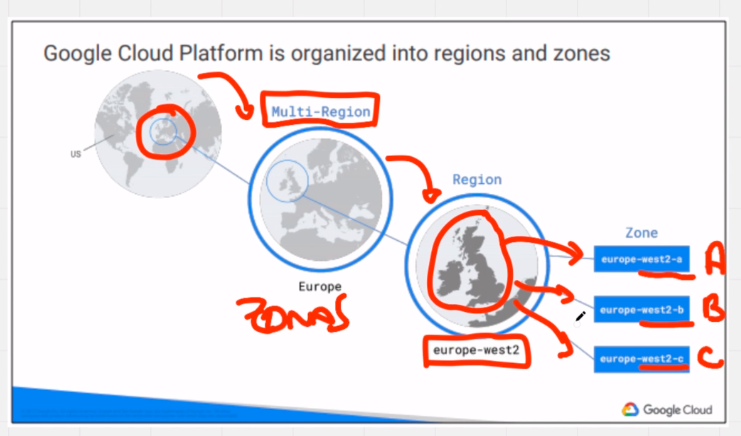
**GCP**

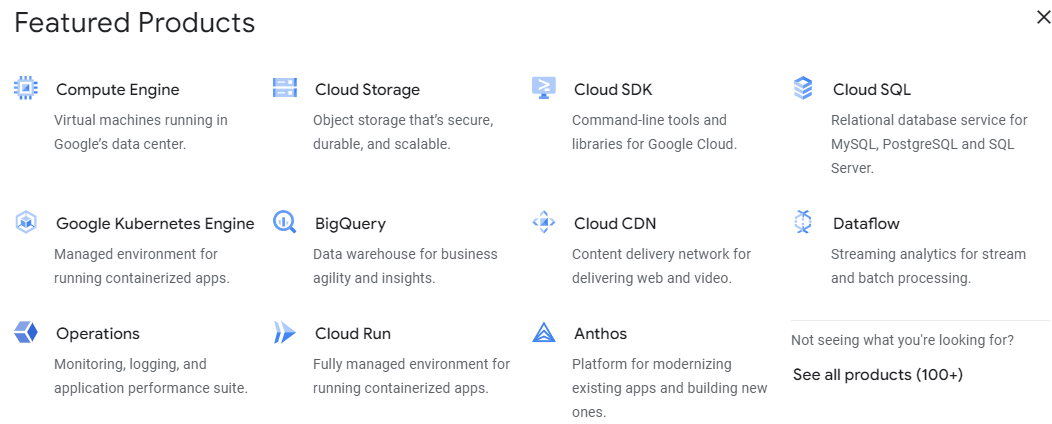
Regiões e Zonas

<https://cloud.google.com/about/locations?hl=pt-br>



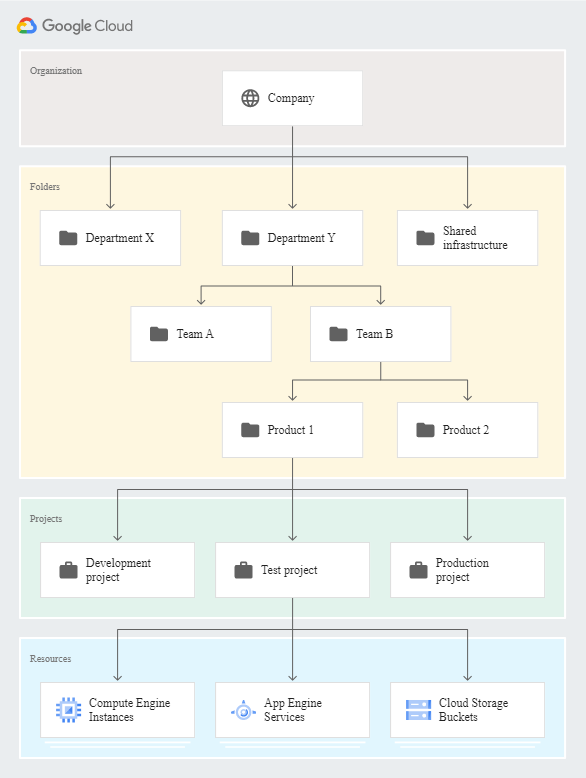
Produtos

<https://cloud.google.com/products>

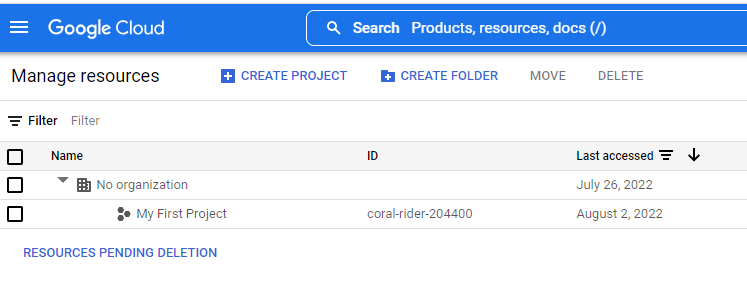


Hierarquia

<https://cloud.google.com/resource-manager/docs/cloud-platform-resource-hierarchy>



