

# Google Cloud ML Engine Setup

# Create New Project

Manage resources

CREATE PROJECT

DELETE

HIDE INFO PANEL

Filter by name, ID, project number, or label

Columns

<input type="checkbox"/>	Project name	Project ID	
<input type="checkbox"/>	AEDMobile	firebase-aedmobile	
<input type="checkbox"/>	AEDweb	aedweb-1354	
<input type="checkbox"/>	BikeRideApp	bikerideapp	
<input type="checkbox"/>	Fiduche	fiduche-5d0bb	
<input type="checkbox"/>	Fiduche	fiduche-153522	
<input type="checkbox"/>	FightBuddy	fightbuddy-27102	
<input type="checkbox"/>	FightBuddy	fightbuddy-147115	
<input type="checkbox"/>	FirebaseTest	firebaseetest-140205	
<input type="checkbox"/>	Google Play Android Developer	api-project-216161238124	
<input type="checkbox"/>	GraffitiCloud	graffiticloud-905	
<input type="checkbox"/>	Little Library Buddy	fir-e57cd	
<input type="checkbox"/>	MLTest	mltest-229502	
<input type="checkbox"/>	PopUp Buddy	popup-buddy	
<input type="checkbox"/>	PostMe	postme-3f7d3	

Rows per page: 50 1 - 14 of 14

Select a resource

PERMISSIONS

LABELS

Please select at least one resource.

# Create a Project - give it a name

## New Project



You have 11 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

Project Name \*

MyAIProject



Project ID: myaiproject-232619. It cannot be changed later. [EDIT](#)

Location \*



No organization

[BROWSE](#)

Parent organization or folder

CREATE

CANCEL

# Refresh Manage Resources page to see newly created project

← Manage resources

+

 CREATE PROJECT

🗑

 DELETE

HIDE INFO PANEL

Filter by name, ID, project number, or label

Columns ▾

<input type="checkbox"/> Project name	Project ID	
<input type="checkbox"/> AEDMobile	firebase-aedmobile	⋮
<input type="checkbox"/> AEDweb	aedweb-1354	⋮
<input type="checkbox"/> BikeRideApp	bikerideapp	⋮
<input type="checkbox"/> Fiduche	fiduche-5d0bb	⋮
<input type="checkbox"/> Fiduche	fiduche-153522	⋮
<input type="checkbox"/> FightBuddy	fightbuddy-27102	⋮
<input type="checkbox"/> FightBuddy	fightbuddy-147115	⋮
<input type="checkbox"/> FirebaseTest	firebase-test-140205	⋮
<input type="checkbox"/> Google Play Android Developer	api-project-216161238124	⋮
<input type="checkbox"/> GraffitiCloud	graffiticloud-905	⋮
<input type="checkbox"/> Little Library Buddy	fir-e57cd	⋮
<input type="checkbox"/> MLTest	mltest-229502	⋮
<input type="checkbox"/> MyAIProject	myai-project-232619	⋮
<input type="checkbox"/> PopUp Buddy	popup-buddy	⋮
<input type="checkbox"/> PostMe	postme-3f7d3	⋮

Rows per page: 50 ▾ 1 - 15 of 15 < >

Select a resource

PERMISSIONS

LABELS

ⓘ Please select at least one resource.

# Create a Service Account for your project

Google Cloud Platform

MyAIProject

IAM & admin

IAM

Identity & Organization

Organization policies

Quotas

Service accounts

Labels

Privacy & Security

Settings

Cryptographic keys

Identity-Aware Proxy

Roles

Audit Logs

Manage resources

<|

Service accounts

+ CREATE SERVICE ACCOUNT

DELETE

HIDE INFO PANEL

Service accounts for project "MyAIProject"

A service account represents a Google Cloud service identity, such as code running on Compute Engine VMs, App Engine apps, or systems running outside Google. [Learn more](#)

Filter table

	Email	Name ↑	Description	Key ID	Key creation date	Actions
No rows to display						

Permissions

You can allow specific users to have ownership and access to service accounts and their settings. Users with primitive project owner and project editor roles can already modify service accounts, but you might want to restrict access for some users so that they can take only specific actions against service account resources. [Learn more](#)

To assign a project role to a service account, use the IAM page.

Please select at least one resource.

# Complete Service Account Details

Google Cloud Platform

MyAIProject

IAM & admin

IAM

Identity & Organization

Organization policies

Quotas

Service accounts

Labels

Privacy & Security

Settings

Cryptographic keys

Identity-Aware Proxy

Roles

Audit Logs

### Create service account

1 Service account details — 2 Grant this service account access to project (optional) — 3 Grant users access to this service account (optional)

