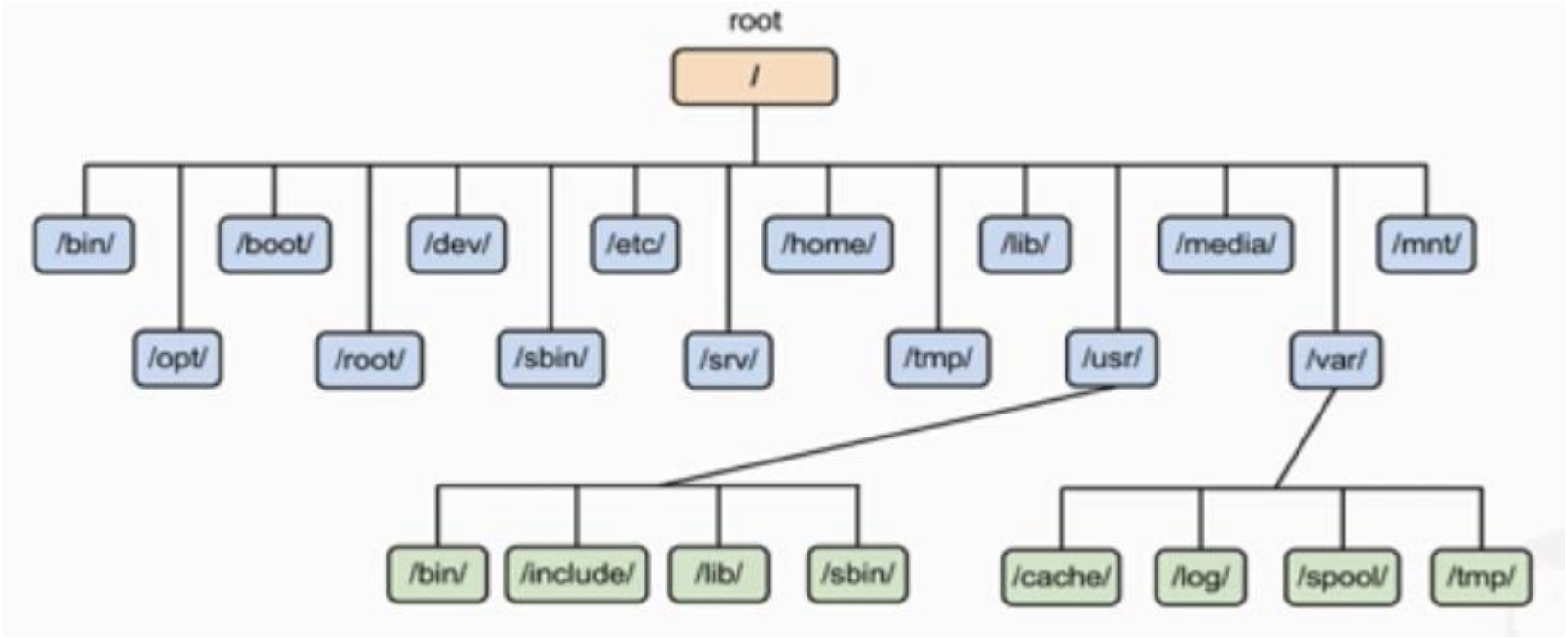
Cloud Computing

GCP Organization Hierarchy

- Like any operating system or complex tech resource, some form of organization and access control is a necessity.

