

API proto representing a trained machine learning model.

### JSON representation

### Fields

<b>name</b>	<b>string</b>
	Output only. Resource name of the model. Format: <b>projects/{project_id}/locations/{locationId}/models/{modelId}</b>

Fields	
<b>displayName</b>	<p><b>string</b></p> <p>Required. The name of the model to show in the interface. The name can be up to 32 characters long and can consist only of ASCII Latin letters A-Z and a-z, underscores (_), and ASCII digits 0-9. The first character must be a letter.</p>
<b>datasetId</b>	<p><b>string</b></p> <p>Required. The resource ID of the dataset used to create the model. The dataset must come from the same ancestor project and location.</p>
<b>createTime</b>	<p><b>string (Timestamp</b> (<a href="https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp">https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp</a>) <b>format</b>)</p> <p>Output only. Timestamp when this model was created.</p> <p>A timestamp in RFC3339 UTC "Zulu" format, accurate to nanoseconds. Example: "2014-10-02T15:01:23.045123456Z".</p>
<b>updateTime</b>	<p><b>string (Timestamp</b> (<a href="https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp">https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp</a>) <b>format</b>)</p> <p>Output only. Timestamp when this model was last updated.</p> <p>A timestamp in RFC3339 UTC "Zulu" format, accurate to nanoseconds. Example: "2014-10-02T15:01:23.045123456Z".</p>
<b>deploymentState</b>	<p><b>enum(DeploymentState</b> (<a href="/translate/automl/docs/reference/rest/v1beta1/projects.locations.models#DeploymentState">/translate/automl/docs/reference/rest/v1beta1/projects.locations.models#DeploymentState</a>) <b>)</b></p> <p>Output only. Deployment state of the model. A model can only serve prediction requests after it gets deployed.</p>

Union field **model\_metadata**. Required. The model metadata that is specific to the problem type. Must match the metadata type of the dataset used to train the model. **model\_metadata** can be only one of the following:

## Fields

<b>imageClassificationModelMetadata</b>	<p><b>object(<u>ImageClassificationModelMetadata</u></b>  (/translate/automl/docs/reference/rest/v1beta1/projects.locations.models#ImageClassificationModelMetadata)  )</p> <p>Metadata for image classification models.</p>
<b>textClassificationModelMetadata</b>	<p><b>object(<u>TextClassificationModelMetadata</u></b>  (/translate/automl/docs/reference/rest/v1beta1/projects.locations.models#TextClassificationModelMetadata)  )</p> <p>Metadata for text classification models.</p>
<b>translationModelMetadata</b>	<p><b>object(<u>TranslationModelMetadata</u></b>  (/translate/automl/docs/reference/rest/v1beta1/projects.locations.models#TranslationModelMetadata)  )</p> <p>Metadata for translation models.</p>

Model metadata for image classification.

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Fields	
<b>baseModelId</b>	<p><b>string</b></p> <p>Optional. The ID of the <b>base</b> model. If it is specified, the new model will be created based on the <b>base</b> model. Otherwise, the new model will be created from scratch. The <b>base</b> model is expected to be in the same <b>project</b> and <b>location</b> as the new model to create.</p>
<b>trainBudget</b>	<p><b>string (int64 (https://developers.google.com/discovery/v1/type-format) format)</b></p> <p>Required. The train budget of creating this model. The actual <b>trainCost</b> will be equal or less than this value.</p>
<b>trainCost</b>	<p><b>string (int64 (https://developers.google.com/discovery/v1/type-format) format)</b></p> <p>Output only. The actual train cost of creating this model. If this model is created from a <b>base</b> model, the train cost used to create the <b>base</b> model are not included.</p>
<b>stopReason</b>	<p><b>string</b></p> <p>Output only. The reason that this create model operation stopped, e.g. BUDGET_REACHED, MODEL_CONVERGED.</p>

Model metadata that is specific to text classification.

Model metadata that is specific to translation.

JSON representation

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<b>baseModel</b>	<b>string</b>	The resource name of the model to use as a baseline to train the custom model. If unset, we use the default base model provided by Google Translate. Format: <b>projects/{project_id}/locations/{locationId}/models/{modelId}</b>
<b>sourceLanguageCode</b>	<b>string</b>	Output only. Inferred from the dataset. The source language (The BCP-47 language code) that is used for training.
<b>targetLanguageCode</b>	<b>string</b>	Output only. The target language (The BCP-47 language code) that is used for training.

Deployment state of the model.

## Enums

<b>DEPLOYMENT_STATE_UNSPECIFIED</b>	Should not be used, an un-set enum has this value by default.
<b>DEPLOYED</b>	Model is deployed.
<b>UNDEPLOYED</b>	Model is not deployed.

	Creates a model.
	Deletes a model.
	Gets a model.
	Gets the access control policy for a resource.
	Lists models.
	Perform a prediction.
	Sets the access control policy on the specified resource.