#### Service account details

Service account name

AIDev

Display name for this service account

Service account ID

aiddev-621

X

↺

Service account description

Service account for Cloud ML Project

Describe what this service account will do

CREATE

CANCEL

# Create Service Account Roles Part 1

The screenshot shows the Google Cloud Platform (GCP) IAM & admin console. The left sidebar contains the navigation menu with the following items: IAM & admin, IAM, Identity & Organization, Organization policies, Quotas, Service accounts (highlighted), Labels, Privacy & Security, Settings, Cryptographic keys, Identity-Aware Proxy, Roles, and Audit Logs. The main content area is titled 'Create service account' and shows a progress bar with three steps: 1. Service account details (checked), 2. Grant this service account access to project (optional) (active), and 3. Grant users access to this service account (optional). Below the progress bar, the 'Service account permissions (optional)' section is displayed. It includes a description: 'Grant this service account access to MyAIProject so that it has permission to complete specific actions on the resources in your project. [Learn more](#)'. A 'Select a role' modal is open, showing a search bar 'Type to filter' and a list of roles. The roles are categorized by a vertical bar on the left: Genomics, IAM, Kubernetes Engine, Logging, Machine Learning En..., Memorystore Redis, and Monitoring. The roles listed are: ML Engine Admin, ML Engine Developer, and ML Engine Viewer. At the bottom of the modal is a 'MANAGE ROLES' link.

Google Cloud Platform MyAIProject

IAM & admin

Service accounts

Create service account

Service account details — Grant this service account access to project (optional) — Grant users access to this service account (optional)

**Service account permissions (optional)**

Grant this service account access to MyAIProject so that it has permission to complete specific actions on the resources in your project. [Learn more](#)

Select a role

Type to filter

Genomics	ML Engine Admin
IAM	ML Engine Developer
Kubernetes Engine	ML Engine Viewer
Logging	
Machine Learning En...	
Memorystore Redis	
Monitoring	

[MANAGE ROLES](#)

# Create Service Account Roles Part 2

The screenshot displays the Google Cloud Platform (GCP) IAM & admin console. The top navigation bar includes the Google Cloud Platform logo, the project name 'MyAIProject', and a search bar. The left sidebar lists various IAM & admin features, with 'Service accounts' highlighted. The main content area shows the 'Create service account' wizard, which is currently on the 'Service account permissions (optional)' step. This step allows users to grant the service account access to project resources. The 'Role' dropdown is set to 'ML Engine Developer', which provides access to create training and prediction jobs, models, and versions, and to send online prediction requests. Below the role selection, there is a '+ ADD ANOTHER ROLE' link. At the bottom of the wizard, there are 'CONTINUE' and 'CANCEL' buttons.

Google Cloud Platform MyAIProject

IAM & admin

- IAM
- Identity & Organization
- Organization policies
- Quotas
- Service accounts**
- Labels
- Privacy & Security
- Settings
- Cryptographic keys
- Identity-Aware Proxy
- Roles
- Audit Logs

Create service account

✓ Service account details — 2 Grant this service account access to project (optional) — 3 Grant users access to this service account (optional)

**Service account permissions (optional)**

Grant this service account access to MyAIProject so that it has permission to complete specific actions on the resources in your project. [Learn more](#)

Role  
ML Engine Developer

Access to create training and prediction jobs, models and versions, send online prediction requests.

+ ADD ANOTHER ROLE

CONTINUE CANCEL



# Create and Download service account Key json file Part 1

The screenshot displays the Google Cloud Platform (GCP) IAM & admin console. The left sidebar shows the navigation menu with 'Service accounts' selected. The main content area shows the details for a service account named 'AIDev'. The 'Name' field is 'AIDev' and the 'Description' is 'Service account for Cloud ML Projects'. A modal dialog is open in the center, titled 'Private key saved to your computer'. It contains a warning icon and the text: 'myaiproject-232619-8ccf6c2bf4b4.json allows access to your cloud resources, so store it securely. [Learn more](#)'. The dialog has a 'CLOSE' button in the bottom right corner. Below the dialog, the 'Keys' section is visible, showing a 'Key ID' field with a redacted value and a '+ CREATE KEY' button. At the bottom of the page, there are 'SAVE' and 'CANCEL' buttons.

Google Cloud Platform MyAIProject

IAM & admin

Service accounts

AIDev EDIT DELETE

Service account details

Name  
AIDev

Description  
Service account for Cloud ML Projects

Email  
[REDACTED]

Unique ID  
[REDACTED]

☐ Enable G Suite  
Allows this ser  
without manu

HIDE DOMAIN-

Keys

Key ID  
[REDACTED]

+ CREATE KEY

SAVE CANCEL

Private key saved to your computer

myaiproject-232619-8ccf6c2bf4b4.json allows access to your cloud resources, so store it securely. [Learn more](#)

CLOSE

# Create and Download service account Key json file Part 2

The screenshot displays the Google Cloud Platform (GCP) IAM & admin console. The top navigation bar is blue and contains the Google Cloud Platform logo, the project name 'MyAIProject', a search bar, and several utility icons. The left sidebar is a light gray navigation menu with the following items: IAM & admin (selected), IAM, Identity & Organization, Organization policies, Quotas, Service accounts (highlighted in blue), Labels, Privacy & Security, Settings, Cryptographic keys, Identity-Aware Proxy, Roles, and Audit Logs. The main content area has a white background and a blue header bar with a back arrow, the service account name 'AIDev', and 'EDIT' and 'DELETE' buttons. The 'Service account details' section includes four text input fields: 'Name' (containing 'AIDev'), 'Description' (containing 'Service account for Cloud ML Projects'), 'Email' (redacted with a black bar), and 'Unique ID' (redacted with a black bar). Below these fields is an unchecked checkbox labeled 'Enable G Suite Domain-wide Delegation' with a descriptive text and a 'Learn more' link. A blue link 'HIDE DOMAIN-WIDE DELEGATION' is positioned below the checkbox. The 'Keys' section shows a single key entry with a 'Key ID' field (redacted) and a trash icon. At the bottom of the main area are three buttons: '+ CREATE KEY' (outlined), 'SAVE' (solid blue), and 'CANCEL' (outlined).

