

Google Cloud

Miaoxuan-Zhang-Nha504

v

Search

Vertex AI

Workbench

NEW INSTANCE

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VERTEX AI STUDIO

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BUILD WITH GEN AI

Marketplace

1

Migrate your instances to the new **Notebooks API**, which manages your Workbench Notebooks and provides additional functionality with no change in pricing. To get started, click "Enable Notebooks API". [Learn more](#)

ENABLE NOTEBOOKS API

Instances created by using the Compute Engine API are called legacy instances. Legacy instances don't receive the latest updates to functionality and features. To use the new functionality and features that are available with the Notebooks API, you must enable Notebooks API and [register](#) your legacy instances.

Filter

Enter property name or value

Instance name

Zone

Environment

Machine type

GPUs

Owner

Last modified

You don't have any instances in this project yet.

Create a instance, or take the quickstart for a step-by-step guide to getting started using Notebooks API.

CREATE INSTANCE

TAKE THE QUICKSTART

LEARN Tutorial

Recommended for you

Introduction to Vertex AI Workbench

Help document

Vertex AI Workbench lets you perform your data science workflow in a JupyterLab notebook-based development environment.

Create a new Vertex AI Workbench instance

Help document

Create a new Vertex AI Workbench instance with the latest machine learning and data science libraries installed.

Query data in BigQuery from within JupyterLab

Help document

Access BigQuery data without leaving the JupyterLab interface.

Use cases for Vertex AI

Help document

Explore use cases, best practices, and industry solutions.

Terraform samples

Help document

See examples of using Terraform to create Vertex AI resources.

Architecture guides for AI and machine learning

Help document

Access best practices and reference.

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Enter property name or value

Instance name

Zone

Environment

Machine type

GPUs

Owner

Last modified

instance-1730453995

OPEN JUPYTERLAB

us-central1-a

NumPy/SciPy/scikit-learn

1 vCPUS, 3.75 GB RAM

None

572991110110-compute@developer.gserviceaccount.com

-

LEARN Tutorial

Create a user-managed notebooks instance

Learn how to:

1. Enable the Notebooks API in a Google Cloud project.

2. Navigate to Vertex AI Workbench user-managed notebooks.

3. Create a user-managed notebooks instance.

4. Open JupyterLab.

Estimated time to complete:

5 minutes

To get started, click **Start**.

How to use this tutorial

Spotlights will highlight an element.

copies the code snippet to clipboard.

copies the code snippet into Cloud Shell.

You can view this guide again from the **menu**.

START

Google Cloud

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Compute Engine

VM instances

CREATE INSTANCE

IMPORT VM

REFRESH

Virtual machines

VM instances

Instance templates

Sole-tenant nodes

Machine images

TPUs

Committed use discounts

Reservations

Migrate to Virtual Machin...

Storage

Disks

Storage Pools

Snapshots

Images

Async Replication

Instance groups

Marketplace

Release Notes

INSTANCES

OBSERVABILITY

INSTANCE SCHEDULES

Your project's VMs use global DNS names by default. To reduce the risk of cross-regional outages, we recommend you use zonal DNS instead. [Learn more](#)

USE ZONAL DNS

DISMISS

VM instances

Filter Enter property name or value

Status	Name	Zone	Recommendations	In use by	Internal IP	External IP	Connect
<input type="checkbox"/>	instance-1730483995	us-central1-a			10.128.0.7 (nic0)	34.68.164.133 (nic0)	SSH

Related actions

Explore Backup and DR

View billing report

Monitor VMs

Explore VM logs

Set up firewall rules

Patch management

Load balance between VMs

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START

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Filter Enter property name or value

Instance name	Zone	Environment	Machine type	GPUs	Owner	Last modified
instance-1730483995	us-central1-a	NumPy/SciPy/scikit-learn	1 vCPUs, 3.75 GB RAM	None	572991110110-compute@developer.gserviceaccount.com	-

LEARN Tutorial

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copies the code snippet to clipboard.

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START

File Edit View Run Kernel Git Tabs Settings Help

Launcher

Filter files by name

Name Last Modified

mod5_spar... 23 days ago

mod5_spar... 19 minutes ago

Notebook

Python 3 (local)

Console

Python 3 (local)

Other

Terminal Text File Markdown File Python File Show Contextual Help

Dataprof Serverless Notebooks

New Runtime Template

Dataprof Resources

Would you like to receive official Jupyter news?
Please read the privacy policy.

