

GcsSource
GenerateContentResponse

```
JSON representation
   object (EncryptionSpec)
  "modelSourceInfo": {
   object (ModelSourceInfo)
 "originalModelInfo": {
   object (OriginalModelInfo)
  "metadataArtifact": string,
 "baseModelSource": {
   object (BaseModelSource)
  "satisfiesPzs": boolean,
 "satisfiesPzi": boolean
Fields
name
                  string
                  The resource name of the Model.
versionId
                  Output only. Immutable. The version ID of the model. A new
                  version is committed when a new model version is uploaded
                  or trained under an existing model id. It is an auto-
                  incrementing decimal number in string representation.
versionAliase
                  string
s[]
                  user provided version aliases so that a model version can be
                  referenced via alias (i.e.
                  projects/{project}/locations/{location}/mode
                  ls/{modelId}@{version_alias} instead of auto-
                  generated version id (i.e.
                  projects/{project}/locations/{location}/mode
                   ls/{modelId}@{versionId}). The format is [a-z][a-zA-
                  Z0-9-]{0,126}[a-z0-9] to distinguish from versionId. A default
                  version alias will be created for the first version of the
                  model, and there must be exactly one default version alias
                  for a model.
versionCreate
                  string (Timestamp format)
Time
                  Output only. timestamp when this version was created.
                  A timestamp in RFC3339 UTC "Zulu" format, with
                  nanosecond resolution and up to nine fractional digits.
                  Examples: "2014-10-02T15:01:23Z" and "2014-10-
                  02T15:01:23.045123456Z"
versionUpdate string (Timestamp format)
Time
                  Output only, timestamp when this version was most recently
                  updated.
                  A timestamp in RFC3339 UTC "Zulu" format, with
                  nanosecond resolution and up to nine fractional digits.
                  Examples: "2014-10-02T15:01:23Z" and "2014-10-
                  02T15:01:23.045123456Z"
displayName
                  string
                  Required. The display name of the Model. The name can be
                  up to 128 characters long and can consist of any UTF-8
                  characters
description
                  The description of the Model.
versionDescri string
ption
                  The description of this version.
predictSchema object (PredictSchemata)
                  The schemata that describe formats of the Model's
                  predictions and explanations as given and returned via
                   PredictionService.Predict and
                  PredictionService.Explain.
metadataSchem
aUri
                  Immutable. Points to a YAML file stored on Google Cloud
                  Storage describing additional information about the Model,
                  that is specific to it. Unset if the Model does not have any
                  additional information. The schema is defined as an
                  OpenAPI 3.0.2 Schema Object. AutoML Models always have
                  this field populated by Vertex AI, if no additional metadata is
                  needed, this field is set to an empty string. Note: The URI
```

given on output will be immutable and probably different, including the URI scheme, than the one given on input. The

	output URI will point to a location where the user only has a
	read access.
metadata	value (Value format)
	Immutable. An additional information about the Model; the schema of the metadata can be found in metadataSchema Unset if the Model does not have any additional information.
supportedExpo rtFormats[]	object (ExportFormat)
rtrormats[]	Output only. The formats in which this Model may be exported. If empty, this Model is not available for export.
trainingPipel ine	string
THE	Output only. The resource name of the TrainingPipeline that uploaded this Model, if any.
pipelineJob	string
	Optional. This field is populated if the model is produced by a pipeline job. $ \\$
containerSpec	object (ModelContainerSpec)
	Input only. The specification of the container that is to be used when deploying this Model. The specification is ingested upon ModelService.UploadModel, and all binaries it contains are copied and stored internally by Vertex AI. Not required for AutoML Models.
<mark>artifactUri</mark>	string
	Immutable. The path to the directory containing the Model artifact and any of its supporting files. Not required for AutoML Models.
supportedDepl oymentResourc	enum (DeploymentResourcesType)
esTypes[]	Output only. When this Model is deployed, its prediction resources are described by the prediction_resources field of the Endpoint.deployed_models object. Because not all Models support all resource configuration types, the configuration types this Model supports are listed here. If no configuration types are listed, the Model cannot be deployed to an Endpoint and does not support online predictions (PredictionService.Predict or PredictionService.Explain). Such a Model can serve predictions by using a BatchPredictionJob, if it has at least one entry each in supportedInputStorageFormats and supportedOutputStorageFormats.
supportedInpu	string
tstorageForma	Output only. The formats this Model supports in BatchPredictionJob.input_config. If PredictSchemata.instance_schema_uri exists, the instances should be given as per that schema. The possible formats are: • json1The JSON Lines format, where each instance is a single line. uses GcsSource.
	csv The CSV format, where each instance is a single comma-separated line. The first line in the file is the header, containing comma-separated field names. uses GcsSource.
	• tf-record The TFRecord format, where each instance is a single record in tfrecord syntax. uses GcsSource.
	tf-record-gzip Similar to tf-record, but the file is gzipped. uses GcsSource.
	 bigquery Each instance is a single row in BigQuery. uses BigQuerySource.
	 file-list Each line of the file is the location of an instance to process, uses gcsSource field of the InputConfig object.
	If this Model doesn't support any of these formats it means it cannot be used with a BatchPredictionJob. However, if it has supportedDeploymentResourcesTypes, it could serve online predictions by using PredictionService.Predict or PredictionService.Explain.
supportedOutp	string
utStorageForm ats[]	Output only. The formats this Model supports in BatchPredictionJob.output_config. If both