Google Cloud Platform MyAIProject

IAM & admin

AIDev EDIT DELETE

### Service account details

Name  
AIDev

Description  
Service account for Cloud ML Projects

Email  
[REDACTED]

Unique ID  
[REDACTED]

☐ Enable G Suite Domain-wide Delegation  
Allows this service account to be authorized to access all users' data on a G Suite domain without manual authorization on their parts. [Learn more](#)

[HIDE DOMAIN-WIDE DELEGATION](#)

### Keys

Key ID  
[REDACTED]

+ CREATE KEY

SAVE CANCEL

# Service Account Created

Google Cloud Platform

MyAIProject

?

?

?

?

?

?

IAM & admin

IAM

Identity & Organization

Organization policies

Quotas

Service accounts

Labels

Privacy & Security

Settings

Cryptographic keys

Identity-Aware Proxy

Roles

Audit Logs

Manage resources

Service accounts

+ CREATE SERVICE ACCOUNT

DELETE

HIDE INFO PANEL

Service accounts for project "MyAIProject"

A service account represents a Google Cloud service identity, such as code running on Compute Engine VMs, App Engine apps, or systems running outside Google. [Learn more](#)

Filter table

Email

aldev-621@myaiproject-

AIDev

Service account for Cloud ML Projects

Key ID

Actions

Permissions

You can allow specific users to have ownership and access to service accounts and their settings. Users with primitive project owner and project editor roles can already modify service accounts, but you might want to restrict access for some users so that they can take only specific actions against service account resources. [Learn more](#)

To assign a project role to a service account, use the IAM page.

1

Please select at least one resource.

# Enable ML API from Project Navigation Menu Part 1

The screenshot shows the Google Cloud Platform (GCP) console interface. The top navigation bar is blue and contains the GCP logo, the project name 'MyAIProject', a search bar, and various utility icons. The left-hand navigation menu is open, displaying a list of services. A dashed blue box highlights the 'Pins appear here' area at the top of the menu. Below this, the 'ARTIFICIAL INTELLIGENCE' section is expanded, showing 'ML Engine', 'Natural Language', 'Talent Solution', 'Translation', and 'Vision'. A sub-menu is visible for 'ML Engine', showing 'Jobs' and 'Models'. The 'ML API' option is not yet visible in the main menu. The main content area on the right shows a dashboard with a line chart titled 'API APIs' showing 'Requests (requests/sec)' over time, and several status cards for 'Google Cloud Platform status', 'Billing', 'Error Reporting', and 'News'.

Google Cloud Platform MyAIProject

Home

Pins appear here

Pub/Sub

Dataproc

Dataflow

IoT Core

Composer

Genomics

Dataprep

ARTIFICIAL INTELLIGENCE

ML Engine

Natural Language

Talent Solution

Translation

Vision

OTHER GOOGLE SOLUTIONS

Google Maps

API APIs

Requests (requests/sec)

Go to APIs overview

Google Cloud Platform status

All services normal

Go to Cloud status dashboard

Billing

Estimated charges USD \$0.00

For the billing period Feb 1 – 23, 2019

View detailed charges

Error Reporting

No sign of any errors. Have you set up Error Reporting?

Learn how to set up Error Reporting

News

Enabling connected transformation with Apache Kafka and TensorFlow on Google Cloud Platform