Open privacy policy Yes No

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Search

Cloud Storage

Bucket details

hha504-assignment-dbs

Location: us-east1 (South Carolina) Storage class: Standard Public access: Not public Protection: Soft Delete, Object versioning

OBJECTS CONFIGURATION PERMISSIONS PROTECTION LIFECYCLE OBSERVABILITY INVENTORY REPORTS OPERATIONS

Folder browser

hha504-assignment-dbs

CREATE FOLDER UPLOAD TRANSFER DATA OTHER SERVICES

Filter by name prefix only Filter Filter objects and folders

Show Live objects only

Name	Size	Type	Created	Storage class	Last modified	Public access	Version history
bash_logout	220 B	application/octet-stream	Nov 1, 2024, 2:12:35 PM	Standard	Nov 1, 2024, 2:12:35 PM	Not public	—
bashrc	4.1 KB	application/octet-stream	Nov 1, 2024, 2:12:35 PM	Standard	Nov 1, 2024, 2:12:35 PM	Not public	—
config/	—	Folder	—	—	—	—	—
docker/	—	Folder	—	—	—	—	—
gauth/	—	Folder	—	—	—	—	—
profile	807 B	application/octet-stream	Nov 1, 2024, 2:12:37 PM	Standard	Nov 1, 2024, 2:12:37 PM	Not public	—
Untitled.ipynb	3.1 KB	application/octet-stream	Nov 1, 2024, 11:42:57 PM	Standard	Nov 1, 2024, 11:42:57 PM	Not public	18 noncur
folderA/	—	Folder	—	—	—	—	—
hello.mp3	66.5 KB	audio/mpeg	Nov 1, 2024, 11:30:28 PM	Standard	Nov 1, 2024, 11:30:28 PM	Not public	1 noncur
mod5_sparcs_descriptive_2022.py	5 KB	text/x-python	Oct 9, 2024, 4:06:41 PM	Standard	Nov 1, 2024, 2:12:37 PM	Not public	—

Marketplace

Release Notes

Google Cloud

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Cloud Storage

Bucket details

Overview

Buckets

Monitoring

Settings

This bucket is not publicly accessible. If you know objects should never be exposed on the public internet, you should also prevent public access to this bucket. [Learn more](#)

66 days left to change this setting

PREVENT PUBLIC ACCESS

SWITCH TO FINE-GRAINED

Permissions

VIEW BY PRINCIPALS

VIEW BY ROLES

GRANT ACCESS

REMOVE ACCESS

Filter

Type	Principal	Name
	57289111010@cloudbuild.gserviceaccount.com	Legacy Cloud Build Service Account
	Editors of project: miaoxuan-zhang-hha504	
	Owners of project: miaoxuan-zhang-hha504	
	service-57289111010@compute-system.iam.gserviceaccount.com	Compute Engine Service Agent
	service-57289111010@containerregistry.iam.gserviceaccount.com	Google Container Registry Service Agent
	service-57289111010@gcf-admin-robot.iam.gserviceaccount.com	Google Cloud Functions Service Agent
	service-57289111010@gcp-sa-cloudbuild.iam.gserviceaccount.com	Cloud Build Service Agent
	service-57289111010@serverless-robot-prod.iam.gserviceaccount.com	Google Cloud Run Service Agent
	Viewers of project: miaoxuan-zhang-hha504	

Grant access to "hha504-assignment-dbs"

Grant principals access to this resource and add roles to specify what actions the principals can take. Optionally, add conditions to grant access to principals only when a specific criteria is met. [Learn more about IAM conditions](#)

Resource

hha504-assignment-dbs

Add principals

Principals are users, groups, domains, or service accounts. [Learn more about principals in IAM](#)

New principals *

allUsers

Assign roles

Roles are composed of sets of permissions and determine what the principal can do with this resource. [Learn more](#)

Role *

Storage Object Viewer

IAM condition (optional)

Grants access to view objects and their metadata, excluding ACLs. Can also list the objects in a bucket.

ADD ANOTHER ROLE

SAVE

CANCEL

Google Cloud

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Get started with Vertex AI

Vertex AI empowers machine learning developers, data scientists, and data engineers to take their projects from ideation to deployment, quickly and cost-effectively. [Learn more about Vertex AI](#)

ENABLE ALL REQUIRED APIS

Enable required APIs

To use Colab Enterprise, you need to enable the following APIs.

