

Manage intents with the API

[Intents](/dialogflow/docs/intents-overview) (/dialogflow/docs/intents-overview) determine which user requests are understood and what action to take. In most cases, you will use the [Dialogflow Console](https://dialogflow.cloud.google.com) (https://dialogflow.cloud.google.com) to manage intents. In advanced scenarios, you may wish to use the API to manage intents. This page describes how to create, list, and delete intents using the API.

Before you begin

You should do the following before reading this guide:

1. Read [Dialogflow basics](/dialogflow/docs/basics) (/dialogflow/docs/basics).
2. Perform [setup steps](/dialogflow/docs/quick/setup) (/dialogflow/docs/quick/setup).

Create an agent


If you have not already created an agent, create one now:

1. Go to the [Dialogflow Console](https://dialogflow.cloud.google.com) (https://dialogflow.cloud.google.com).
2. If requested, sign in to the Dialogflow Console. See [Dialogflow console overview](/dialogflow/docs/console) (/dialogflow/docs/console) for more information.
3. Click **Create Agent** in the left sidebar menu. (If you already have other agents, click the agent name, scroll to the bottom and click **Create new agent**.)
4. Enter your agent's name, default language, and default time zone.
5. If you have already created a project, enter that project. If you want to allow the Dialogflow Console to create the project, select **Create a new Google project**.
6. Click the **Create** button.

Import the example file to your agent

The steps in this guide make assumptions about your agent, so you need to [import](#) (</dialogflow/docs/agents-settings#export>) an agent prepared for this guide. When importing, these steps use the *restore* option, which overwrites all agent settings, intents, and entities.

To import the file, follow these steps:

1. Download the [room-booking-agent.zip](#) (</dialogflow/docs/data/room-booking-agent.zip>) file.
2. Go to the [Dialogflow Console](https://dialogflow.cloud.google.com) (<https://dialogflow.cloud.google.com>).
3. Select your agent.
4. Click the settings  button next to the agent name.
5. Select the **Export and Import** tab.
6. Select **Restore From Zip** and follow instructions to restore the zip file that you downloaded.

Use IntentView to return all intent data

When creating, listing, or getting an intent, intent data is returned to the caller. By default, this returned data is abbreviated. The samples below use this default.

To retrieve all intent data, you must set the [IntentView](#) parameter to `INTENT_VIEW_FULL`. For more information, see the methods for the [Intents](#) (</dialogflow/docs/reference/common-types#intents>) type.

Create intent

The following samples show how to create an intent. For more information, see the [Intents reference](#) (</dialogflow/docs/reference/common-types#intents>).

[REST & CMD LINE](#)[C# \(#c\)](#)[Go \(#go\)](#)[Java \(#java\)](#)[Node.js \(#node.js\)](#)[PHP \(#php\)](#)[Python \(#python\)](#)[Ruby \(#rub](#)

To create an intent for your agent, call the `create` method on the `intent` resource.

Before using any of the request data below, make the following replacements:

- **project-id**: your GCP project ID

HTTP method and URL:

```
POST https://dialogflow.googleapis.com/v2/projects/project-id/agent/intents
```

Request JSON body:

```
{
  "displayName": "ListRooms",
  "priority": 500000,
  "webhookState": "WEBHOOK_STATE_UNSPECIFIED",
  "trainingPhrases": [
    {
      "type": "EXAMPLE",
      "parts": [
        {
          "text": "What rooms are available at 10am today?"
        }
      ]
    }
  ],
  "action": "listRooms",
  "messages": [
    {
      "text": {
        "text": [
          "Here are the available rooms:"
        ]
      }
    }
  ]
}
```

To send your request, expand one of these options:

 **curl (Linux, macOS, or Cloud Shell)**

Note: Ensure you have set the **GOOGLE_APPLICATION_CREDENTIALS** (/docs/authentication/production) environment variable to your service account private key file path.

Save the request body in a file called `request.json`, and execute the following command:

```
curl -X POST \  
-H "Authorization: Bearer "$(gcloud auth application-default print-access-tok  
-H "Content-Type: application/json; charset=utf-8" \  
-d @request.json \  
https://dialogflow.googleapis.com/v2/projects/project-id/agent/intents
```

+ PowerShell (Windows)

Note: Ensure you have set the **GOOGLE_APPLICATION_CREDENTIALS** (/docs/authentication/production) environment variable to your service account private key file path.

Save the request body in a file called `request.json`, and execute the following command:

```
$cred = gcloud auth application-default print-access-token  
$headers = @{ "Authorization" = "Bearer $cred" }  
  
Invoke-WebRequest `\  
-Method POST `\  
-Headers $headers `\  
-ContentType: "application/json; charset=utf-8" `\  
-InFile request.json `\  
-Uri "https://dialogflow.googleapis.com/v2/projects/project-id/agent/intents
```

+ API Explorer (browser)

Copy the request body and open the [method reference page](#) (/dialogflow/docs/reference/rest/v2/projects.agent.intents/create). The API Explorer panel opens on the right side of the page. You can interact with this tool to send requests. Paste the request body in this tool, complete any other required fields, and click **Execute**.