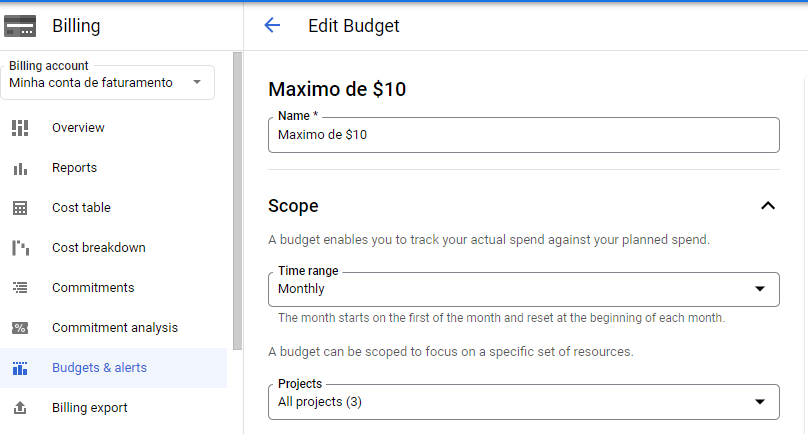
IAM – Manage Resources



Billing – Custos detalhados



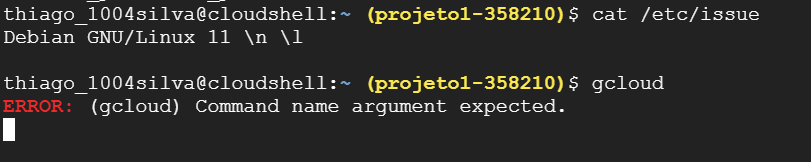
Criar alertas para gastos



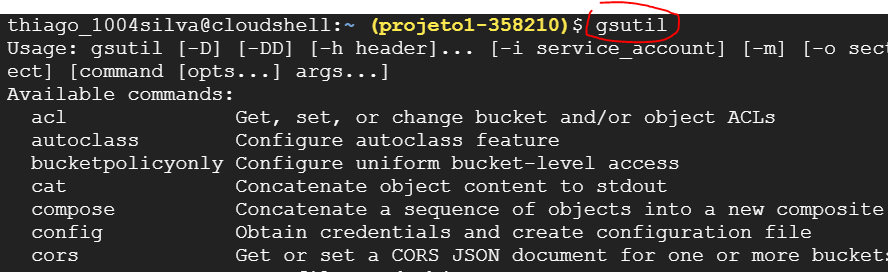
**CLOUD SHELL**

<https://cloud.google.com/sdk/docs/cheatsheet>

Dentro do cloud shell temos o SDK Gcloud



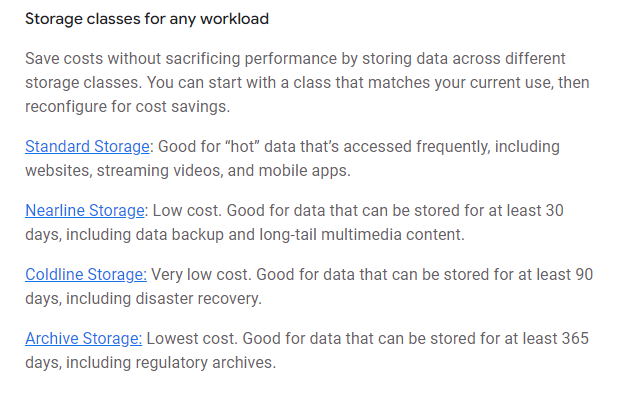
Comando voltado para storages:



**STORAGE GCP**

<https://cloud.google.com/storage>

Storages classes



Standard = ótimo para dados acessados frequentementes , incluindo websites, streaming de vídeos e apps .

Nearline = Custo menor. Excelente pra armazenamento de arquivos por no mínimo 30 dias, incluindo backup de dados.

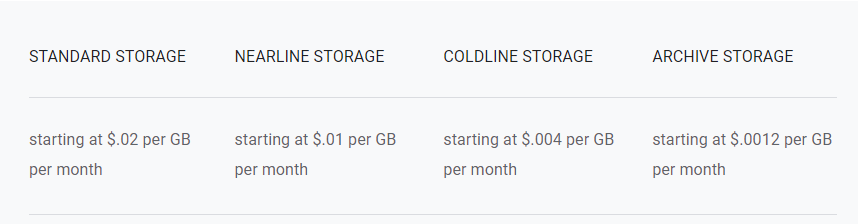
Coldline = excelente pra arquivos que vão ficar parados por no mínimo 90 dias. Custo bem baixo.

Archive = Menor custo de todos. Útil pra arquivos armazenados por no mínimo 1 ano.

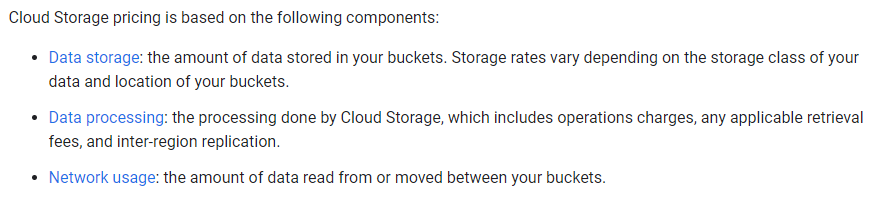
Sistema Retriv: quanto mais tempo está guardado mais caro pra realizar o restore, por exemplo, recuperar arquivos do Archive Storage.