Vertex AI API

Dataform API

Compute Engine API

Not enabled

Enabled

Enabled

SEND FEEDBACK

CANCEL

ENABLE

Tutorials

Learn how to use generative AI, Gemini, and more on Vertex AI.

VIEW TUTORIALS

Vertex AI Studio

Prompt, test and tune generative AI models like Gemini.

Try now

Model Garden

Browse, customize, and deploy machine learning models. Choose from Google or popular open-source models.

Try now

Colab Enterprise

A new notebook experience with enterprise-grade privacy and security. Start coding in a couple clicks.

Go to Colab Enterprise

Prepare Data

Model Development

Deploy & Use

Recommended for you

Generative AI

Generative AI overview

Help document

Get started with generative AI on Vertex AI

Try the Gemini API

Help document

Start sending requests to the Vertex AI Gemini API

Google foundation models

Help document

Learn more about Google foundation models

Tutorials

Interactive tutorials

Tutorial

Learn how to write prompts, tune and evaluate LLM models and more

SDK/API reference

Client libraries

Help document

Client libraries provide an optimized developer experience for calling the Vertex AI API.

REST reference

Help document

Learn more about Vertex AI REST resources.

Support

Documentation

Google Cloud Miaoxuan-Zhang-Nha504 ver Search

Colab Enterprise

NOTEBOOKS RUNTIMES RUNTIME TEMPLATES EXECUTIONS SCHEDULES

Files + - +

MY NOTEBOOKS SHARED WITH ME

Region us-central1 (Iowa)

Filter Filter by notebook

No notebooks yet.

Welcome to Colab Enterprise

Quick actions

- Create notebook
- Import notebooks from Cloud Storage
- Import notebooks from URLs
- Import notebooks

Sample notebooks

- Getting started with Gemini Pro
Use the Vertex AI Gemini API with the Vertex AI SDK for Python to interact with the Gemini 1.0 Pro model
- Model evaluation: custom tabular regression
Evaluate batch prediction results from a custom tabular classification model with Vertex AI Pipelines
- Tuning Gemini Pro
Use the Vertex AI SDK to tune the Gemini Pro model and make a prediction
- Ray cluster management
Use Ray on Vertex AI SDK for cluster management

Getting started with Gemini 1.5 Flash

Analyze text, images, audio, and video with the multimodal Gemini 1.5 Flash model

Google Cloud Miaoxuan-Zhang-Nha504 API Search

APIs & Services API/Service Details DISABLE API

Enabled APIs & services

Library

Credentials

OAuth consent screen

Page usage agreements

Cloud Speech-to-Text API

Converts audio to text by applying powerful neural network models.

By Google Enterprise API

Service name speech.googleapis.com Type Public API Status Enabled Documentation LEARN MORE Explore TRY IN API EXPLORER Support MAINTENANCE & SUPPORT

METRICS QUOTAS & SYSTEM LIMITS CREDENTIALS COST DATA LOGGING

Select Graphs 4 Graphs

1 hour 6 hours 12 hours 1 day 2 days 4 days 7 days 14 days 30 days

Filters: Versions v1, v1p1beta1, and v2 Credentials App Engine default service... Methods 56 options selected

Traffic by response code

No data is available for the selected time frame.

Errors by API method

Google Cloud | Miaoxuan-Zhang-nha504 | API | Search

Colab Enterprise

NOTEBOOKS | RUNTIMES | RUNTIME TEMPLATES | EXECUTIONS | SCHEDULES

Files | MY NOTEBOOKS | SHARED WITH ME

Region: us-central1 (Iowa)

Filter: Filter by notebook

intro_gemin_1_5_flash.pyrb
miaoxuan.zhang (Nov 2, 2024, 8:58:54 PM)

Code | Text | Commands

```
[4] def transcribe_gcs(gcs_uri):
    """Transcribes audio file specified by the gcs_uri."""
    client = speech.SpeechClient()

    audio = speech.RecognitionAudio(uri=gcs_uri)
    config = speech.RecognitionConfig(
        encoding=speech.RecognitionConfig.AudioEncoding.MP3,
        sample_rate_hertz=16000,
        language_code="en-US"
    )

    response = client.recognize(config=config, audio=audio)

    for result in response.results:
        print("Transcript: {}".format(result.alternatives[0].transcript))

gcs_uri = "gs://hha504-assignment-dbs/hello.mp3"
transcribe_gcs(gcs_uri)
```