1 day ago

The service mesh era: Securing your environment with Istio

2 days ago

Google Cloud Next '19 session guide now available

# Enable ML API from Project Navigation Menu Part 2

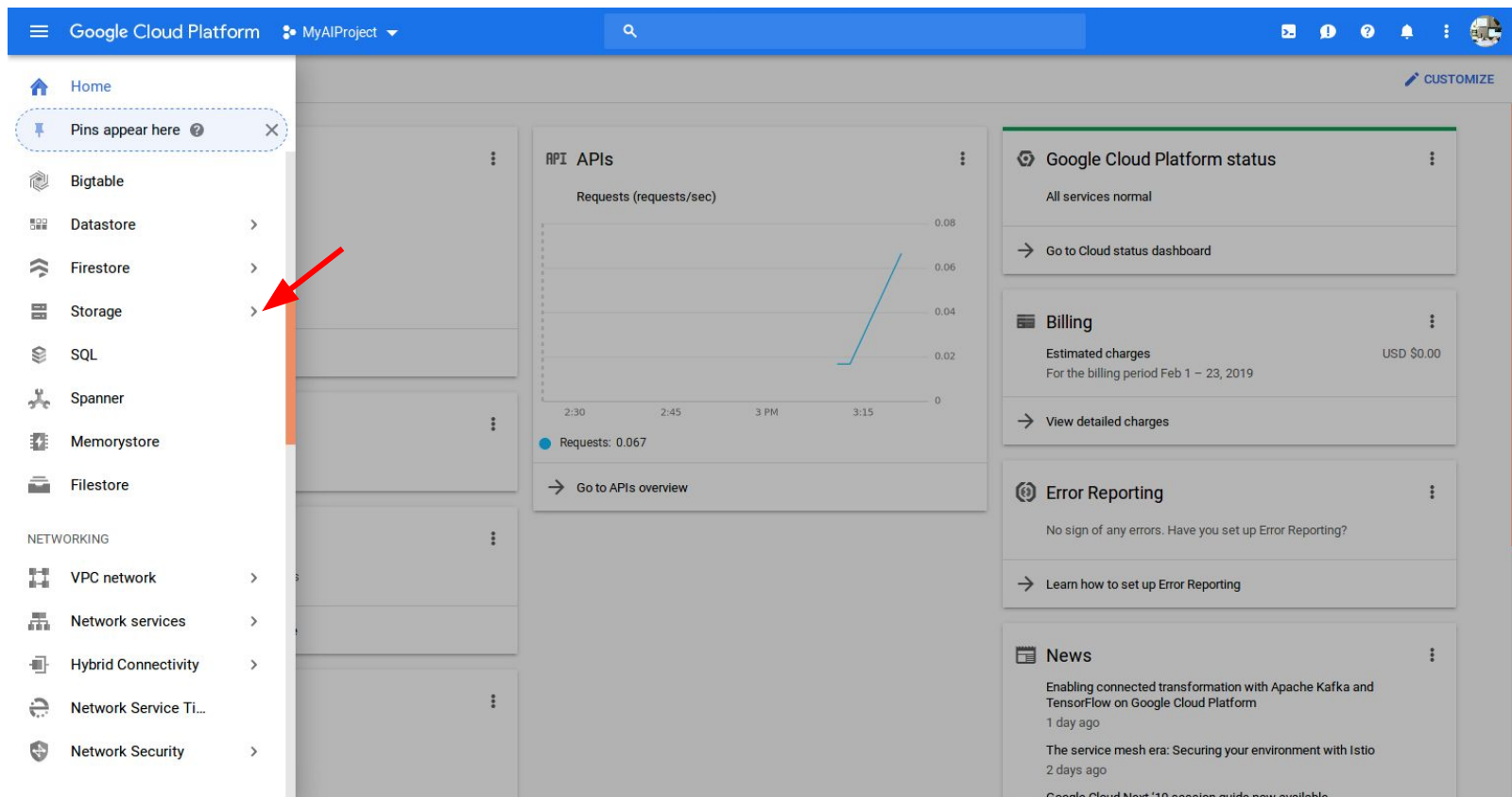
The screenshot shows the Google Cloud Platform interface. At the top, the navigation bar includes the Google Cloud Platform logo, the project name 'MyAIProject', a search bar, and various utility icons. The left sidebar shows the 'ML Engine' section with 'Jobs' and 'Models' sub-items. The main content area is titled 'Jobs' and contains a card with the following text:

Machine Learning Engine  
**Jobs**  
Google Cloud Machine Learning Engine combines the power of Google's infrastructure with the latest innovations in deep learning.  
Use Cloud ML Engine to create predictive models of your data. To get started, create a model and train different versions of it from the command line.  
[Learn more](#)

