

Access Instructions

1. Install the Google CLI
<https://cloud.google.com/sdk/docs/install>
2. Authenticate with `gcloud auth application-default login` command - use your griddynamics email and gd-gcp-gridu-genai project.

If done right, the tab should open saying that

You are now authenticated with the gcloud CLI!

3. Install the [Google GenAI SDK](#) [preferential] or [Vertex Generative AI SDK](#)
4. Try running the minimal example

[if you previously chose to use [Google GenAI SDK](#) and installed google-genai]

```
from google import genai

if __name__ == '__main__':
    client = genai.Client(
        vertexai=True,
        project='gd-gcp-gridu-genai',
        location='us-central1'
    )

    response = client.models.generate_content(
        model='gemini-2.0-flash-001', contents='Why is sky blue?'
    )
    print(response.text)
```

OR

[if you previously chose to use [Vertex Generative AI SDK](#) and installed google-cloud-aiplatform]

```
import vertexai
vertexai.init(project='gd-gcp-gridu-genai', location='us-central1')

if __name__ == '__main__':
    from vertexai.generative_models import GenerativeModel

    model = GenerativeModel("gemini-2.0-flash-001")
    response = model.generate_content("Why is sky blue?")
```

```
print(response.text)
```

The answer should be a valid Gemini response

Quick Fix Guide: Google Cloud SDK Installation Permission Problems

Scenario 1: Error writing to ~/ .config/gcloud

Symptom: Installation fails with `PermissionError: [Errno 13] Permission denied: .../.config/gcloud/config_sentinel.`

Cause: The `~/ .config` or `~/ .config/gcloud` directory is owned by root.

Verify `ls -ld ~/ .config` (Look for root as the owner).

Solution:

1. Change ownership (replace `your_username` with your actual username):
Bash

```
sudo chown -R your_username:staff ~/ .config
```

2. Retry the SDK installation step.

Scenario 2: Failed to update shell file (e.g., ~/ .zshrc) & gcloud: command not found

Symptom:

- Installer warns: "Could not update /Users/your_username/.zshrc. Ensure you have write access..."
- Later, typing `gcloud` gives `zsh: command not found: gcloud`.

Cause: Your shell's startup file (e.g., `~/ .zshrc`, `~/ .bash_profile`) is owned by root, so the installer couldn't add `gcloud` to your PATH.

Verify `ls -l ~/ .zshrc # Or your shell's specific rc file` (Look for root as the owner).

Solution:

- **Fix ownership** (replace your_username and adjust ~/ .zshrc if using a different shell file): sudo chown your_username:staff ~/ .zshrc
- **Manually add SDK paths to the rc file.** (*Assuming your SDK is at /Users/your_username/google-cloud-sdk/. Adjust path if different.*) Add these lines to your ~/ .zshrc (or equivalent):

None

```
echo '' >> ~/.zshrc
echo '# Google Cloud SDK Config' >> ~/.zshrc
echo 'export
PATH="/Users/your_username/google-cloud-sdk/bin:$PATH"' >>
~/.zshrc
echo 'if [ -f
"/Users/your_username/google-cloud-sdk/path.zsh.inc" ]; then .
"/Users/your_username/google-cloud-sdk/path.zsh.inc"; fi' >>
~/.zshrc
echo 'if [ -f
"/Users/your_username/google-cloud-sdk/completion.zsh.inc" ];
then .
"/Users/your_username/google-cloud-sdk/completion.zsh.inc"; fi'
>> ~/.zshrc
```

- **Apply changes** to your current terminal session: source ~/ .zshrc # Or close and reopen your terminal
- **Test gcloud**