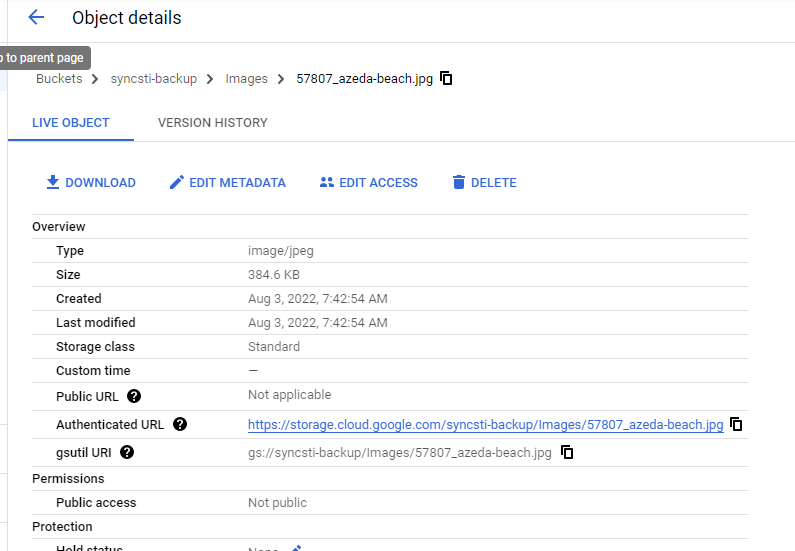
Valores Cobrados

No momento estão sendo cobrados os valores abaixo



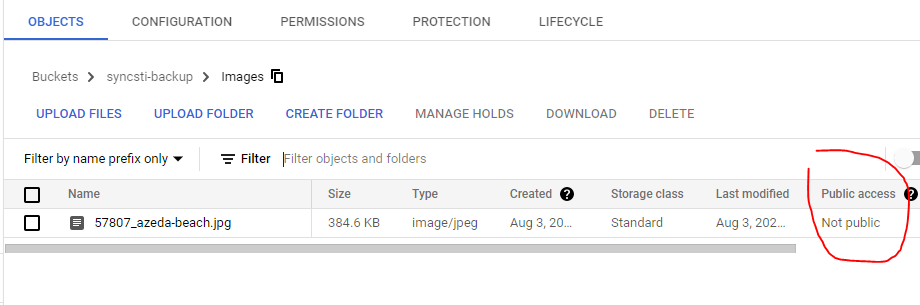
<https://cloud.google.com/storage/pricing>