Fields predictions are returned together with their instances. In other words, the prediction has the original instance data first, followed by the actual prediction content (as per the The possible formats are: . json1 The JSON Lines format, where each prediction is a single line. uses GcsDestination. · csv The CSV format, where each prediction is a single comma-separated line. The first line in the file is the header, containing comma-separated field names. uses GcsDestination. bigguery Each prediction is a single row in a BigQuery table, uses BigQueryDestination. If this Model doesn't support any of these formats it means it cannot be used with a BatchPredictionJob. However, if it has supportedDeploymentResourcesTypes, it could serve online predictions by using PredictionService.Predict or PredictionService.Explain. createTime string (Timestamp format) Output only, timestamp when this Model was uploaded into Vertex Al. A timestamp in RFC3339 UTC "Zulu" format, with nanosecond resolution and up to nine fractional digits. Examples: "2014-10-02T15:01:23Z" and "2014-10-02T15:01:23.045123456Z" updateTime string (Timestamp format) Output only. timestamp when this Model was most recently updated. A timestamp in RFC3339 UTC "Zulu" format, with nanosecond resolution and up to nine fractional digits. Examples: "2014-10-02T15:01:23Z" and "2014-10-02T15:01:23.045123456Z" deployedModel object (DeployedModelRef) Output only. The pointers to DeployedModels created from this Model. Note that Model could have been deployed to Endpoints in different Locations. object (ExplanationSpec) explanationSp ec The default explanation specification for this Model. The Model can be used for ${\tt requesting}\ {\tt explanation}$ after being ${\tt deployed}$ if it is populated. The Model can be used for batch explanation if it is populated. All fields of the explanationSpec can be overridden by explanationSpec of DeployModelRequest.deployed_model, or explanationSpec of BatchPredictionJob. If the default explanation specification is not set for this Model, this Model can still be used for requesting ${\tt explanation} \ by \ {\tt setting} \ {\tt explanation} \\ {\tt Spec} \ of$ ${\tt DeployModelRequest.deployed_model} \ and \ for \ batch$ explanation by setting explanationSpec of BatchPredictionJob. etag string Used to perform consistent read-modify-write updates. If not set, a blind "overwrite" update happens labels map (key: string, value: string) The labels with user-defined metadata to organize your Models label keys and values can be no longer than 64 characters (Unicode codepoints), can only contain lowercase letters. numeric characters, underscores and dashes. International characters are allowed. See https://goo.gl/xmQnxf for more information and examples of labels. encryptionSpe object (EncryptionSpec) Customer-managed encryption key spec for a Model. If set, this Model and all sub-resources of this Model will be secured by this key. modelSourceIn object (ModelSourceInfo)

Fields	
fo	Output only. Source of a model. It can either be automl training pipeline, custom training pipeline, BigQuery ML, or saved and tuned from Genie or Model Garden.
originalModel Info	object (OriginalModelInfo) Output only. If this Model is a copy of another Model, this contains info about the original.
metadataArtif act	string Output only. The resource name of the Artifact that was created in MetadataStore when creating the Model. The Artifact resource name pattern is projects/{project}/locations/{location}/metadataStores/{metadataStore}/artifacts/{artifact}.
baseModelSour ce	object (BaseModelSource) Optional. user input field to specify the base model source. Currently it only supports specifing the Model Garden models and Genie models.
satisfiesPzs	boolean Output only. reserved for future use.
satisfiesPzi	boolean Output only, reserved for future use.