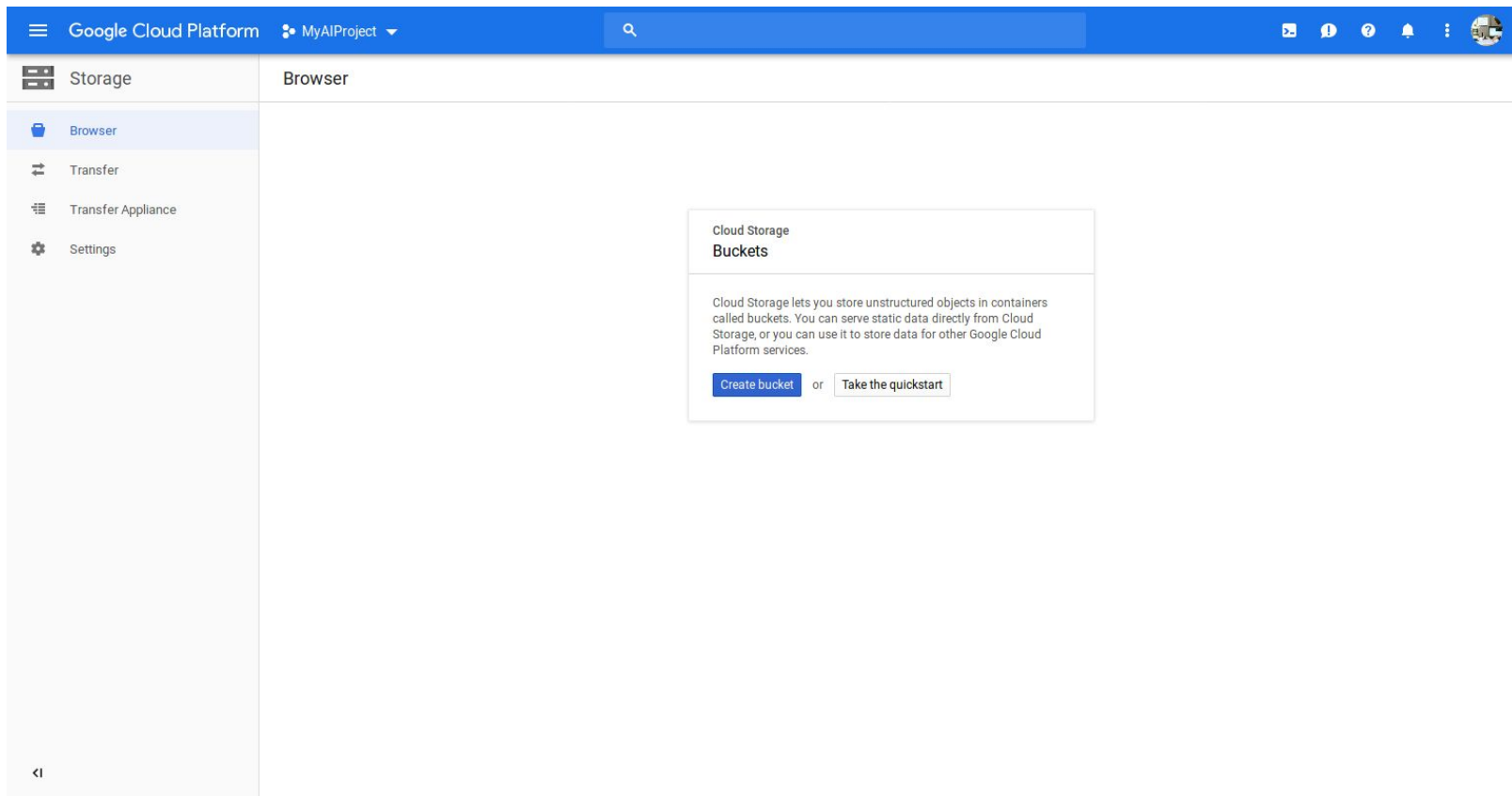
A red arrow points to the 'ENABLE API' button located at the bottom of the card.

On the right side of the page, there is a section titled 'No jobs selected' with a message: 'Labels help organize your resources (e.g., cost\_center:sales or env:prod).'. Below this, a grey box contains an information icon and the text 'No jobs selected.'.

# Create Cloud Storage Bucket from Project Navigation Menu Part 1



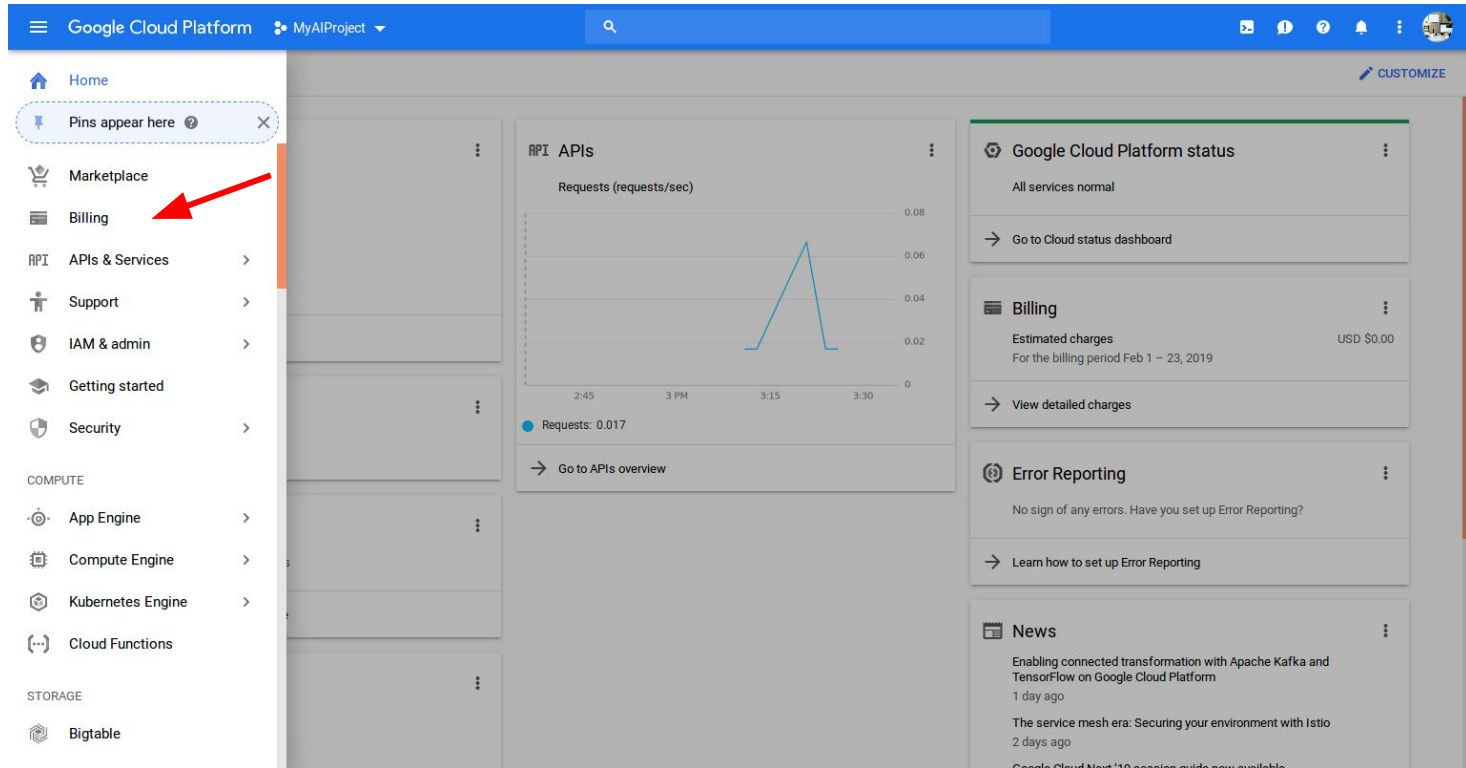
# Create Cloud Storage Bucket from Project Navigation Menu Part 2