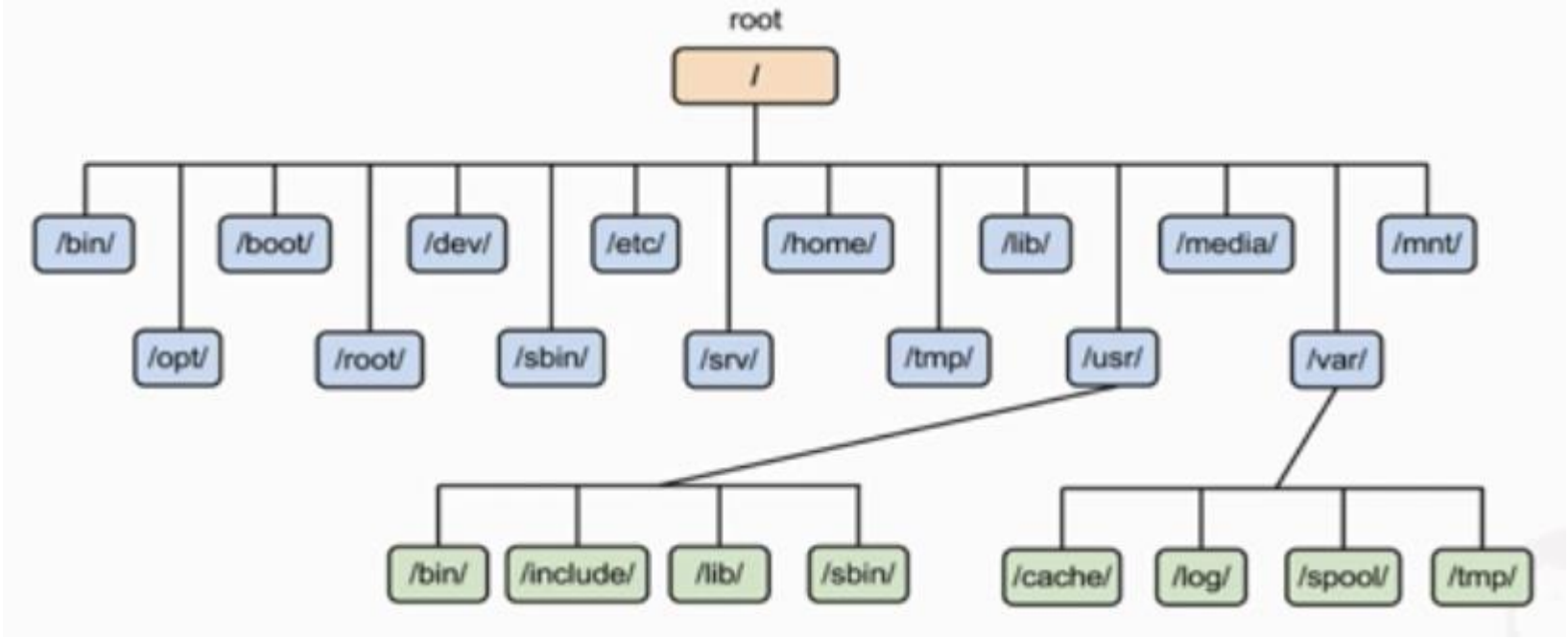
- GCP's implementation is called Cloud Resource Hierarchy.



Purpose of the Cloud Resource Hierarchy

- Provide a hierarchy of ownership.
  - Identity and Access Management (IAM)

- Provide attach points and inheritance for access control and organization polices.



