Case study – 4

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Solution:

IAM policy operations:

- **Reading** the existing policy
- **Modifying** the policy
- **Writing** the entire policy

So the default policy will be always empty however when a user creates a new project, the IAM policy for the project automatically has a role binding that grants the Owner role.

Types of roles:

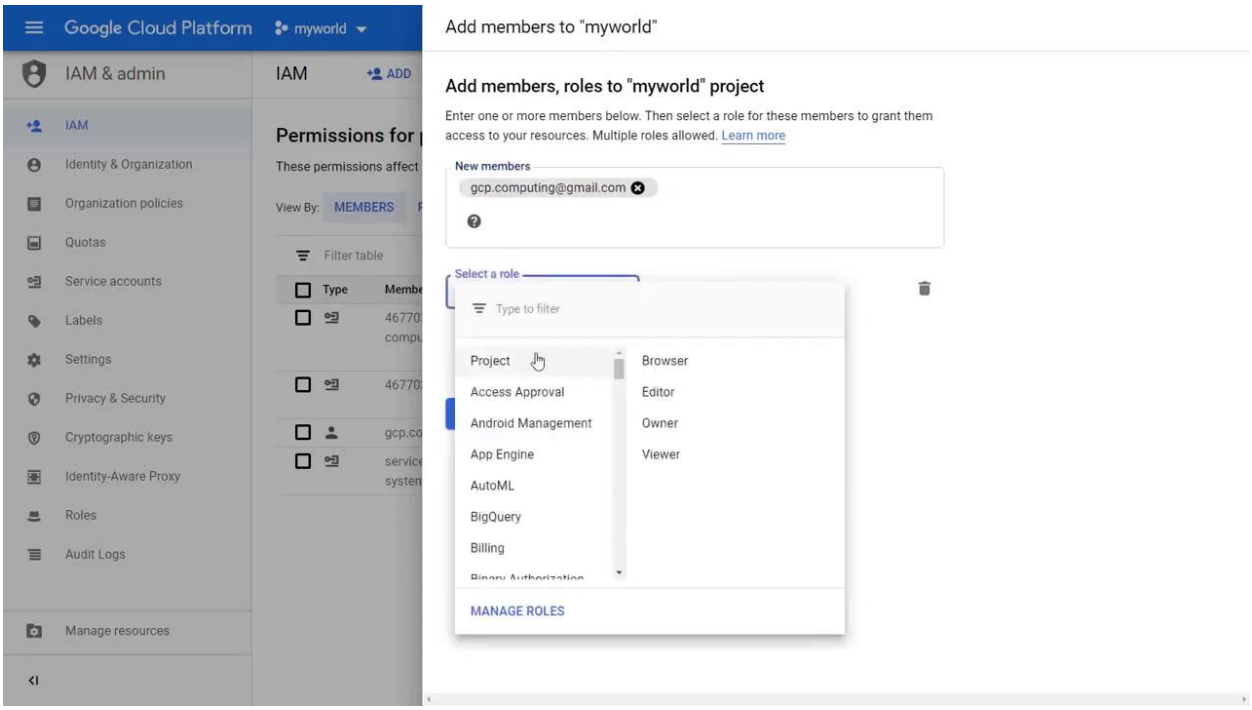
- Primitive Roles – owner, editor, viewer
- Predefined Roles - More granular level access
- Custom Roles – As per user requirement

So Robert has to create a viewer role that only viewing the data(read-only action), and another role is admin role and we can be called as an editor role that contains all viewer permissions and can change the things (modify GCP resources)

Service account:

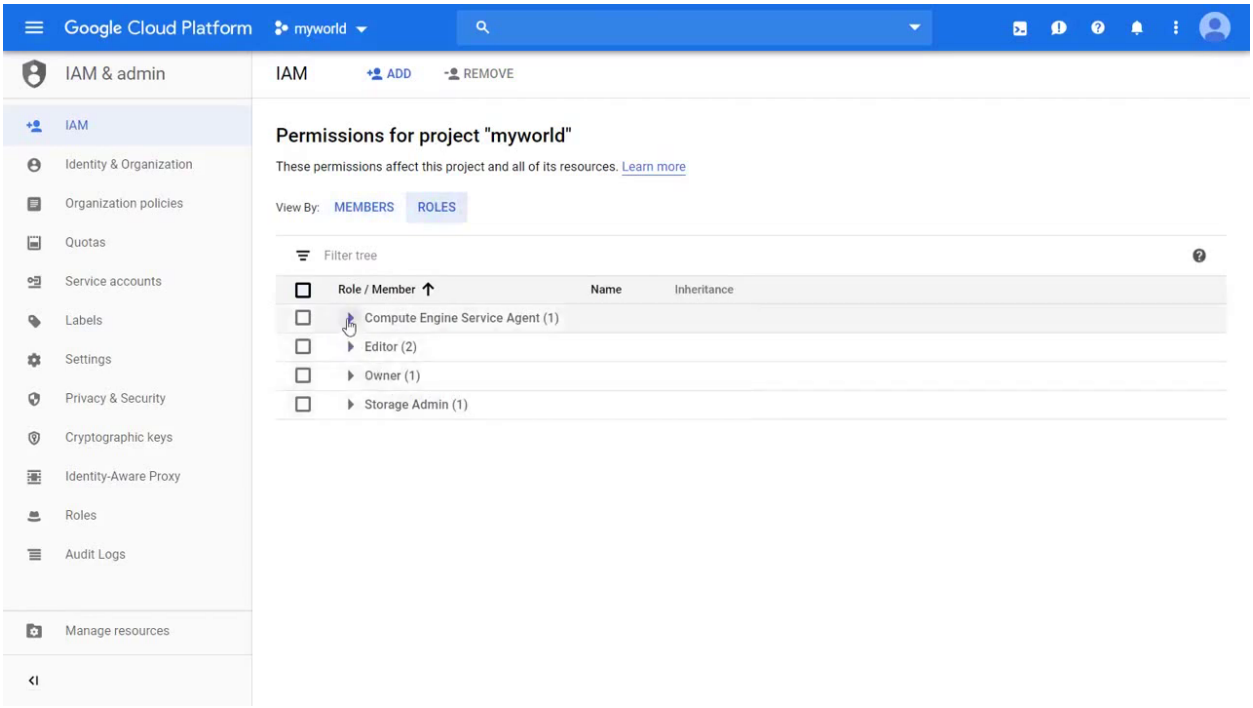
- One service to connect another without human intervention
- User to authenticate from one service to another

Step 1: Add an admin role

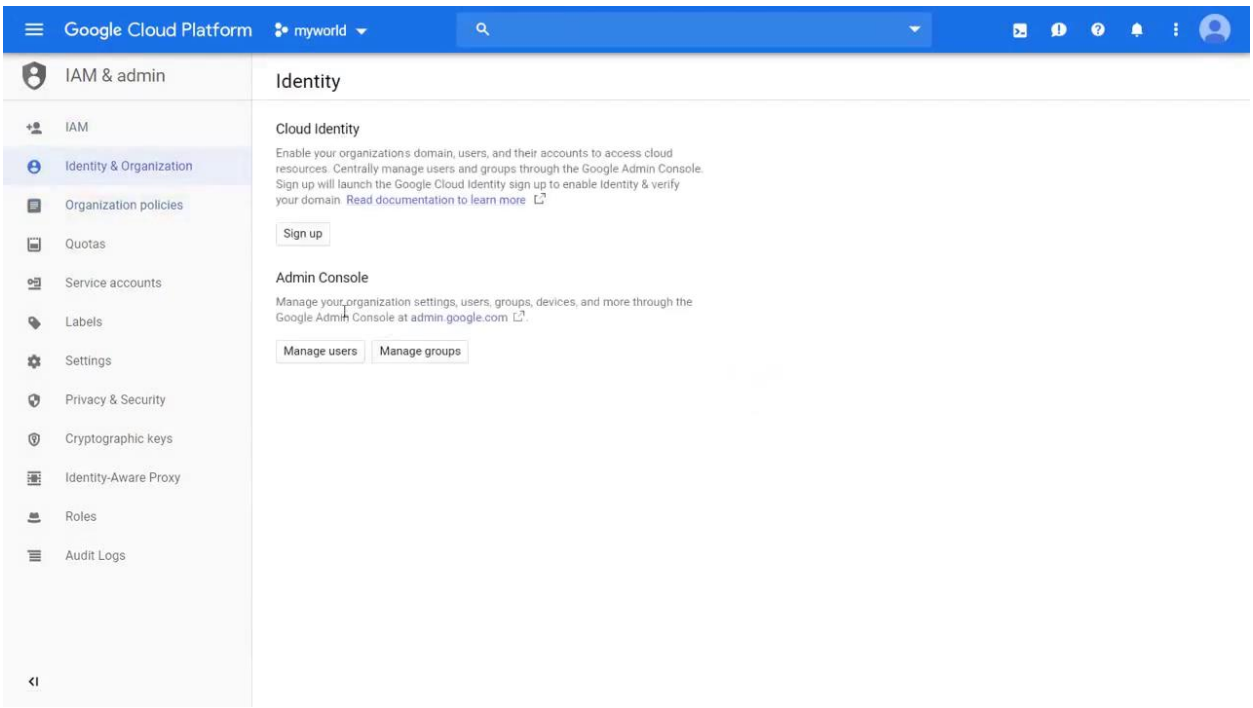


After entering the new member's identification(after completing the process, that member will get a varication mail from GCP then that member will have the assigned role) user can create a new role by searching it from the drop-down menu and also selected the role categories from the browser, editor and owner and viewer