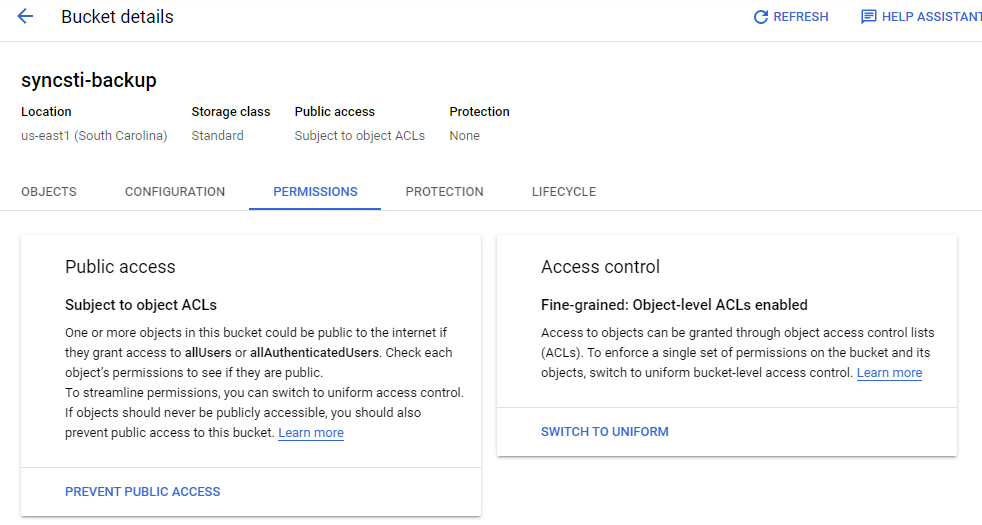


Tornar o acesso público

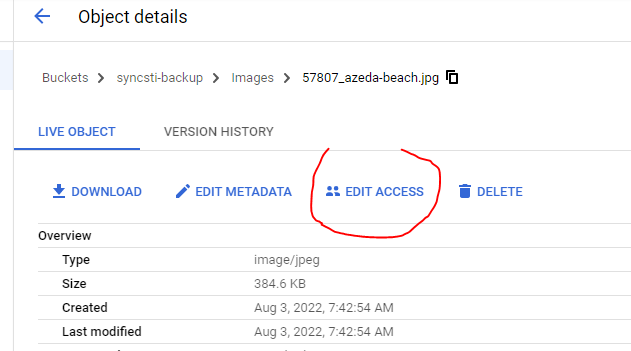
Por padrão os arquivos não são públicos

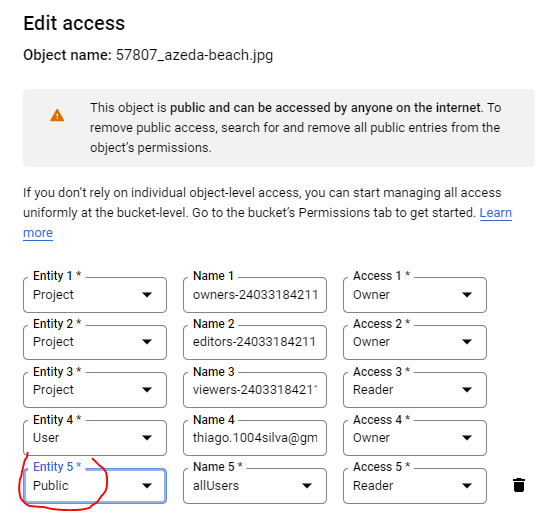


E na bucket , podemos ver que está como Fine-grained, que é via ACL as permissões

