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[Documentation](https://cloud.google.com/dialogflow/docs/) (<https://cloud.google.com/dialogflow/docs/>) [Guides](#)

Migrating to Dialogflow

Migrating an agent to Dialogflow V2

If you have used a previous release of Dialogflow such as Dialogflow V1 (formerly known as API.AI), and you want to use an existing agent with Dialogflow, then you must migrate that agent to Dialogflow V2 API. You must also update any code that worked with a previous release of Dialogflow to the latest Dialogflow V2 API.

To migrate an agent from a previous version of Dialogflow to Dialogflow V2 API, you will create a new agent and import your previous agent into the new agent by following these steps:

1. Go to [Dialogflow Console](https://dialogflow.cloud.google.com) (<https://dialogflow.cloud.google.com>) and select the settings for your previous agent.
2. Select the **Export and Import** tab.
3. Select **EXPORT AS ZIP** and save your previous agent configuration in a .zip file.
4. Create an agent.
 - Go to [Dialogflow Console](https://dialogflow.cloud.google.com) (<https://dialogflow.cloud.google.com>).
 - Click **Create Agent** in the left menu. (If you already have other agents, click the agent name, scroll to the bottom and click **Create new agent**)
 - Enter your agent's name, default language, default time zone and GCP project, then click the **Create** button. (You can change the [agent edition and pricing plan](https://cloud.google.com/dialogflow/docs/editions) (<https://cloud.google.com/dialogflow/docs/editions>) after creation.)
5. In [Dialogflow Console](https://dialogflow.cloud.google.com) (<https://dialogflow.cloud.google.com>) console, select the settings for your new agent.
6. Select the **Export and Import** tab.
7. Select **IMPORT FROM ZIP** and import the .zip file that you created when you exported your agent from a previous version.

For more information on importing and exporting agents, see [Export and import](https://cloud.google.com/dialogflow/docs/agents-settings#export_and_import) (https://cloud.google.com/dialogflow/docs/agents-settings#export_and_import).

8. If you have written code for the previous version of Dialogflow, you must also migrate your code to the current version. This topic contains information on migrating code the latest version of Dialogflow from the Dialogflow V1 release.

Migrating code from Dialogflow V2beta1 to V2

Users of the V2beta1 API are encouraged to migrate to the V2 API.

Important: The default behavior for enabling machine learning has changed. See details below.

- If you are using REST or RPC, update the endpoint from `dialogflow.googleapis.com/v2beta1/...` to `dialogflow.googleapis.com/v2/...`
- If you are using a [client library](https://cloud.google.com/dialogflow/docs/reference/libraries) (<https://cloud.google.com/dialogflow/docs/reference/libraries>), update it:
 - **Dynamic languages** (Python, Node.js, Ruby): Upgrade the package, and your code will automatically use the latest stable version.
 - **Static languages** (Java, C#, PHP, Go): Install the new package and update all import statements to reference "v2" instead of "v2beta1".
- The field that controls whether machine learning (ML) is enabled for an **Intent** has changed. The `m1Enabled` field has been removed and replaced by the `m1Disabled` field, and ML is enabled by default.

VersionREST

VersionREST

V2beta1 mlEnabled

(<https://cloud.google.com/dialogflow/docs/reference/rest/v2beta1/projects.agent.intents#Intent>)

V2 mlDisabled

(<https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.intents#Intent>)

Migrating code from Dialogflow V1 to V2

The Dialogflow V2 API replaces the Dialogflow V1 REST-like API. After migrating your agent to Dialogflow, you will also need to update your code that calls the Dialogflow V1 REST-like API. The following tables show which APIs replace the Dialogflow V1 APIs and which Dialogflow V1 APIs are no longer supported.

/query

Dialogflow V1

Dialogflow V2 API

/query [detectIntent](https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.se) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.se

Request

Dialogflow V1

Dialogflow V2 API

Request [Request Body](#)

JSON (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.sessions/detectIn
body)

Fields

Dialogflow V1

Dialogflow V2 API

event (e)	queryInput.event
event.name	queryInput.event.name
event.data	queryInput.event.parameters
v	Not applicable.
sessionId	session (Path parameter)
lang	queryInput.text.languageCode (for text queries), queryInput.audioConfig. languageCode (for audio queries), queryInput.event.languageCode
contexts	queryParams.contexts
contexts.name	queryParams.contexts.name
contexts. parameters	queryParams.contexts.parameters
contexts. lifespan	queryParams.contexts.lifespanCount
resetContexts	queryParams.resetContexts