You should receive a JSON response similar to the following:

```
{
  "name": "projects/project-id/agent/intents/5b290a94-55d6-4074-96f4-9c4c4879c",
  "displayName": "ListRooms",
  "priority": 500000,
  "action": "listRooms",
  "messages": [
    {
      "text": {
        "text": [
          "Here are the available rooms:"
        ]
      }
    }
  ]
}
```

The path segment after `intents` contains your new intent ID.

List intents

The following samples show how to lists intents. For more information, see the [Intents reference](/dialogflow/docs/reference/common-types#intents) (/dialogflow/docs/reference/common-types#intents).

REST & CMD LINE [C#](#) ([#c](#)) [Go](#) ([#go](#)) [Java](#) ([#java](#)) [Node.js](#) ([#node.js](#)) [PHP](#) ([#php](#)) [Python](#) ([#python](#)) [Ruby](#) ([#rub](#))

To list the intents for your agent, call the `list` method on the `intents` resource.

Before using any of the request data below, make the following replacements:

- ***project-id***: your GCP project ID

HTTP method and URL:

```
GET https://dialogflow.googleapis.com/v2/projects/project-id/agent/intents
```

To send your request, expand one of these options:

+ curl (Linux, macOS, or Cloud Shell)

Note: Ensure you have set the **GOOGLE_APPLICATION_CREDENTIALS** (/docs/authentication/production) environment variable to your service account private key file path.

Execute the following command:

```
curl -X GET \  
-H "Authorization: Bearer "$(gcloud auth application-default print-access-token \  
https://dialogflow.googleapis.com/v2/projects/project-id/agent/intents
```

+ PowerShell (Windows)

Note: Ensure you have set the **GOOGLE_APPLICATION_CREDENTIALS** (/docs/authentication/production) environment variable to your service account private key file path.

Execute the following command:

```
$cred = gcloud auth application-default print-access-token \  
$headers = @{ "Authorization" = "Bearer $cred" } \  
Invoke-WebRequest ` \  
-Method GET ` \  
-Headers $headers ` \  
-Uri "https://dialogflow.googleapis.com/v2/projects/project-id/agent/intents
```

+ API Explorer (browser)

Open the [method reference page](/dialogflow/docs/reference/rest/v2/projects.agent.intents/list) (/dialogflow/docs/reference/rest/v2/projects.agent.intents/list). The API Explorer panel opens on the right side of the page. You can interact with this tool to send requests. Complete any required fields and click **Execute**.

You should receive a JSON response similar to the following:

```
{
  "intents": [
    {
      "name": "projects/project-id/agent/intents/5b290a94-55d6-4074-96f4-9c4c4",
      "displayName": "ListRooms",
      "priority": 500000,
      "action": "listRooms",
      "messages": [
        {
          "text": {
            "text": [
              "Here are the available rooms:"
            ]
          }
        }
      ]
    },
    ...
  ]
}
```

The path segments after `intents` contain your intent IDs.

Delete intents

The following samples show how to delete an intent. For more information, see the [Intents reference](/dialogflow/docs/reference/common-types#intents) (/dialogflow/docs/reference/common-types#intents).

REST & CMD LINE[C#](#) ([#c](#))[Go](#) ([#go](#))[Java](#) ([#java](#))[Node.js](#) ([#node.js](#))[PHP](#) ([#php](#))[Python](#) ([#python](#))[Ruby](#) ([#rub](#)

To delete an intent for your agent, call the `delete` method on the `intents` resource.

Before using any of the request data below, make the following replacements:

- ***project-id***: your GCP project ID
- ***intent-id***: your intent ID

HTTP method and URL:

```
DELETE https://dialogflow.googleapis.com/v2/projects/project-id/agent/intents/
```

To send your request, expand one of these options:

+ curl (Linux, macOS, or Cloud Shell)

Note: Ensure you have set the [GOOGLE_APPLICATION_CREDENTIALS](#) (/docs/authentication/production) environment variable to your service account private key file path.

Execute the following command:

```
curl -X DELETE \  
-H "Authorization: Bearer "$(gcloud auth application-default print-access-token \  
https://dialogflow.googleapis.com/v2/projects/project-id/agent/intents/intent-
```

+ PowerShell (Windows)

Note: Ensure you have set the [GOOGLE_APPLICATION_CREDENTIALS](#) (/docs/authentication/production) environment variable to your service account private key file path.

Execute the following command:

```
$cred = gcloud auth application-default print-access-token  
$headers = @{ "Authorization" = "Bearer $cred" }
```

```
Invoke-WebRequest `\  
-Method DELETE `\  
-Headers $headers `\  
-Uri "https://dialogflow.googleapis.com/v2/projects/project-id/agent/intents
```


API Explorer (browser)

Open the [method reference page](#)

(</dialogflow/docs/reference/rest/v2/projects.agent.intents/delete>). The API Explorer panel opens on the right side of the page. You can interact with this tool to send requests. Complete any required fields and click **Execute**.

You should receive a successful status code (2xx) and an empty response.

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[Manage knowledge bases](#) (</dialogflow/docs/how/knowledge-bases>) [→](#)

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