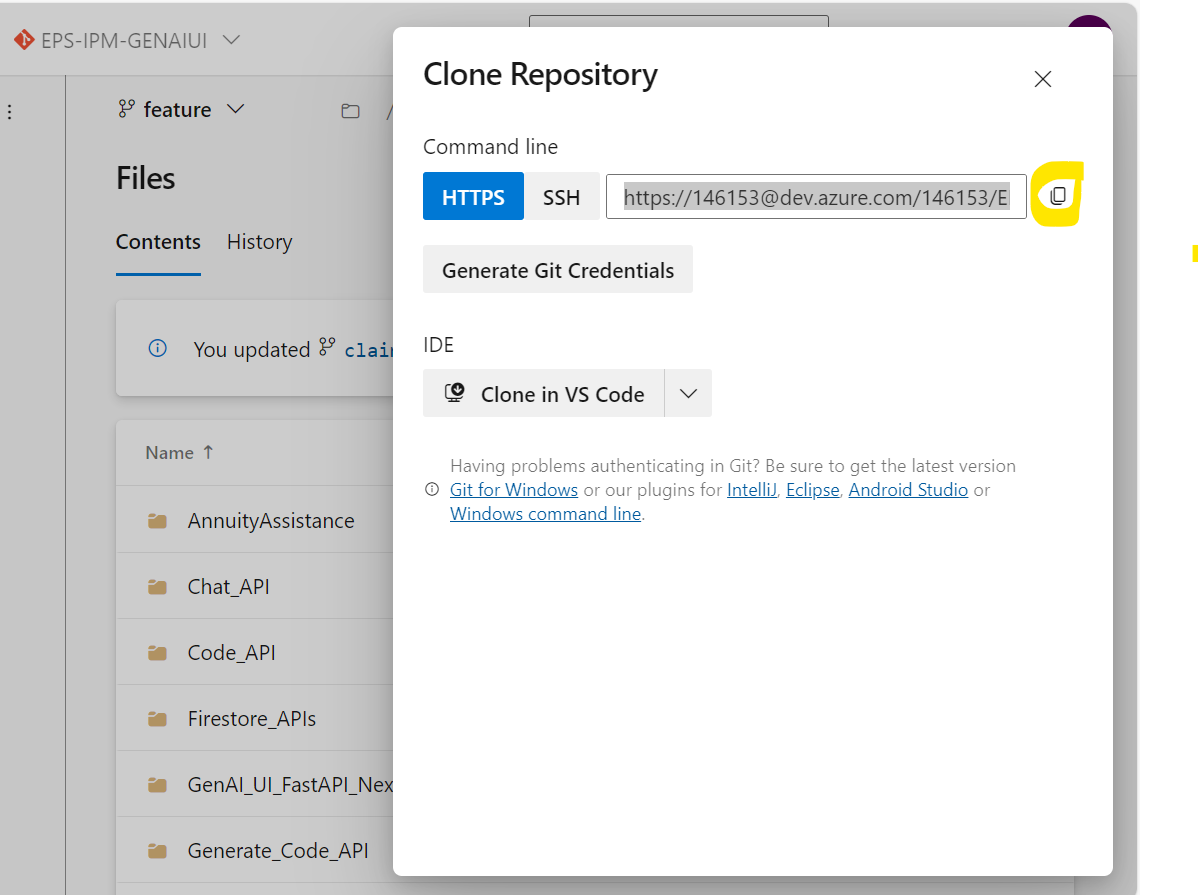
**Clone the Existing repository:**

A screenshot of a computer

Description automatically generated

**To Clone copy the command line:**



Open Git GUI and paste (copied from repository) in source location:

In Target Directory give the folder from your local file system:

A screenshot of a computer

Description automatically generated

Click on Clone button:

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A white rectangular object with a white border

Description automatically generated

Now you will see current Branch as master:

A screenshot of a computer

Description automatically generated

Create a new branch in your local:

A screenshot of a computer

Description automatically generated

Add Name and select Tracking Branch, it will display all branches.  
Select feature branch and click on Create

A screenshot of a computer

Description automatically generated

Fetches feature branch

A white rectangular frame with a white border

Description automatically generated

Current will change now to feature

A screenshot of a computer

Description automatically generated

Click on Branch->checkout

A screenshot of a computer

Description automatically generated

Select local branch which you have created and click checkout

A screenshot of a computer

Description automatically generated

You will see code at the file folder which you have given.

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**Docker Login:**

Login to Docker Desktop

A screenshot of a computer

Description automatically generated

**Cloud login**

Open Google Cloud SDK Shell and enter the command -> **gcloud init**

**A screenshot of a computer

Description automatically generated**

for initial setup we have to give option **1)**Re-initialize this configuration with new settings

A black screen with white text

Description automatically generated

Network checks will happen if any proxy setup required question is asked (Y/n) please select with **N** and proceed (when working on office LAN)

For initial setup if your account was not displayed go for option 2 Popup will be opened in default browser and you will be signed into your account.