PermissionDenied: Traceback (most recent call last)
<ipython-input-4-15e052ad1d00> in <cell line: 21>()
19
20 gcs_uri = "gs://hha504-assignment-dbs/hello.mp3"
--> 21 transcribe_gcs(gcs_uri)

8 frames
/usr/local/lib/python3.10/dist-packages/google/api_core/grpc_helpers.py in error_remapped_callable(*args, **kwargs)
76 return callable(*args, **kwargs)
77 except grpc.RpcError as exc:
--> 78 raise exceptions.from_grpc_error(exc) from exc

Connected to miaoxuan-zhang - Default | Region: us-central1

Google Cloud | Miaoxuan-Zhang-nha504 | API | Search

Colab Enterprise

NOTEBOOKS | RUNTIMES | RUNTIME TEMPLATES | EXECUTIONS | SCHEDULES

Files | MY NOTEBOOKS | SHARED WITH ME

Region: us-central1 (Iowa)

Filter: Filter by notebook

intro_gemin_1_5_flash.pyrb
miaoxuan.zhang (Nov 2, 2024, 8:58:54 PM)

Code | Text | Commands

```
[4] .....  
PermissionDenied: Traceback (most recent call last)  
<ipython-input-4-15e052ad1d00> in <cell line: 21>()  
19  
20 gcs_uri = "gs://hha504-assignment-dbs/hello.mp3"  
--> 21 transcribe_gcs(gcs_uri)
```

8 frames
/usr/local/lib/python3.10/dist-packages/google/api_core/grpc_helpers.py in error_remapped_callable(*args, **kwargs)
76 return callable(*args, **kwargs)
77 except grpc.RpcError as exc:
--> 78 raise exceptions.from_grpc_error(exc) from exc
79
80 return error_remapped_callable

PermissionDenied: 403 Cloud Speech-to-Text API has not been used in project 1057398310658 before or it is disabled. Enable it by visiting <https://console.developers.google.com/apis/api/speech.googleapis.com/overview?project=1057398310658> then retry. If you enabled this API recently, wait a few minutes for the action to propagate to our systems and retry. [links { description: "Google developers console API activation" url: "https://console.developers.google.com/apis/api/speech.googleapis.com/overview?project=1057398310658" }]
, reason: "SERVICE_DISABLED"
domain: "googleapis.com"
metadata {
 key: "consumer"
 value: "projects/1057398310658"
}
 metadata {
 key: "service"
 value: "speech.googleapis.com"
 }
}

SEARCH STACK OVERFLOW

Connected to miaoxuan-zhang - Default | Region: us-central1

Google Cloud Miaoxuan-ZhangNha504 Search (/) for resources, docs, products, and more Search

Colab Enterprise

NOTEBOOKS RUNTIMES RUNTIME TEMPLATES EXECUTIONS SCHEDULES

Files + Code + Text + Commands All changes saved

76 return caccwawc, "args": "xargs")
 77 except grpc.RpcError as exc:
 78 raise exceptions.from_grpc_error(exc) from exc
 79
 80 return error_remapped_callable

PermissionDenied: 403 Cloud Vision API has not been used in project 1057398318658 before or it is disabled. Enable it by visiting <https://console.developers.google.com/apis/api/vision.googleapis.com/overview?project=1057398318658> then retry. If you enabled this API recently, wait a few minutes for the action to propagate to our systems and retry. [links { description: "Google developers console API activation" url: "https://console.developers.google.com/apis/api/vision.googleapis.com/overview?project=1057398318658" }]
 reason: "SERVICE_DISABLED"
 domain: "googleapis.com"
 metadata {
 key: "consumer"
 value: "projects/1057398318658"
 }
 metadata {
 key: "service"
 value: "vision.googleapis.com"
 }
}


SEARCH STACK OVERFLOW

completed at 1:40 AM


Microsoft Azure Search resources, services, and docs (G+7) Copilot Miaoxuan.Zhang@ston... STONY BROOK UNIVERSITY

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 Manage access, set smart policies, and enhance security with Microsoft Entra ID.
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Access student benefits
 Get free software, Azure credit, or access Azure Dev Tools for Teaching after you verify your academic status.
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It seems I can not access free trial