# Enable Project billing from Project Navigation Menu And Complete Payments Settings Menu Item Part 1



The screenshot shows the Google Cloud Platform interface. On the left, the navigation menu is open, displaying various options. A red arrow points to the 'Billing' option, which is located between 'Marketplace' and 'APIs & Services'. The main content area on the right shows a dashboard with several widgets, including 'APIs', 'Google Cloud Platform status', 'Billing', 'Error Reporting', and 'News'. The 'Billing' widget displays 'Estimated charges' for the period Feb 1 - 23, 2019, with a total of USD \$0.00.

Google Cloud Platform MyAIProject

Home

Pins appear here

Marketplace

Billing

APIs & Services

Support

IAM & admin

Getting started

Security

COMPUTE

App Engine

Compute Engine

Kubernetes Engine

Cloud Functions

STORAGE

Bigtable

APIs

Requests (requests/sec)

Google Cloud Platform status

All services normal

Go to Cloud status dashboard

Billing

Estimated charges

For the billing period Feb 1 - 23, 2019

USD \$0.00

View detailed charges

Error Reporting

No sign of any errors. Have you set up Error Reporting?

Learn how to set up Error Reporting

News

Enabling connected transformation with Apache Kafka and TensorFlow on Google Cloud Platform

1 day ago

The service mesh era: Securing your environment with Istio

2 days ago

Google Cloud Next '19 session guide now available

# Enable Project billing from Project Navigation Menu

## And Complete Payments Settings Menu Item Part 2

The screenshot displays the Google Cloud Platform Billing console interface. The top navigation bar includes the Google Cloud Platform logo, a search bar, and user profile icons. The left sidebar shows the 'Billing' menu with options like Overview, Budgets & alerts, Transactions, Billing export, Payment settings, Payment method, and Reports. The main content area is titled 'Overview' for 'My Billing Account 1' and includes links to 'RENAME BILLING ACCOUNT' and 'CLOSE BILLING ACCOUNT'. The 'Billing account overview' tab is active, showing the 'Billing account ID' as [REDACTED]. Below this, the 'Credits' section indicates 'No credits to display'. The 'Projects linked to this billing account' section contains a table with two entries: 'MyAIProject' (ID: myaiproject-292619) and 'MLTest' (ID: mltest-229502). The right sidebar, titled 'My Billing Account 1', shows the 'PERMISSIONS' tab with an 'Add members' button and a search bar. A dropdown menu shows 'Billing Account Administrator (1 member)' with the description 'Authorized to see and manage all aspects of billing accounts.'

Google Cloud Platform

Billing

Overview

My Billing Account 1

RENAME BILLING ACCOUNT

CLOSE BILLING ACCOUNT

HIDE INFO PANEL

Billing account overview

Payment overview

Billing account ID [REDACTED]

Credits

No credits to display

Projects linked to this billing account

Project name	Project ID
MyAIProject	myaiproject-292619
MLTest	mltest-229502

My Billing Account 1

PERMISSIONS

Add members

Select a role

Add

Search members

Filter by name or role

Billing Account Administrator (1 member)

Authorized to see and manage all aspects of billing accounts.

# Copy Project Name, Project ID from project Dashboard

The screenshot shows the Google Cloud Platform dashboard for a project named 'MyAIProject'. The top navigation bar includes the Google Cloud logo, the project name 'MyAIProject', a search bar, and various utility icons. Below the navigation bar, the 'DASHBOARD' tab is selected, and a 'CUSTOMIZE' link is visible on the right.