A computer screen with white text

Description automatically generated

Once you are logged into your account the available project will be displayed please pick the relevant project option to finish Google cloud configuration setup

A screenshot of a computer screen

Description automatically generated

Once configuration setup is completed.

Enter the command -> gcloud auth application-default login

You will requested to sign again (pop up will opened in default browser)

Which will get all the necessary authentication details to your local system to be used when you are accessing google cloud resources.

A black screen with white text

Description automatically generated

**Post cloud login**

Open Vscode with Api which you want to deploy and run build commands in terminal.

A screenshot of a computer

Description automatically generated

docker buildx build --platform linux/amd64 -t ipm\_vextexai\_code\_api\_dev .

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

gcloud auth configure-docker us-central1-docker.pkg.dev

A screenshot of a computer program

Description automatically generated

docker tag ipm\_vextexai\_code\_api\_dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/ipm\_vextexai\_code\_api\_dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/ipm\_vextexai\_code\_api\_dev:latest

A screen shot of a computer program

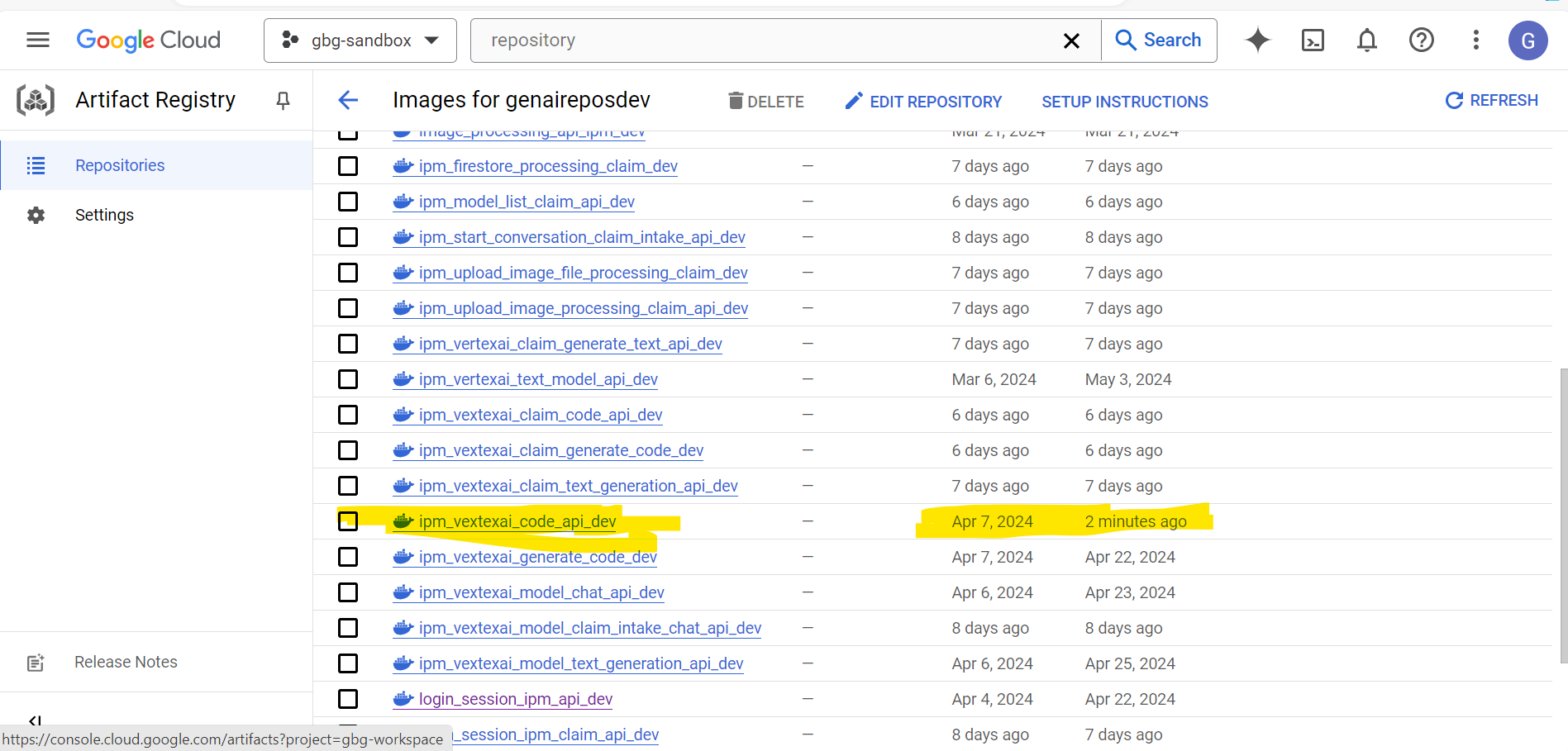
Description automatically generated

A black screen with white text

Description automatically generated

Open Artifact repository in Cloud Console, you will see the image that is built.

https://console.cloud.google.com



Go to Cloud run, to check the services.

