

Tutorial: Locating Your Google Earth Engine Project ID

1. Prerequisites

- A Google account with GCP access
- (Optional) gcloud CLI installed & authenticated

2. Create or Select a GCP Project

2.1 Go to <https://console.cloud.google.com/>

2.2 Click the project dropdown → NEW PROJECT or select existing

2.3 If creating: enter Name (e.g. my-gee-project) → CREATE

3. Enable the Earth Engine API

3.1 In left menu: APIs & Services → Library

3.2 Search 'Earth Engine API' → select → ENABLE

4. Locate Your Project ID

4.1 Via GCP Console UI:

- Click project dropdown
- Copy the immutable 'Project ID' (e.g. my-gee-project-123456)

4.2 Via gcloud CLI:

```
$ gcloud auth login
$ gcloud config set project YOUR_PROJECT_ID
$ gcloud config list --format="value(core.project)"
```

5. Use Your Project ID in Code

Example (Python):

```
-----
import ee
from google.oauth2 import service_account
import json, os

# Load service account JSON
svc = json.loads(os.environ['EE_SERVICE_ACCOUNT'])
# Create credentials
creds = service_account.Credentials.from_service_account_info(
    svc,
    scopes=[
        'https://www.googleapis.com/auth/earthengine',
        'https://www.googleapis.com/auth/cloud-platform'
    ]
)
ee.Initialize(credentials=creds, project='YOUR_PROJECT_ID')
-----
```

6. Troubleshooting

- Ensure API is enabled on your Project ID
- Grant roles/serviceusage.serviceUsageConsumer
- Grant roles/earthengine.admin or resourceOwner
- Wait a few minutes for IAM propagation

End of Tutorial