The dashboard is organized into several sections:

- Project info:** Displays the project name 'MyAIProject', Project ID 'myaiproject-232619', and Project number '1017158575203'. A link to 'Go to project settings' is provided.
- Resources:** Shows 'Storage' with '1 bucket'.
- Trace:** Indicates 'No trace data from the past 7 days' and provides a link to 'Get started with Stackdriver Trace'.
- Getting Started:** Offers links to 'Explore and enable APIs' and 'Deploy a prebuilt solution'.
- API APIs:** A line chart showing 'Requests (requests/sec)' over time. The chart shows a peak around 3:15 PM. Below the chart, a status indicator shows 'Requests: 0.017' and a link to 'Go to APIs overview'.
- Google Cloud Platform status:** States 'All services normal' and provides a link to 'Go to Cloud status dashboard'.
- Billing:** Shows 'Estimated charges' for the billing period 'Feb 1 - 23, 2019' as 'USD \$0.00'. A link to 'View detailed charges' is available.
- Error Reporting:** States 'No sign of any errors. Have you set up Error Reporting?' and provides a link to 'Learn how to set up Error Reporting'.
- News:** Lists recent news items, including 'Enabling connected transformation with Apache Kafka and TensorFlow on Google Cloud Platform' (1 day ago), 'The service mesh era: Securing your environment with Istio' (2 days ago), and 'Google Cloud Next '19 session guide now available'.

# Deploy Model to Cloud ML Engine from Cloud Bucket - Create Model Part 1

The screenshot displays the Google Cloud Platform (GCP) console interface. The top navigation bar includes the GCP logo, the project name 'MyAIProject', a search bar, and various utility icons. On the left, a sidebar menu lists different GCP services, with 'Artificial Intelligence' expanded to show 'ML Engine'. A dropdown menu is visible under 'ML Engine', showing 'Jobs' and 'Models'. The main content area features a 'APIs' section with a line graph titled 'Requests (requests/sec)' showing a peak around 3:15 PM. Below the graph, it indicates 'Requests: 0.017' and provides a link to 'Go to APIs overview'. On the right side of the console, there are several informational panels: 'Google Cloud Platform status' (All services normal), 'Billing' (Estimated charges for Feb 1-23, 2019 are USD \$0.00), 'Error Reporting' (No sign of any errors), and 'News' (Recent updates and guides).

Google Cloud Platform MyAIProject

Home

Pins appear here

Pub/Sub

Dataproc

Dataflow

IoT Core

Composer

Genomics

Dataprep

ARTIFICIAL INTELLIGENCE

ML Engine

Natural Language

Talent Solution

Translation

Vision

OTHER GOOGLE SOLUTIONS

Google Maps

APIs

Requests (requests/sec)

3:15 3:30 3:45 4 PM

Requests: 0.017

Go to APIs overview

Google Cloud Platform status

All services normal

Go to Cloud status dashboard

Billing

Estimated charges

For the billing period Feb 1 – 23, 2019

USD \$0.00

View detailed charges

Error Reporting

No sign of any errors. Have you set up Error Reporting?

Learn how to set up Error Reporting

News

Enabling connected transformation with Apache Kafka and TensorFlow on Google Cloud Platform

1 day ago

The service mesh era: Securing your environment with Istio

2 days ago

Google Cloud Next '19 session guide now available

# Deploy Model to Cloud ML Engine from Cloud Bucket - Create Model Part 2

The screenshot displays the Google Cloud Platform (GCP) console interface for the ML Engine service. The top navigation bar is blue and includes the Google Cloud Platform logo, the project name 'MyAIProject', a search bar, and various utility icons. The left sidebar shows the 'ML Engine' menu with 'Jobs' and 'Models' options, where 'Models' is currently selected. The main content area is titled 'Models' and features a 'Machine Learning Engine Models' section. This section contains a descriptive paragraph about Google Cloud ML Engine, a brief instruction on how to create and train models, a 'Learn more' link, and a prominent 'CREATE MODEL' button. On the right side of the console, a panel titled 'No models selected' is visible, with tabs for 'LABELS' and 'PERMISSIONS'. The 'LABELS' tab is active, showing a message that labels help organize resources and a status box indicating 'No models selected'.

Google Cloud Platform MyAIProject

ML Engine Models

Jobs Models

Machine Learning Engine  
**Models**

Google Cloud Machine Learning Engine combines the power of Google's infrastructure with the latest innovations in deep learning.

Use Cloud ML Engine to create predictive models of your data. To get started, create a model and train different versions of it from the command line.  
[Learn more](#)

[CREATE MODEL](#)

No models selected

[LABELS](#) [PERMISSIONS](#)

Labels help organize your resources (e.g., cost\_center:sales or env:prod).

