

[Cloud Vision API Product Search](#)

Method: files.annotate

Service that performs image detection and annotation for a batch of files. Now only "application/pdf", "image/tiff" and "image/gif" are supported.

This service will extract at most 5 (customers can specify which 5 in `AnnotateFileRequest.pages`) frames (gif) or pages (pdf or tiff) from each file provided and perform detection and annotation for each image extracted.

HTTP request

POST <https://vision.googleapis.com/v1p4beta1/files:annotate>

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 (AnnotateFileRequest (https://cloud.google.com/vision/product-search/docs/reference
    )
  ]
}
```

Fields

Fields

<code>requests[]</code>	<p>object (AnnotateFileRequest) (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/files/annotate#AnnotateFileRequest))</p> <p>The list of file annotation requests. Right now we support only one <code>AnnotateFileRequest</code> in <code>BatchAnnotateFilesRequest</code>.</p>
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Response body

If successful, the response body contains data with the following structure:

A list of file annotation responses.

JSON representation

```
{
  "responses": [
    {
      object (AnnotateFileResponse)
    }
  ]
}
```

Fields

<code>responses[]</code>	<p>object (AnnotateFileResponse) (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/files/annotate#AnnotateFileResponse))</p> <p>The list of file annotation responses, each response corresponding to each <code>AnnotateFileRequest</code> in <code>BatchAnnotateFilesRequest</code>.</p>
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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/) (<https://cloud.google.com/docs/authentication/>).

AnnotateFileRequest

A request to annotate one single file, e.g. a PDF, TIFF or GIF file.

JSON representation

```
{
  "inputConfig": {
    object (InputConfig (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/InputConfig))
  },
  "features": [
    {
      object (Feature (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/Feature))
    }
  ],
  "imageContext": {
    object (ImageContext (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/ImageContext))
  },
  "pages": [
    number
  ]
}
```

Fields

inputConfig	object (InputConfig (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/InputConfig)) Required. Information about the input file.
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Fields	
features[]	<p>object (<u>Feature</u> (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/Feature))</p> <p>Required. Requested features.</p>
imageContext	<p>object (<u>ImageContext</u> (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/ImageContext))</p> <p>Additional context that may accompany the image(s) in the file.</p>
pages[]	<p>number</p> <p>Pages of the file to perform image annotation.</p> <p>Pages starts from 1, we assume the first page of the file is page 1. At most 5 pages are supported per request. Pages can be negative.</p> <p>Page 1 means the first page. Page 2 means the second page. Page -1 means the last page. Page -2 means the second to the last page.</p> <p>If the file is GIF instead of PDF or TIFF, page refers to GIF frames.</p> <p>If this field is empty, by default the service performs image annotation for the first 5 pages of the file.</p>

AnnotateFileResponse

Response to a single file annotation request. A file may contain one or more images, which individually have their own responses.

JSON representation

JSON representation

```
{
  "inputConfig": {
    object (InputConfig (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/InputConfig))
  },
  "responses": [
    {
      object (AnnotateImageResponse (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/AnnotateImageResponse))
    }
  ],
  "totalPages": number
}
```

Fields

inputConfig	object (InputConfig (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/InputConfig)) Information about the file for which this response is generated.
responses[]	object (AnnotateImageResponse (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/AnnotateImageResponse)) Individual responses to images found within the file.
totalPages	number This field gives the total number of pages in the file.

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