A screenshot of a computer

Description automatically generated

Click on the service that you are deploying and click on EDIT &DEPLOY NEW REVISION

A screenshot of a computer

Description automatically generated

Click on select at Edit Container

A screenshot of a computer

Description automatically generated

You will see all the repositories, Select genaireposdev

A screenshot of a computer

Description automatically generated

After expanding genaireposdev you will see all the API’s deployed in that respository

A screenshot of a computer

Description automatically generated

**Select the image that is built**

A screenshot of a phone

Description automatically generated

Check for minimum number of instances and click on deploy.

A screenshot of a computer

Description automatically generated

Once it is deployed you will see the deployed revision.

A screenshot of a computer

Description automatically generated

**List Models:**

docker buildx build --platform linux/amd64 -t model\_list\_ipm\_api\_dev .

gcloud auth configure-docker us-central1-docker.pkg.dev

docker tag model\_list\_ipm\_api\_dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/model\_list\_ipm\_api\_dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/model\_list\_ipm\_api\_dev:latest

**Login Session:**

docker buildx build --platform linux/amd64 -t login\_session\_ipm\_api\_dev .

gcloud auth configure-docker us-central1-docker.pkg.dev

docker tag login\_session\_ipm\_api\_dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/login\_session\_ipm\_api\_dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/login\_session\_ipm\_api\_dev:latest

**Text Generation:**

docker buildx build --platform linux/amd64 -t ipm\_vextexai\_model\_text\_generation\_api\_dev .

gcloud auth configure-docker us-central1-docker.pkg.dev

docker tag ipm\_vextexai\_model\_text\_generation\_api\_dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/ipm\_vextexai\_model\_text\_generation\_api\_dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/ipm\_vextexai\_model\_text\_generation\_api\_dev:latest

**Generate Text:**

docker buildx build --platform linux/amd64 -t ipm\_vertexai\_text\_model\_api\_dev .

gcloud auth configure-docker us-central1-docker.pkg.dev

docker tag ipm\_vertexai\_text\_model\_api\_dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/ipm\_vertexai\_text\_model\_api\_dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/ipm\_vertexai\_text\_model\_api\_dev:latest

**Firestore API:**

docker buildx build --platform linux/amd64 -t firestore\_processing\_ipm\_dev .

gcloud auth configure-docker us-central1-docker.pkg.dev

docker tag firestore\_processing\_ipm\_dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/firestore\_processing\_ipm\_dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/firestore\_processing\_ipm\_dev:latest

**Chat API:**

docker buildx build --platform linux/amd64 -t ipm\_vextexai\_model\_chat\_api\_dev .

gcloud auth configure-docker us-central1-docker.pkg.dev

docker tag ipm\_vextexai\_model\_chat\_api\_dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/ipm\_vextexai\_model\_chat\_api\_dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/ipm\_vextexai\_model\_chat\_api\_dev:latest

**Start Conversation:**

docker buildx build --platform linux/amd64 -t vextexai\_model\_api\_chat\_ipm\_dev .

gcloud auth configure-docker us-central1-docker.pkg.dev

docker tag vextexai\_model\_api\_chat\_ipm\_dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/vextexai\_model\_api\_chat\_ipm\_dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/vextexai\_model\_api\_chat\_ipm\_dev:latest

**Upload\_Image\_Base64\_Processing**

docker buildx build --platform linux/amd64 -t upload\_image\_file\_ipm\_dev .

gcloud auth configure-docker us-central1-docker.pkg.dev

docker tag upload\_image\_file\_ipm\_dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/upload\_image\_file\_ipm\_dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/upload\_image\_file\_ipm\_dev:latest

**Image\_File\_Processing\_API**

docker buildx build --platform linux/amd64 -t upload-image-processing-api-ipm-dev .

gcloud auth configure-docker us-central1-docker.pkg.dev

docker tag upload-image-processing-api-ipm-dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/upload-image-processing-api-ipm-dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/upload-image-processing-api-ipm-dev:latest

**Code API:**

docker buildx build --platform linux/amd64 -t ipm\_vextexai\_code\_api\_dev .

gcloud auth configure-docker us-central1-docker.pkg.dev

docker tag ipm\_vextexai\_code\_api\_dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/ipm\_vextexai\_code\_api\_dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/ipm\_vextexai\_code\_api\_dev:latest

**Generate Code:**

docker buildx build --platform linux/amd64 -t ipm\_vextexai\_generate\_code\_dev .

gcloud auth configure-docker us-central1-docker.pkg.dev

docker tag ipm\_vextexai\_generate\_code\_dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/ipm\_vextexai\_generate\_code\_dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/ipm\_vextexai\_generate\_code\_dev:latest

**UI Commands:**

docker buildx build --platform linux/amd64 -t genainextjsuiipm\_dev .

docker tag genainextjsuiipm\_dev us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/genainextjsuiipm\_dev

docker push us-central1-docker.pkg.dev/gbg-workspace/genaireposdev/genainextjsuiipm\_dev:latest