AI Deep Learning with TensorFlow & Keras on Google Cloud Platform (GCP)

Create Service Account for a GCP Project

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1. Overview

To make requests to the Natural Language API, the user needs to use a **Service Account**.

- A Service Account belongs to a particular project, and it is used by the Python client library to make Natural Language API requests.
- Like any other user accounts, a service account is represented by an email address.
- In this section, the user uses the Cloud SDK to create a service account and then create credentials he/she will need to authenticate as the service account.

First, the user needs to create a service account for a project.

2. Create Service Account for a GCP Project

Access Google Cloud Console

- Open Google Chrome browser
- Enter Google Cloud Console into the URL search text box
 - NOTES: Be sure click to select the correct link.

https://cloud.google.com > cloud-console

Google Cloud console - Web UI Admin

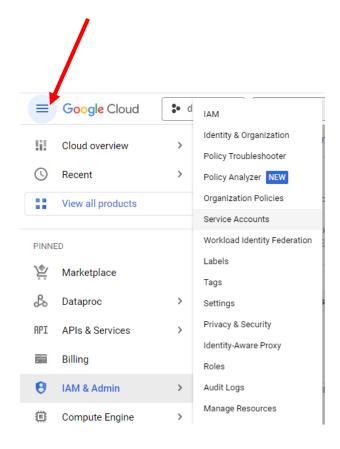
The Google Cloud console helps you deploy, scale, and diagnose production issues in a simple web-based interface. Search to quickly find resources and connect ...

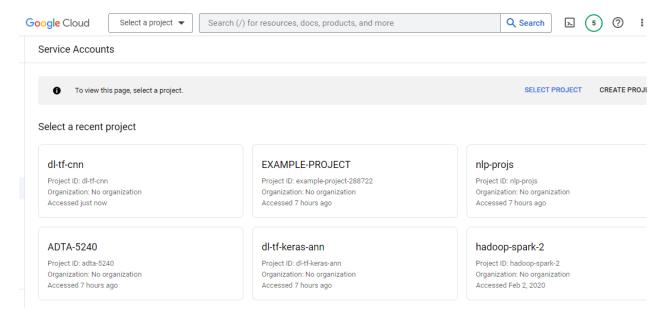
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Open IAM & Admin: Service Accounts page

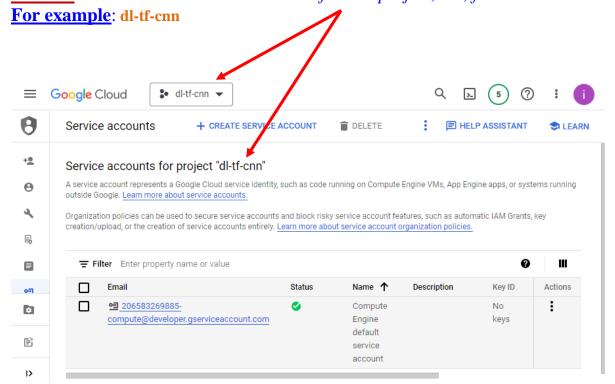
- Click Product and Services icon → Open a drop-down menu
- Click IAM & Admin → Open a drop-down menu
- Click to select: **Service Accounts**



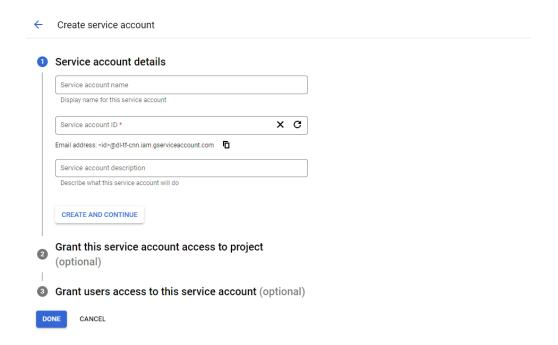


Click to select a project

NOTES: This service account is created for this project, i.e., for all its vm instances.