Hierarchy Overview

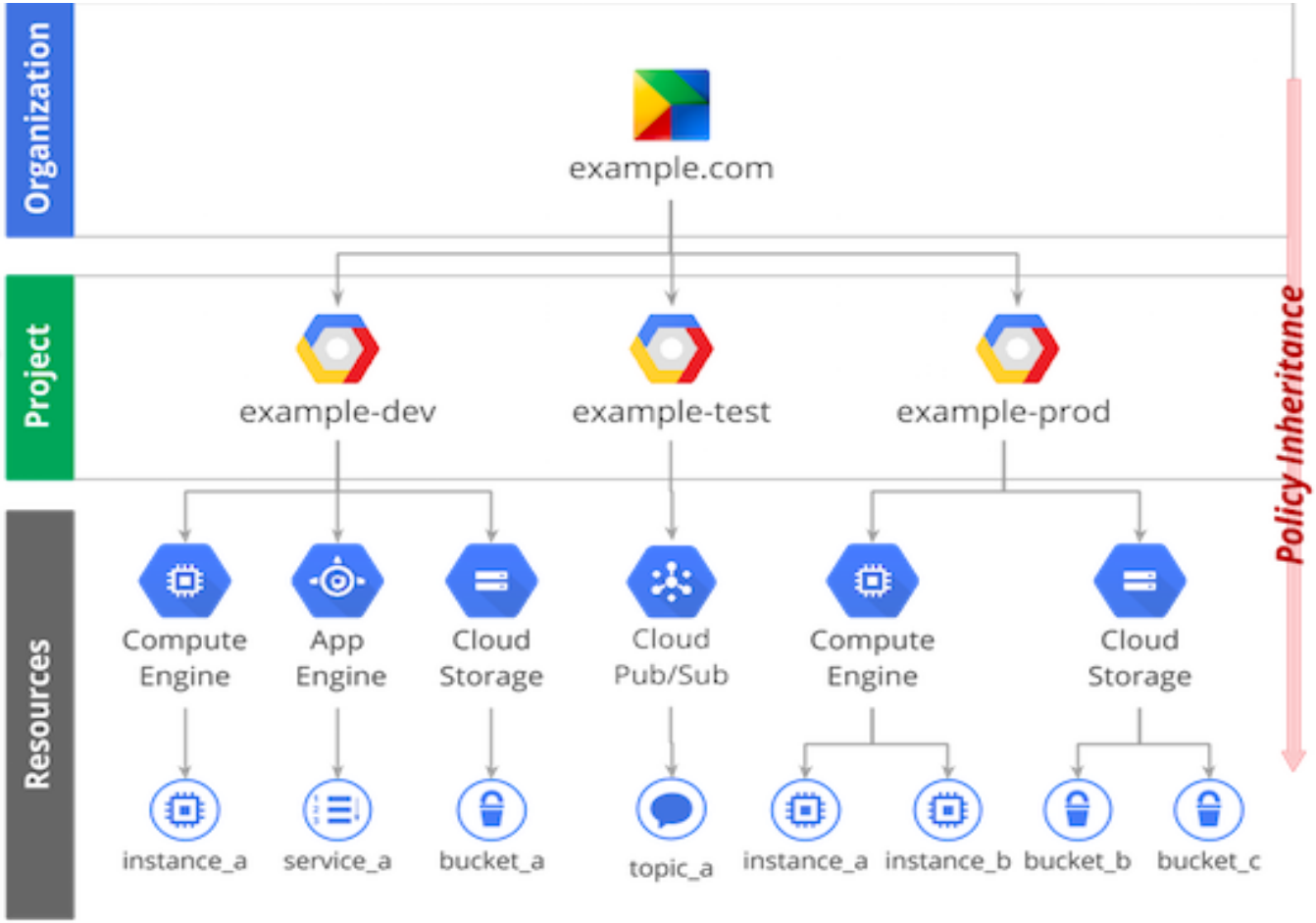
- Organization

(not applicable to individual accounts)