Dialogflow V1	Dialogflow V2 API
entities	queryParams.sessionEntityTypes
timezone	queryParams.timeZone
location	queryParams.geoLocation
location. latitude	queryParams.geoLocation.latitude
location. longitude	queryParams.geoLocation.longitude
originalRequestqueryParams.payload	

Response

Dialogflow V1	Dialogflow V2 API
Response	<u>Response Body</u>
JSON	(https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.sessions/detectInbody)

Fields

Dialogflow V1	Dialogflow V2 API
id	responseId
timestamp	Not applicable.
lang	languageCode
result	queryResult
result.source	queryResult.webhookSource
result.resolvedQuery	queryResult.queryText
result.action	queryResult.action

Dialogflow V1	Dialogflow V2 API
<code>result.actionIncomplete</code>	<code>queryResult.allRequiredParamsPresent</code>
<code>result.parameters</code>	<code>queryResult.parameters</code>
<code>result.contexts</code>	<code>queryResult.outputContexts</code>
<code>result.contexts.name</code>	<code>queryResult.outputContexts.name</code>
<code>result.contexts.parameters</code>	<code>queryResult.outputContexts.parameters</code>
<code>result.contexts.lifespan</code>	<code>queryResult.outputContexts.lifespanCount</code>
<code>result.fulfillment</code>	Not applicable.
<code>result.fulfillment.speech</code>	<code>queryResult.fulfillmentText</code>
<code>result.fulfillment.messages</code>	<code>queryResult.fulfillmentMessages</code>
<code>result.score</code>	<code>queryResult.intentDetectionConfidence</code>
<code>result.metadata</code>	<code>queryResult.intent</code>
<code>result.metadata.intentId</code>	<code>queryResult.intent.name</code>
<code>result.metadata.webhookUsed</code>	<code>queryResult.intent.webhookState</code>
<code>result.metadata.webhookForSlotFillingUsed</code>	<code>queryResult.intent.webhookState</code>
<code>result.metadata.webhookResponseTime</code>	<code>queryResult.diagnosticInfo</code>
<code>result.metadata.intentName</code>	<code>queryResult.intent.displayName</code>
<code>status</code>	Status (https://cloud.google.com/dialogflow/docs/reference/rest/v2/project/operations/dialogflow.googleapis.com.projects.locations.agent.operations.execute), <code>queryResult.webhookState</code>
<code>sessionId</code>	Not applicable.

/entities

Dialogflow V1 Dialogflow V2 API

`/entities` [entityTypes](https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.entities) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.ent

Entity Object

Dialogflow V1 Dialogflow V2 API

Entity [EntityType](https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.entities) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.entit

Fields

Dialogflow V1	Dialogflow V2 API
<code>id</code>	<code>name</code>
<code>name</code>	<code>displayName</code>
<code>entries</code>	<code>entities</code>
<code>entries.value</code>	<code>entities.value</code>
<code>entries.synonyms</code>	<code>entities.synonyms</code>
<code>isEnum</code>	<code>kind</code>
<code>automatedExpansion</code>	<code>autoExpansionMode</code>

/userEntities

Dialogflow V1 Dialogflow V2 API

`/userEntities` [sessions.entityTypes](https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.sessions.entityTypes) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/pr

User Entity Object

Dialogflow V1 **Dialogflow V2 API**

User Entity [SessionEntityType](https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.ag) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.ag

Fields

Dialogflow V1	Dialogflow V2 API
sessionId	Session Id (Path parameter)
name	name
extend	entityOverrideMode
entries	entities

/intents

Dialogflow V1 **Dialogflow V2 API**

/intents [intents](https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.intents) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.intents)

Intent Object

Dialogflow V1 **Dialogflow V2 API**

Intent [Intent](https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.intents#In) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.intents#In

