

[AI & Machine Learning Products](https://cloud.google.com/products/machine-learning/) (<https://cloud.google.com/products/machine-learning/>)

[Cloud Vision API](https://cloud.google.com/vision/) (<https://cloud.google.com/vision/>) [Documentation](#)

How-to Guides

Before you begin

Set up your Google Cloud Platform project, authentication, and enable AutoML Vision.

(<https://cloud.google.com/vision/automl/docs/before-you-begin>)

Preparing your training data

Learn best practices in organizing and annotating the images you will use to train your model, as well as format a training CSV file.

(<https://cloud.google.com/vision/automl/docs/prepare>)

Creating datasets and importing images

Create the dataset and import the training data used to train your model.

(<https://cloud.google.com/vision/automl/docs/create-datasets>)

Training Cloud-hosted models

Train your custom model hosted on the Cloud and get the status of the training operation.

(<https://cloud.google.com/vision/automl/docs/train>)

Training Edge (exportable) models

Train your custom exportable Edge model and get the status of the training operation.

(<https://cloud.google.com/vision/automl/docs/train-edge>)

Evaluating models

Review the performance of your model.

(<https://cloud.google.com/vision/automl/docs/evaluate>)

Deploying models

Deploy your model for use after training completes.

(<https://cloud.google.com/vision/automl/docs/deploy>)

Making individual predictions

Use your custom model to annotate an individual prediction image with labels and bounding boxes online.

(<https://cloud.google.com/vision/automl/docs/predict>)

Making batch predictions

Use your custom model to annotate a batch of prediction images with labels and bounding boxes online.

(<https://cloud.google.com/vision/automl/docs/predict-batch>)

Exporting Edge models

Export your different trained Edge model formats to Google Cloud Storage and for use on edge devices.

(<https://cloud.google.com/vision/automl/docs/export-edge>)

Undeploying models

Undeploy your model after you are done using them to avoid further hosting charges.

(<https://cloud.google.com/vision/automl/docs/undeploy>)

Managing datasets

Manage datasets associated with your project.

(<https://cloud.google.com/vision/automl/docs/datasets>)

Managing models

Manage your custom models.

(<https://cloud.google.com/vision/automl/docs/models>)

Base64 encode

Use native "base64" utilities to encode a binary image into ASCII text data to send in an API request.

(<https://cloud.google.com/vision/automl/docs/base64>)

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