- Projects

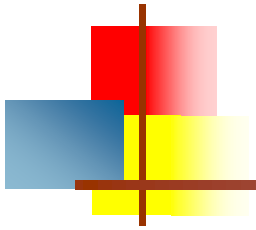
Our focus

- Resources



Projects

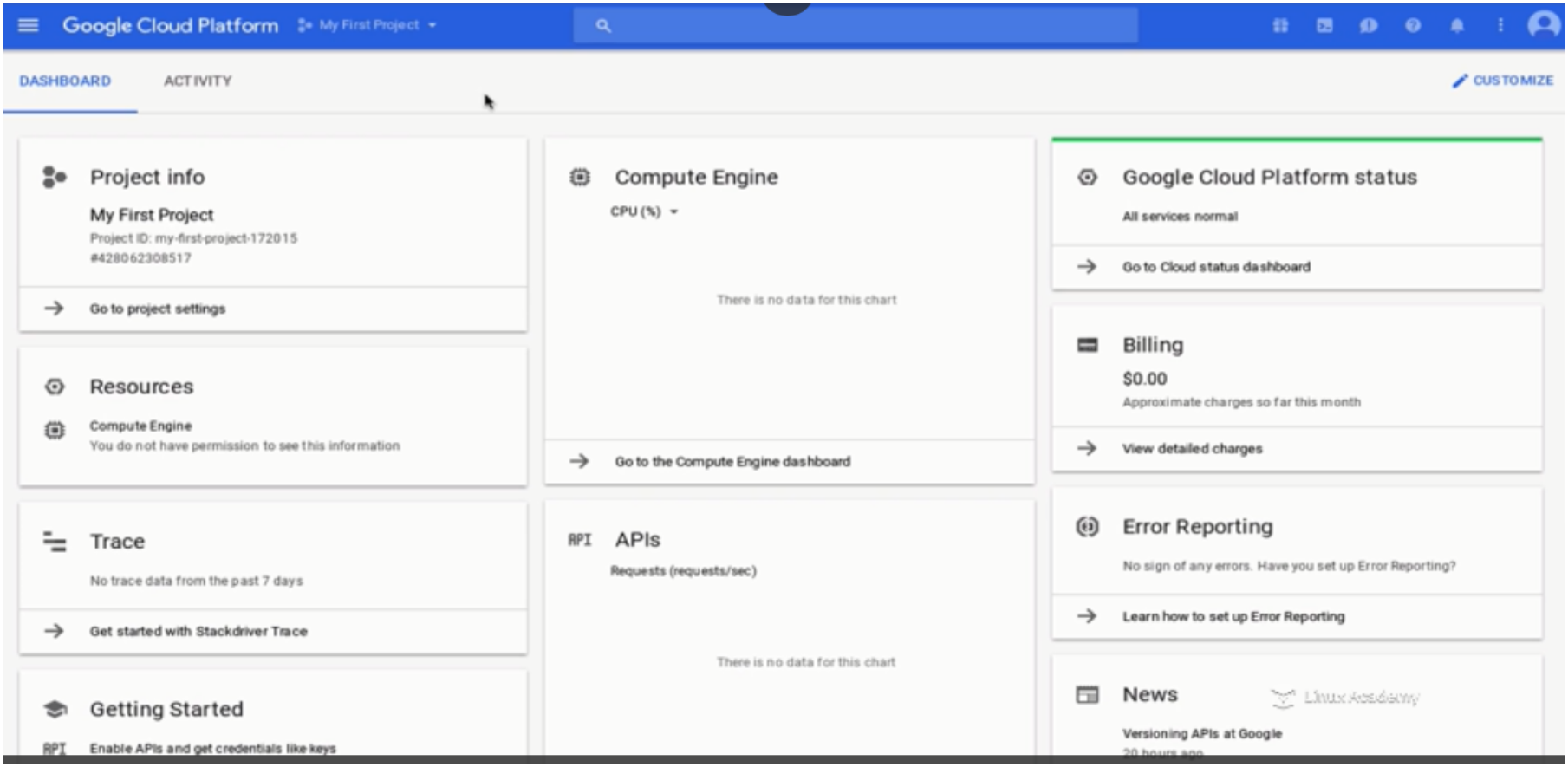
- Core organizational components of GCP
- Control access to resources.
  - Who has access to what?
- Creating, enabling, and using all Cloud Platform services:
  - Per project basis
  - Permissions
  - Billing
  - API’s



