**✅ Step-by-Step: Access Google Admin Console via REST APIs in GCP (Python + Service Account)**

**🔧 Step 1: Enable APIs**

In your GCP project, go to **APIs & Services > Library**, and enable the following:

* **Admin SDK API**
* **Cloud Identity API**

**🔐 Step 2: Set Up Authentication**

**🔹 Option: Service Account with Domain-Wide Delegation (Recommended for Automation)**

1. **Create a service account** in GCP.
2. **Enable Domain-Wide Delegation**:
   * Go to **IAM & Admin > Service Accounts > [Your Service Account] > Edit**.
   * Click **Show Domain-Wide Delegation**, check it, and save.
3. **Grant API Access** in Admin Console:
   * Go to **Admin Console > Security > API Controls > Domain-wide Delegation > Add New**.
   * Enter:
     + **Client ID** = your service account’s unique ID
     + **OAuth scopes** (comma-separated):

[https://www.googleapis.com/auth/admin.directory.user.readonly,

https://www.googleapis.com/auth/admin.directory.group.readonly,

https://www.googleapis.com/auth/cloud-identity.groups.readonly]

**💻 Step 3: Python Code Sample**

**Install required libraries:**

pip install google-api-python-client google-auth

**python Code  
A computer screen shot of a program

AI-generated content may be incorrect.**

**📚 Common REST Endpoints**

| **Purpose** | **API** | **Endpoint** |
| --- | --- | --- |
| **List Users** | Admin SDK | GET /admin/directory/v1/users |
| **Get User** | Admin SDK | GET /admin/directory/v1/users/{userKey} |
| **List Groups** | Cloud Identity | GET /v1/groups |
| **List Group Members** | Admin SDK | GET /admin/directory/v1/groups/{groupKey}/members |
| **Suspend a User** | Admin SDK | PATCH /admin/directory/v1/users/{userKey} with {suspended: true} |

**Use gcloud CLI for quick testing**

gcloud auth login --impersonate-service-account=admin@yourdomain.com

gcloud identity groups list