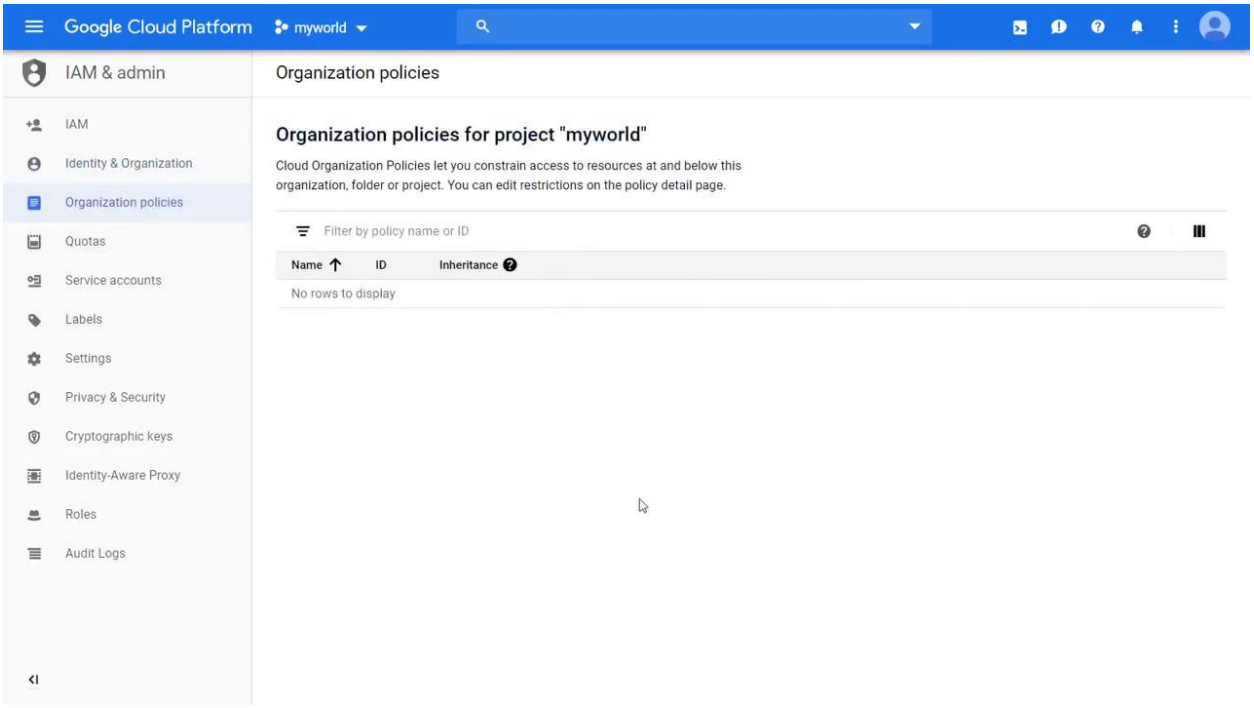
Step 2 : Check the roles assigned



Step 4: create organization level policies

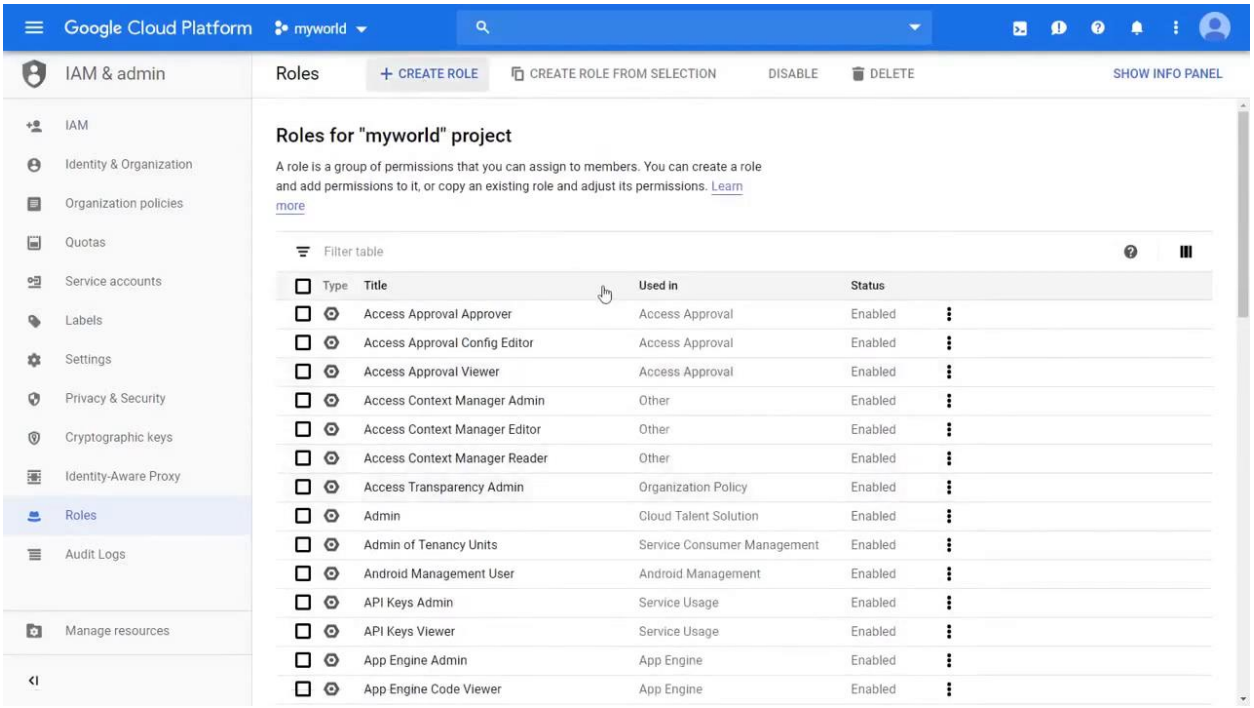


Here user can create an admin level polices if he is handling one or more organization at the one time

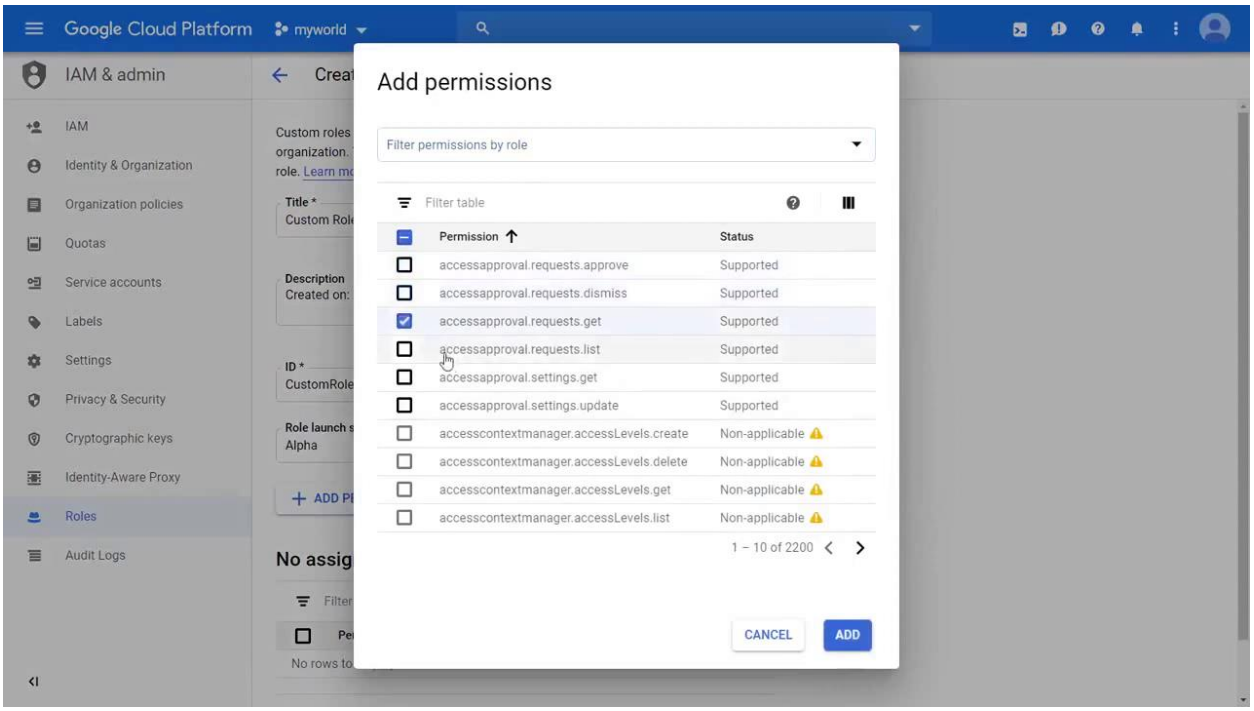


here user can see the policies listed here(I tried to create but can't able to understand the complete concept)

Step 5: group permission



In roles column, user can create a new role and



Customize and group some role for one user and that user has customized access control