ExportFormat

Represents export format supported by the Model. All formats export to Google Cloud Storage.

```
JSON representation
{
    "id": string,
    "exportableContents": [
        enum (ExportableContent)
    ]
}
```

Fields id string Output only. The ID of the export format. The possible format IDs are: • tflite Used for Android mobile devices. • edgetpu-tflite Used for Edge TPU devices. $\bullet \ \ \, \text{tf-saved-model A tensorflow model in SavedModel}$ format. • tf-js A TensorFlow.js model that can be used in the browser and in Node.js using JavaScript. • core-m1 Used for iOS mobile devices. • custom-trained A Model that was uploaded or trained by custom code. exportableCon enum (ExportableContent) tents[] Output only. The content of this Model that may be exported.

ExportableContent

The Model content that can be exported.

Enums	
EXPORTABLE_CO NTENT_UNSPECI FIED	Should not be used.
ARTIFACT	Model artifact and any of its supported files. Will be exported to the location specified by the artifactDestination field of the ExportModelRequest.output_config object.
IMAGE	The container image that is to be used when deploying this Model. Will be exported to the location specified by the imageDestination field of the

DeploymentResourcesType

Identifies a type of Model's prediction resources.

Enums	
DEPLOYMENT_RE SOURCES_TYPE_ UNSPECIFIED	Should not be used.
DEDICATED_RES OURCES	Resources that are dedicated to the <code>DeployedModel</code> , and that need a higher degree of manual configuration.
AUTOMATIC_RES OURCES	Resources that to large degree are decided by Vertex AI, and require only a modest additional configuration.
SHARED_RESOUR CES	Resources that can be shared by multiple DeployedModels. A pre-configured DeploymentResourcePool is required.

DeployedModelRef

Points to a DeployedModel.

```
JSON representation
{
   "endpoint": string,
   "deployedModelId": string
}
```

Fields	
endpoint	string Immutable. A resource name of an Endpoint.
deployedModel Id	string Immutable. An ID of a DeployedModel in the above Endpoint.

ModelSourceInfo

Detail description of the source information of the model.

ModelSourceType

Source of the model. Different from objective field, this ModelSourceType enum indicates the source from which the model was accessed or obtained, whereas the objective indicates the overall aim or function of this model.

Enums	
MODEL_SOURCE_ TYPE_UNSPECIF IED	Should not be used.
AUTOML	The Model is uploaded by automl training pipeline.
CUSTOM	The Model is uploaded by user or custom training pipeline.
BQML	The Model is registered and sync'ed from BigQuery ML.
CUSTOM_TEXT_E MBEDDING	The Model is uploaded by text embedding finetuning pipeline.
MARKETPLACE	The Model is saved or tuned from Marketplace.

OriginalModelInfo

Contains information about the original Model if this Model is a copy.

```
JSON representation
{
    "model": string
}
```

```
Fields

model string

Output only. The resource name of the Model this Model is a copy of, including the revision. Format: projects/(project)/locations/(location)/models/(modelId)@(versionId)
```

BaseModelSource

user input field to specify the base model source. Currently it only supports specifing the Model Garden models and Genie models.

```
JSON representation
{

// Union field source can be only one of the following:
   "modelGardenSource": {
    object (ModelGardenSource)
},
   "genieSource": {
    object (GenieSource)
}

// End of list of possible types for union field source.
}
```

Fields Union field source. source can be only one of the following: modelGardenSo urce Source information of Model Garden models. genieSource Information about the base model of Genie models.

ModelGardenSource

Contains information about the source of the models generated from Model Garden.

```
JSON representation

{
    "publicModelName": string
}

Fields

publicModelNa string
```

Required. The model garden source model resource name.

GenieSource

Contains information about the source of the models generated from Generative Al Studio.

```
JSON representation
{
   "baseModelUri": string
}
```

```
Fields

baseModelUri string

Required. The public base model URI.
```

сору	Copies an already existing Vertex Al Model into the specifie Location.			
delete	Deletes a Model.			
deleteVersion	Deletes a Model version.			
export	Exports a trained, exportable Model to a location specified by the user.			
get	Gets a Model.			
getIamPolicy	Gets the access control policy for a resource.			
list	Lists Models in a Location.			
listVersions	Lists versions of the specified model.			
mergeVersion	Merges a set of aliases for a Model version.			
patch	Updates a Model.			
setIamPolicy	Sets the access control policy on the specified resource.			
testIamPermi	Returns permissions that a caller has on the specified resource.			
updateExplan	Incrementally update the dataset used for an examples model.			
upload	Uploads a Model artifact into Vertex Al.			

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