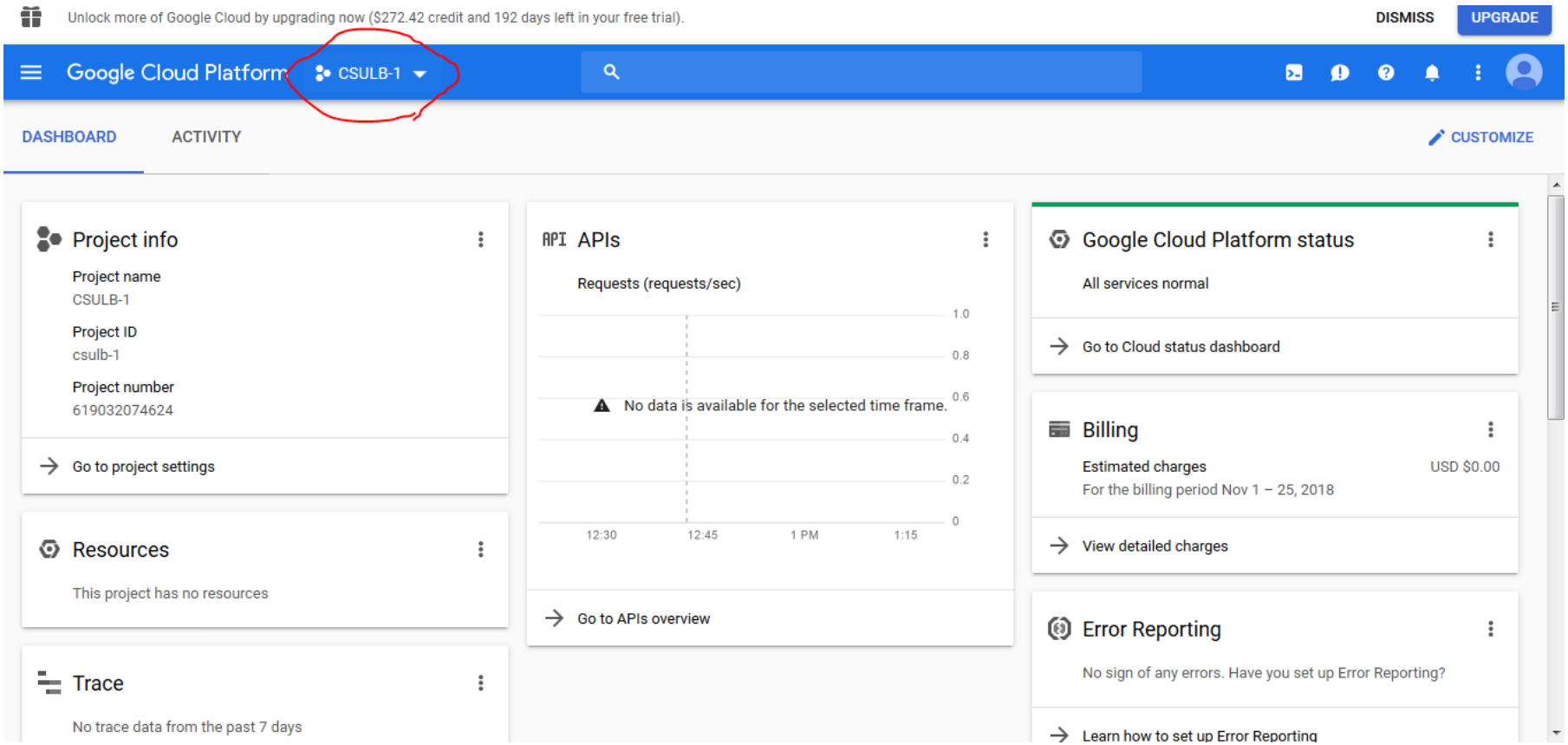
Projects Identifiers

- Project Name – aka “Friendly Name”
  - Not necessary need to be unique to Google platform
- Project ID – aka “Application ID”
  - It get created automatically
  - It must be unique in Google platform
  - It can't be change once it get created
- Project Number
  - Used in various places for identifying resources that belong to specific projects. For example, service account access and names.

