body

If successful, the response body contains an instance of [Operation](https://cloud.google.com/vision/product-search/docs/reference/rest/v1/locations.operations#Operation)

(<https://cloud.google.com/vision/product-search/docs/reference/rest/v1/locations.operations#Operation>)

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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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*Last updated September 17, 2019.*