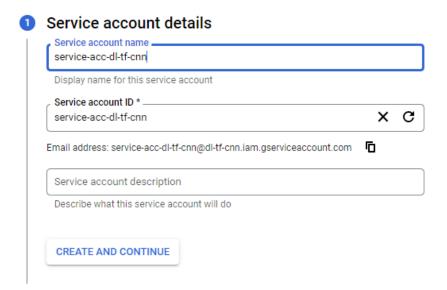


Click to start: + CREATE SERVICE ACCOUNT

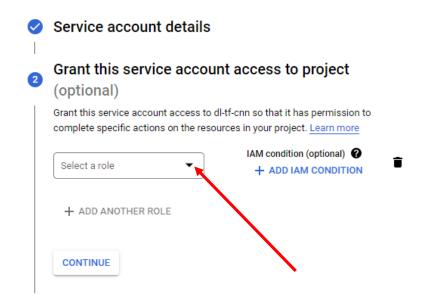


Enter: **Service account name For example**: service-acc-dl-tf-cnn

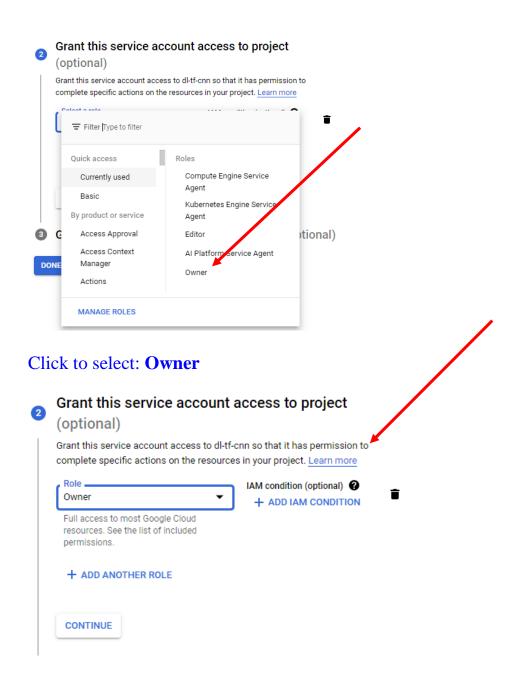
NOTES: The service account ID is automatically created. The user can change it at this step if he/she wants. Otherwise, the ID is set permanently.



Click to start: **CREATE AND CONTINUE**



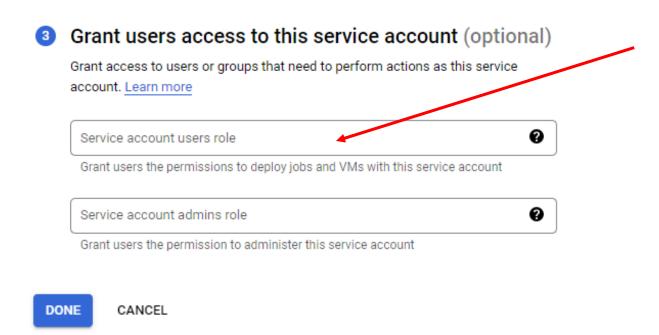
Click to open a menu: Select a role



IMPORTANT NOTES:

- --) The user should read the text.
- --) The service account has been granted with the permission to become the owner of this project, i.e., the owner of all the vm instances created for the project.
- --) In other word, this service account can be used to **authenticate** the permission and roles of the owner of any vm instances created for the project

Click: CONTINUE



Enter: The user's Gmail account

Grant users access to this service account (optional)

Grant access to users or groups that need to perform actions as this service account. Learn more

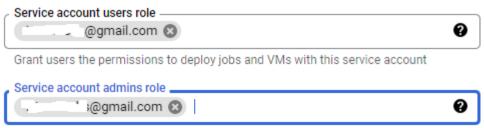


Grant users the permission to administer this service account

Enter: The user's **Gmail account**

Grant users access to this service account (optional)

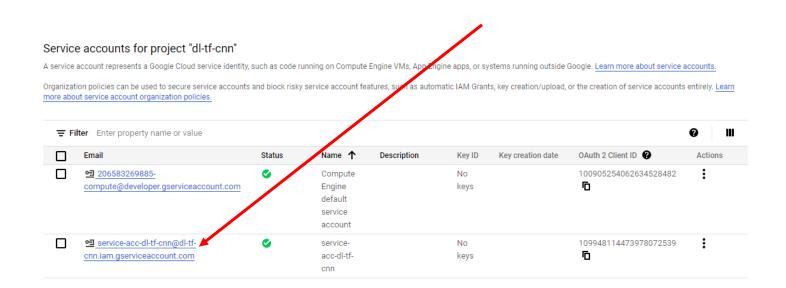
Grant access to users or groups that need to perform actions as this service account. Learn more



Grant users the permission to administer this service account



Click: **DONE**



IT'S DONE! SERVICE ACCOUNT HAS BEEN CREATED SUCCESSFULLY!