Cloud AutoML Vision

Method: projects.locations.models.deploy

Deploys a model. If a model is already deployed, deploying it with the same parameters has no effect. Deploying with different parameters (as e.g. changing node_number (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.models/google.cloud.automl.v1beta1.ImageObjectDetectionModelDeploymentMetadata.node_number)) will reset the deployment state without pausing the model's availability.

Only applicable for Image Object Detection and Image Classification; all other domains manage deployment automatically.

Returns an empty response in the `response` (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.operations#Operation.FIELDS.response) field when it completes.

HTTP request

```
POST https://automl.googleapis.com/v1beta1/{name}:deploy
```

Path parameters

Parameters	
name	**string** Resource name of the model to deploy. Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **name**: • **automl.models.deploy**

Request body

The request body contains data with the following structure:

JSON representation

```
{

  // Union field model_deployment_metadata can be only one of the following:
  "imageObjectDetectionModelDeploymentMetadata": {
    object (ImageObjectDetectionModelDeploymentMetadata (https://cloud.google.com/vision/aut
  },
  "imageClassificationModelDeploymentMetadata": {
    object (ImageClassificationModelDeploymentMetadata (https://cloud.google.com/vision/autc
  },
  // End of list of possible types for union field model_deployment_metadata.
}
```

Fields

Union field **model_deployment_metadata**. The per-domain specific deployment parameters. **model_deployment_metadata** can be only one of the following:

imageObjectDetectionModelDeploymentMetadata	**object (ImageObjectDetectionModelDeploymentMetadata** (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.models/deploy#ImageObjectDetectionModelDeploymentMetadata)) Model deployment metadata specific to Image Object Detection.
imageClassificationModelDeploymentMetadata	**object (ImageClassificationModelDeploymentMetadata** (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.models/deploy#ImageClassificationModelDeploymentMetadata)) Model deployment metadata specific to Image Classification.

Response body

If successful, the response body contains an instance of `Operation` (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.operations#Operation)

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Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

ImageObjectDetectionModelDeploymentMetadata

Model deployment metadata specific to Image Object Detection.

JSON representation

```
{
  "nodeCount": string
}
```

Fields

nodeCount	`string (int64` (https://developers.google.com/discovery/v1/type-forma Input only. The number of nodes to deploy the model on. A node is an abstr (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/p . Must be between 1 and 100, inclusive on both ends.

ImageClassificationModelDeploymentMetadata

Model deployment metadata specific to Image Classification.

JSON representation

```
{
  "nodeCount": string
}
```

Fields	
nodeCount	`string (int64` (https://developers.google.com/discovery/v1/type-format) `format)` Input only. The number of nodes to deploy the model on. A node is an abstraction of a machine resource, which can handle online prediction QPS as given in the model's nodeQps (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.models#ImageClassificationModelMetadata.FIELDS.node_qps) . Must be between 1 and 100, inclusive on both ends.