**i** No models selected.

# Deploy Model to Cloud ML Engine from Cloud Bucket - Create Model Part 3

Google Cloud Platform MyAIProject

ML Engine

Jobs

Models

Create model

**Model Name \***  
ML\_Workshop

Name is permanent, is case-sensitive, must start with a letter, and must only contain letters, numbers and underscores. Model names must be unique within each project.  
11 / 128

**Description**  
Example Model Creation and Deployment for ML Workshop

CREATE CANCEL

# Deploy Model to Cloud ML Engine from Cloud Bucket - Create Model Part 4

The screenshot shows the Google Cloud Platform (GCP) ML Engine console. The top navigation bar includes the GCP logo, 'Google Cloud Platform', the project name 'MyAIProject', a search bar, and various utility icons. The left sidebar shows the 'ML Engine' section with 'Jobs' and 'Models' options. The 'Models' section is active, displaying a table of models. The table has columns for 'Name', 'Default version', 'Description', and 'Labels'. One model is listed: 'ML\_Workshop' with a default version of '-' and a description of 'Example...'. The right sidebar shows 'No models selected' and tabs for 'LABELS' and 'PERMISSIONS'. The 'LABELS' tab is selected, showing a message that labels help organize resources and a 'No models selected' status.

Name	Default version	Description	Labels
ML_Workshop	-	Example...	

# Deploy Model to Cloud ML Engine from Cloud Bucket - Create Model Versions Part 1

The screenshot shows the Google Cloud Platform (GCP) ML Engine console. The top navigation bar includes the Google Cloud Platform logo, the project name 'MyAIProject', and a search bar. The left sidebar shows the 'ML Engine' section with 'Jobs' and 'Models' options. The 'Models' page is active, displaying a table of models. A context menu is open for the 'ML\_Workshop' model, showing options to 'Create version' and 'Delete'. The table has columns for 'Name', 'Default version', 'Description', and 'Labels'. The 'ML\_Workshop' model is listed with a default version of '-' and a description of 'Example...'. The right sidebar shows the 'Labels' and 'Permissions' tabs, with a message indicating 'No models selected'.

Google Cloud Platform MyAIProject

ML Engine Models + NEW MODEL

Filter by prefix...

<input type="checkbox"/>	Name	Default version	Description	Labels
<input type="checkbox"/>	ML_Workshop	-	Example...	▼

- + Create version
- Delete

No models selected

LABELS PERMISSIONS

No models selected.



# Deploy Model to Cloud ML Engine from Cloud Bucket - Create Model Versions Part 2

Google Cloud Platform

ML Engine

Jobs

Models

Create version

To create a new version of your model, make necessary adjustments to your saved model file before exporting and store your exported model in Cloud Storage. [Learn more](#)

Name

XOR\_Version\_1

Name cannot be changed, is case sensitive, must start with a letter, and may only contain letters, numbers, and underscores. 13 / 128

Description

Version 1 of XOR NN model for ML Workshop

Python version

3.5

Select the Python version you used to train the model

Model version with Python 3.0 and beyond can't be used for batch prediction jobs. Online prediction still works.

Framework

TensorFlow

Framework version

1.12.0

ML runtime version

1.12

Machine type

Single core CPU

gs:// Model URI \*

BROWSE

Model URI location is required

Online prediction deployment

Select folder

Buckets

myaiprojbucket

SELECT

CANCEL

# Deploy Model to Cloud ML Engine from Cloud Bucket - Save/Deploy Model Versions Part 3

Google Cloud Platform

ML Engine

Jobs

Models

Create version

Python version  
3.5

Select the Python version you used to train the model

Model version with Python 3.0 and beyond can't be used for batch prediction jobs. Online prediction still works.

Framework  
TensorFlow

Framework version  
1.12.0

ML runtime version  
1.12

Machine type  
Single core CPU

Model URI \*  
gs://myaiprojbucket BROWSE

Cloud Storage path to the entire SavedModel directory. [Learn more](#)

Online prediction deployment

Scaling  
Auto scaling

Minimum number of nodes (optional)

Keeping a minimum number of nodes running all the time will avoid dropping requests due to nodes initialization after the service has scaled down. This setting can increase cost, as you pay for the nodes even when no predictions are served.

SAVE CLEAR CANCEL

## Deploy Model to Cloud ML Engine from Cloud Bucket

The screenshot shows the Google Cloud Platform ML Engine console. The top navigation bar includes the Google Cloud Platform logo and a search bar. The left sidebar shows the 'ML Engine' section with 'Jobs' and 'Models' options. The main content area is titled 'Model Details' and shows the details for a model named 'ML\_Workshop'. The 'Default version' is set to 'XOR\_Version\_1 (default)'. Below this, a table lists the model versions, with 'XOR\_Version\_1 (default)' selected. A right-hand panel shows a message 'No versions selected'.

Name	Default version
ML_Workshop	-

Filter by prefix...	Name	Create time	Last used	Labels
<input type="checkbox"/>	XOR_Version_1 (default)	Feb 23, 2019, 4:19:49 PM		

```
response = service.projects().predict(
    name='projects/myaiprject-232619/models/ML_Workshop/versions/XOR_Version_1',
    body={"instances": [{"inputs": [1.0,1.0]}, {"inputs": [0.0,0.0]}, {"inputs": [1.0,0.0]}}
).execute()
```