

# Locations

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AutoML Tables offers you some control over where the resources for your project (your datasets and models) are stored and processed. In particular, you can configure AutoML Tables to store your data at rest and perform machine learning processing only in the European Union.

By default AutoML Tables stores and processes resources in a **Global** location, which means that AutoML Tables doesn't guarantee that your resources will remain within a particular location or region. If you choose the **European Union** location, Google will store your data and process it only in the European Union. You and your users can access the data from any location.

## Setting the location in the Google Cloud Console

When you [create a new dataset \(/automl-tables/docs/import#create\)](/automl-tables/docs/import#create), you specify the location for that dataset using the drop-down list just below the text box where you enter the dataset name. Models trained using that dataset are created in the same location.

The listing pages for datasets and models each have a **Location** drop-down list you can use to show the resources in the selected location.

## Setting the location using the API

AutoML Tables supports both a global API endpoint (`automl.googleapis.com`) and a European Union endpoint (`eu-automl.googleapis.com`). To store and process your data in the European Union only, use the URI `eu-automl.googleapis.com` in place of `automl.googleapis.com` for your REST API calls.

When using the AutoML API, you identify resources using their full *resource name*, which includes their location as well as their unique ID. For example, the resource name for a dataset has the format `projects/{project-id}/locations/{location}/datasets/{dataset-id}`. For resources stored in the global location, replace the `{location}` variable with the value `us-central1`. For resources stored in the European Union location, replace the `{location}` variable with the value `eu` and use the `eu-automl.googleapis.com` endpoint.

## Setting the location using client libraries

The AutoML client libraries accesses the global API endpoint (`automl.googleapis.com`) by default. To store and process your data in the European Union only, you need to explicitly set the endpoint. The code samples below show how to configure this setting.

[Java](#)[Node.js](#) (#node.js)[Python](#) (#python)

<https://github.com/googleapis/google-cloud-java/blob/master/automl-beta/src/main/java/com/example/automl/SetEndpoint.java>

```
AutoMLSettings settings =
    AutoMLSettings.newBuilder().setEndpoint("eu-automl.googleapis.com:443").build();

// Initialize client that will be used to send requests. This client only needs to be
// initialized once, and can be reused for multiple requests. After completing all of your requests,
// call the "close" method on the client to safely clean up any remaining background resources.
AutoMLClient client = AutoMLClient.create(settings);

// A resource that represents Google Cloud Platform location.
LocationName projectLocation = LocationName.of(projectId, "eu");
```

## Bucket requirements

Some AutoML Tables tasks, such as importing data from your local computer, use a Cloud Storage bucket. The requirements for the bucket differ between the Global (`us-central1`) and European Union (`eu`) locations.

## Bucket requirements for us-central1

- Location type: **Region**
- Location: **us-central1**
- Storage class: **Standard** (sometimes displayed in the Cloud Storage browser as **Regional**)

## Bucket requirements for eu

- Location type: **Multi-region**
- Location: **eu**
- Storage class: **Standard** (sometimes displayed in the Cloud Storage browser as **Multi-Regional**)

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