

[Cloud Vision API Product Search](#)

# Method: 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/v1p4beta1/images:asyncBatchAnnotate>

The URL uses [gRPC Transcoding](#)

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

## 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))
    }
  ],
  "outputConfig": {
    object (OutputConfig (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/images/outputConfig))
  }
}
```

### Fields

## Fields

<code>requests[]</code>	<b>object</b> ( <a href="https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/AnnotateImageRequest">AnnotateImageRequest</a> ) ( <a href="https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/AnnotateImageRequest">https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/AnnotateImageRequest</a> ) )  Individual image annotation requests for this batch.
<code>outputConfig</code>	<b>object</b> ( <a href="https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/OutputConfig">OutputConfig</a> ) ( <a href="https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/OutputConfig">https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/OutputConfig</a> ) )  Required. The desired output location and metadata (e.g. format).

## Response body

If successful, the response body contains an instance of [Operation](https://cloud.google.com/vision/product-search/docs/reference/rest/Shared.Types/Operation) (<https://cloud.google.com/vision/product-search/docs/reference/rest/Shared.Types/Operation>).

## 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/)

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

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