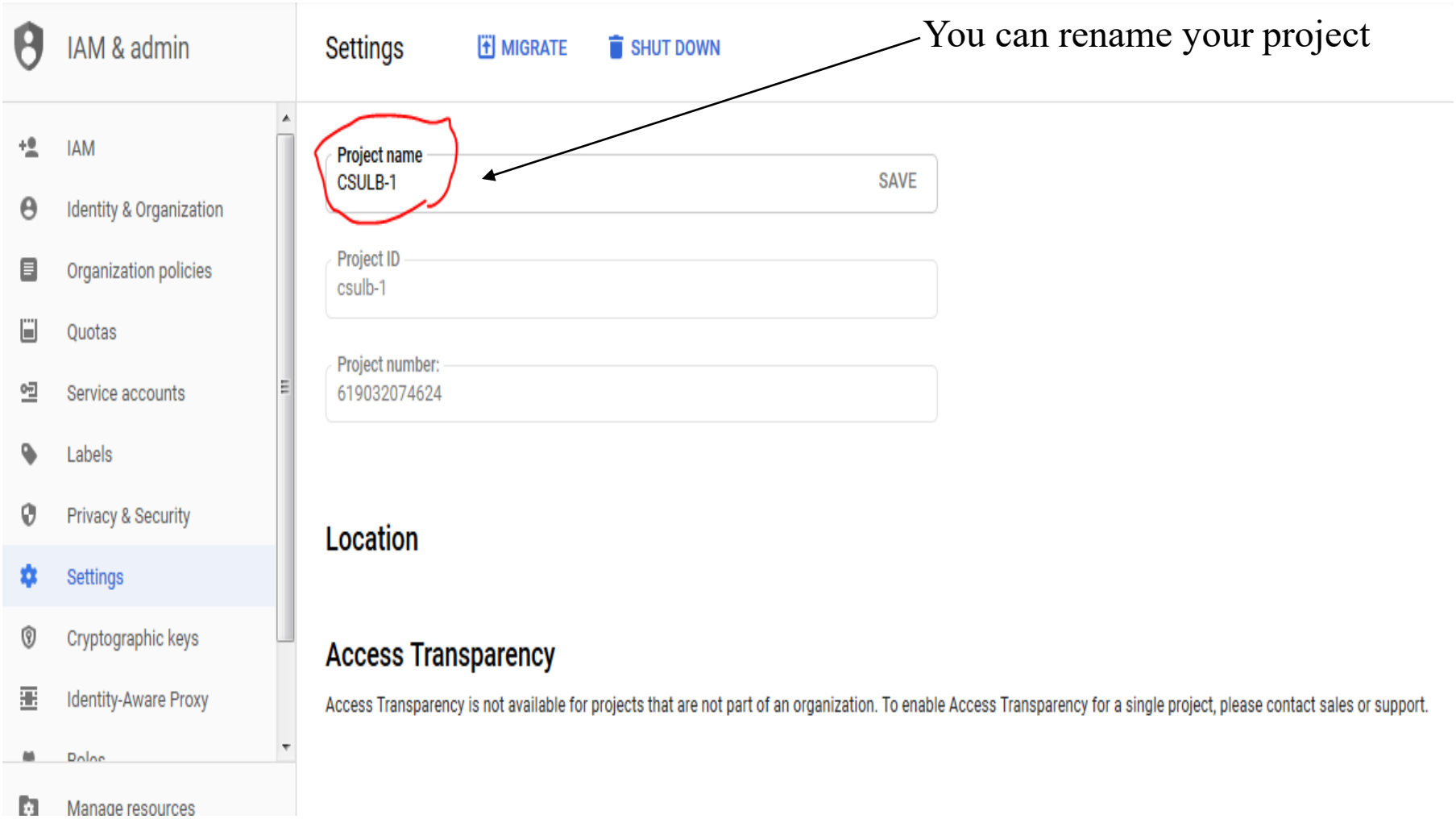
Go to your Dashboard



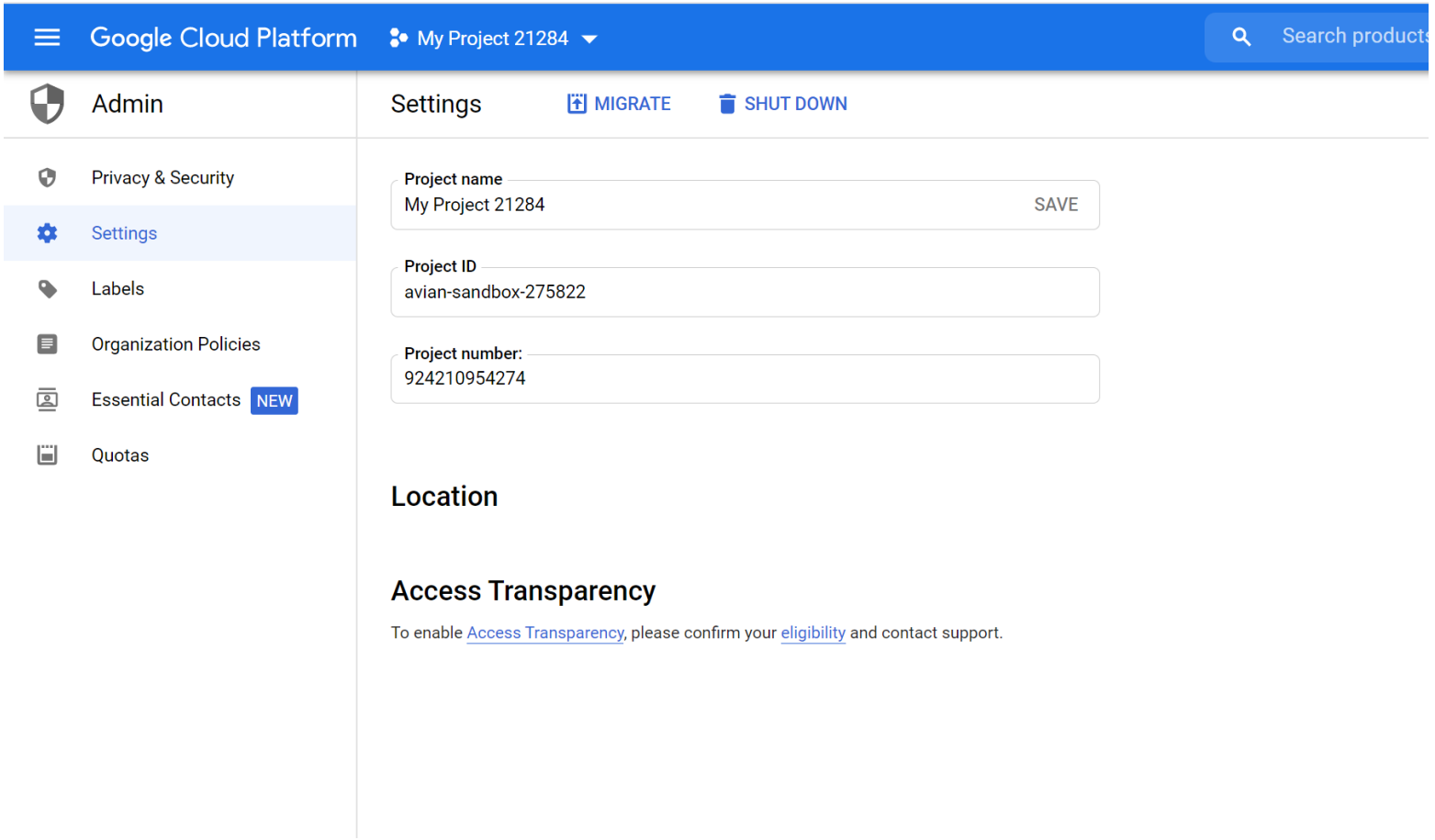
Create a Project



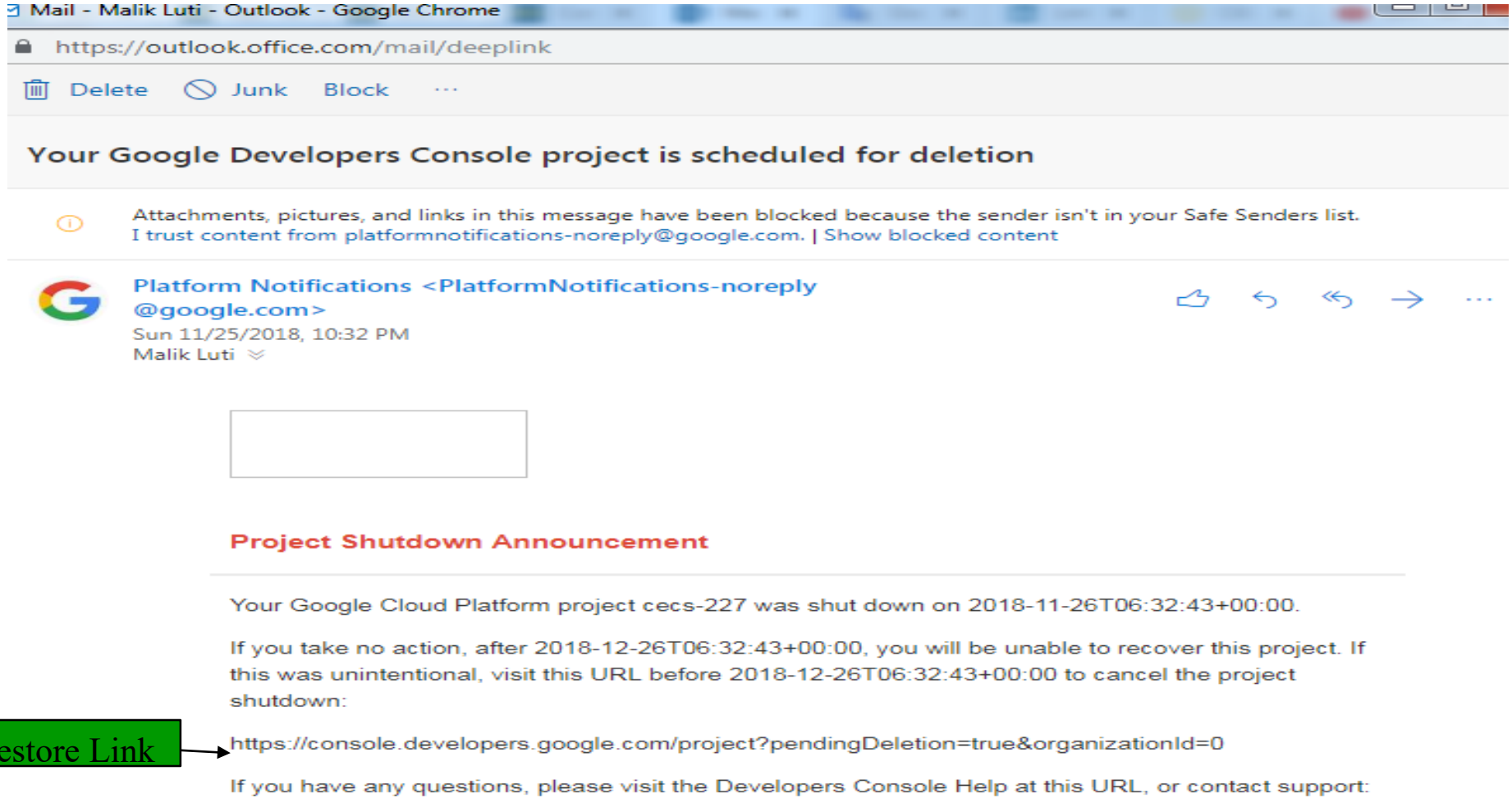
Rename a Project



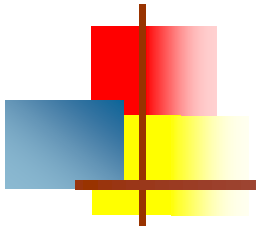
Delete a Project



Delete a Project/Email Confirmation



Restore Link



Homework

- Access Project Manager
- Create a Project
  - Chose a friendly name
  - Watch how Project ID is automatically created from friendly name
- Look up Project info after creation
- Delete your Project
- Create new Project – “BookStore Application”
  - Don’t delete this project