

GCP Cloud Security Engineer Exam Crash Course Lab 1

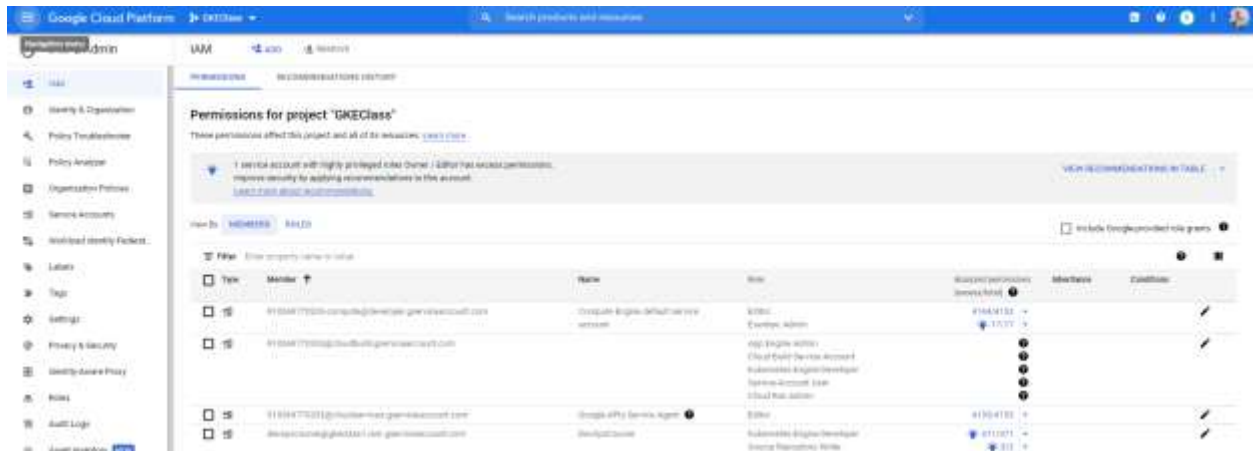
IAM

Create a New role with conditions and review Analyzed Permissions on other accounts.

Log in to your Google Cloud Platform Account

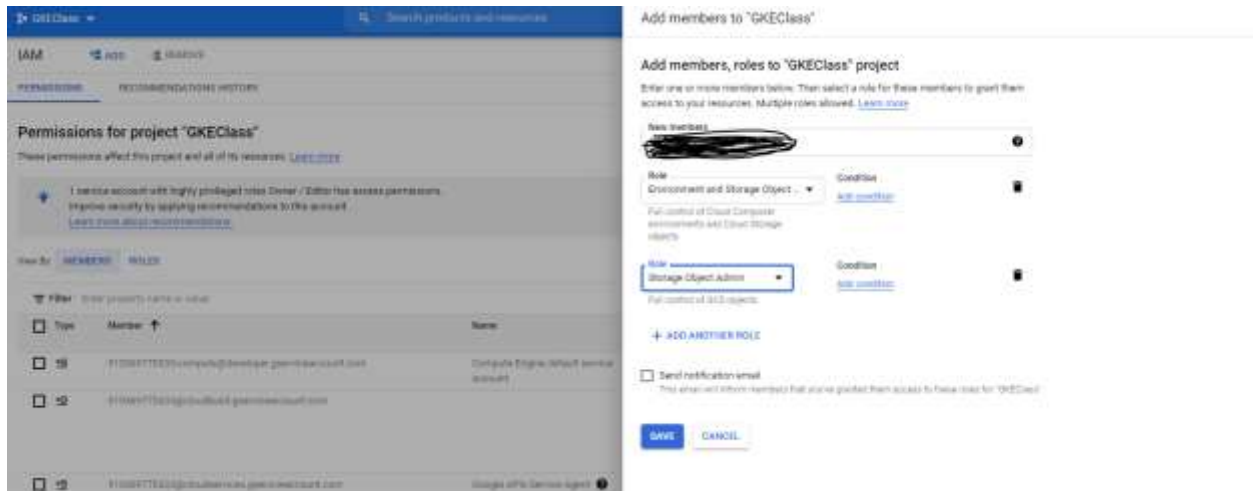
- Determine the project you will be creating credentials in.
- Click the IAM & Admin link in the left-hand navigation bar and select IAM from the context menu.
- Your IAM console should look similar to the one shown in

Figure 1 - IAM



Create a new set of IAM credentials and to set the accompanying role, click the “Add button”.

In **Figure 2**, the next screen will ask you to enter a member email address and then select a role(s). Take the liberty to select whatever



Before saving the role select the “Condition Builder” for a role and enter specific times for usage.

We want to limit login access to only 6am EST to 5PM EST.

Add a Title - Work Hours.

Select Condition Type. Time > Schedule > Day of Week > After 6 (6AM)

Select Condition Type. Time > Schedule > Day of Week > Before 17 (5PM)

Figure 3 – Condition Builder Menu Selecting the Condition Type

Edit condition

 DELETE

Resource

Title

Work Hours

Description

CONDITION BUILDER

CONDITION EDITOR

Condition type

X

Select condition type

Schedule

Day of Week

Resource

Expiring Access

Hour of Day

ADD

SAVE

CANCEL

Figure 4 - Enter Hour of Day and Time Zone here.

Edit condition

 DELETE

Resource

Title

Description

CONDITION BUILDER

CONDITION EDITOR

Condition type

Hour of Day

Operator

After

Hour of Day *

6

Choose a time zone

Eastern Daylight Time

AND

OR

Condition type

Hour of Day

Operator

Before

Hour of Day *

17

Choose a time zone

Eastern Daylight Time

ADD

SAVE

CANCEL

Now you can save the Condition.


When you are satisfied with the roles you have designated for a particular member, click the Save button to complete the process.

When you review the IAM console page, shown in **Figure 5**, you will see that a new or revised member, with a new role, has been added to the list.

You should also review the “Analyzed Permissions”. Note the new role will take a 90 days to update but for the exercise review other roles to see results for an idea of what the results are.

Analyzed permissions list the excess permissions not needed for this member. This was determined by analyzing 90 days of permissions utilization data using machine learning. Use the link to view the recommendation.



<input checked="" type="checkbox"/>				Environment and Storage Object Administrator Storage Object Admin	
<input type="checkbox"/>		fr-app-ea@gke/ass1.iam.gserviceaccount.com	HR App SA	App Engine Viewer	
<input type="checkbox"/>				BigQuery Data Viewer Dataflow Engine Cluster Admin Storage Object Creator	

END