Fields

Dialogflow V1	Dialogflow V2 API
id	name
name	displayName

Dialogflow V1	Dialogflow V2 API
<code>auto</code>	<code>mLDisabled</code>
<code>contexts</code>	<code>inputContextNames</code>
<code>templates</code>	Not applicable.
<code>userSays</code>	<code>trainingPhrases</code>
<code>userSays.id</code>	<code>trainingPhrases.name</code>
<code>userSays.data</code>	<code>trainingPhrases.parts</code>
<code>userSays.data.text</code>	<code>trainingPhrases.parts.text</code>
<code>userSays.data.meta</code>	<code>trainingPhrases.parts.entityType</code>
<code>userSays.data.alias</code>	<code>trainingPhrases.parts.alias</code>
<code>userSays.data.userDefined</code>	<code>trainingPhrases.parts.userDefined</code>
<code>userSays.isTemplate</code>	<code>trainingPhrases.type</code>
<code>userSays.count</code>	<code>trainingPhrases.timesAddedCount</code>
<code>responses</code>	Not applicable.
<code>responses.action</code>	<code>action</code>
<code>responses.resetContexts</code>	<code>resetContexts</code>
<code>responses.affectedContexts</code>	<code>outputContexts</code>
<code>responses.affectedContexts.name</code>	<code>outputContexts.name</code>
<code>responses.affectedContexts.lifespan</code>	<code>outputContexts.lifespanCount</code>
<code>responses.parameters</code>	<code>parameters</code>
<code>responses.parameters.name</code>	<code>parameters.displayName</code>
<code>responses.parameters.value</code>	<code>parameters.value</code>
<code>responses.parameters.defaultValue</code>	<code>parameters.defaultValue</code>
<code>responses.parameters.required</code>	<code>parameters.mandatory</code>

Dialogflow V1	Dialogflow V2 API
<code>responses.parameters.dataType</code>	<code>parameters.entityTypeDisplayName</code>
<code>responses.parameters.prompts</code>	<code>parameters.prompts</code>
<code>responses.parameters.isList</code>	<code>parameters.isList</code>
<code>responses.messages</code>	<code>messages</code>
<code>responses.defaultResponsePlatforms</code>	<code>defaultResponsePlatforms</code>
<code>priority</code>	<code>priority</code>
<code>webhookUsed</code>	<code>webhookState</code>
<code>webhookForSlotFilling</code>	<code>webhookState</code>
<code>fallbackIntent</code>	<code>isFallback</code>
<code>cortanaCommand</code>	Not applicable.
<code>events</code>	<code>events</code>
<code>events.name</code>	Not applicable.

Message objects

Text message object

Dialogflow V1	Dialogflow V2 API
Text	Text (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.intents#text)

Fields

Dialogflow V1	Dialogflow V2 API
<code>type</code>	Not applicable
<code>speech</code>	<code>text</code>

Image message object

Dialogflow
V1

Dialogflow V2 API

Image [Image](https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.intents#image) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.intents#image)

Fields

Dialogflow V1

Dialogflow V2 API

type Not applicable.

imageUrl imageUrl

Card message object

Dialogflow
V1

Dialogflow V2 API

Card [Card](https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.intents#card) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.intents#card)

Fields

Dialogflow V1

Dialogflow V2 API

type Not applicable.

title title

subtitle subtitle

buttons buttons

buttons.text buttons.text

buttons.postback buttons.postback

Quick replies message object

Dialogflow V1 Dialogflow V2 API

Quick Replies [QuickReplies](https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.int) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.int)

Fields

Dialogflow V1	Dialogflow V2 API
type	Not applicable.
title	title
replies	quickReplies

Custom payload message objects

Custom payloads are used to send platform-specific responses to Actions on Google and other integrations when advanced webhook responses are needed. There are multiple fields that accept and describe custom payloads, and each of these are listed below for each version. For V2, either the `WebhookResponse.payload` or the `Intent.Message.payload` field may be used.

Dialogflow V1 Dialogflow V2 API

Default message object payload

One click integration payload

Actions on Google payload

[WebhookResponse.payload](https://cloud.google.com/dialogflow/docs/reference/rpc/google) (https://cloud.google.com/dialogflow/docs/reference/rpc/google)

[Intent.Message.payload](https://cloud.google.com/dialogflow/docs/reference/rest/v2/proje) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/proje)

[Intent.Message.Platform](https://cloud.google.com/dialogflow/docs/reference/rest/v2/pro) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/pro)

/contexts

Dialogflow V1 Dialogflow V2 API

/contexts [sessions.contexts](https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.ag) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.ag

Context object

Dialogflow V1 Dialogflow V2 API

Context [Context](https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.sessions) (https://cloud.google.com/dialogflow/docs/reference/rest/v2/projects.agent.sessions

Fields

Dialogflow V1	Dialogflow V2 API
name	name
lifespan	lifespanCount
parameters	parameters

[Previous](#)

← [Long-running operations](#)

(https://cloud.google.com/dialogflow/docs/long-running-operations)

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Last updated December 18, 2019.