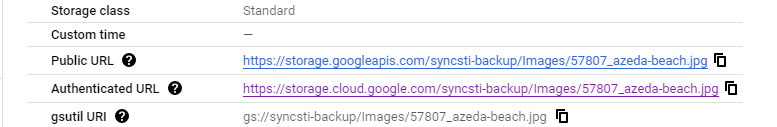


Se tiver como Uniform, temos até 60 dias pra tornar Fine-grained

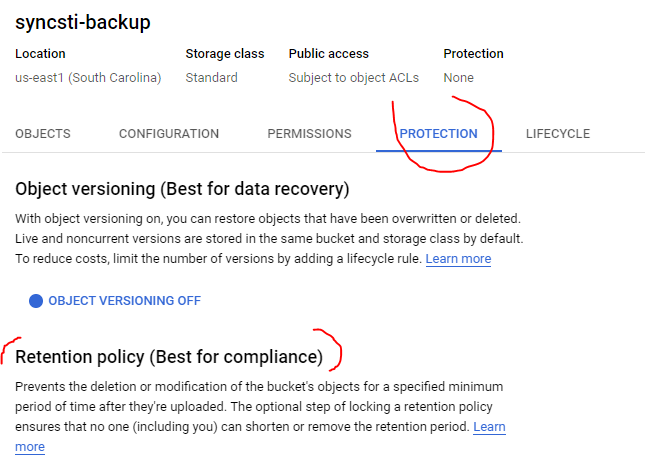


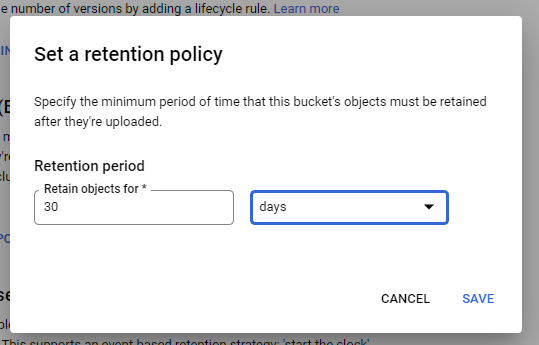


Ele cria uma nova URL

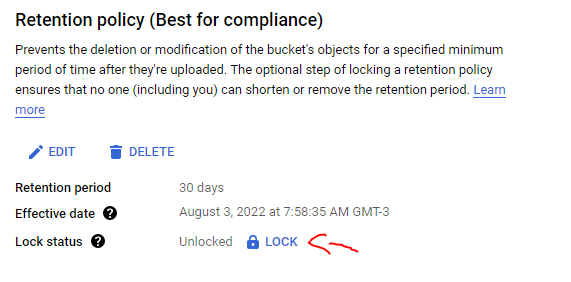


Política de retenção

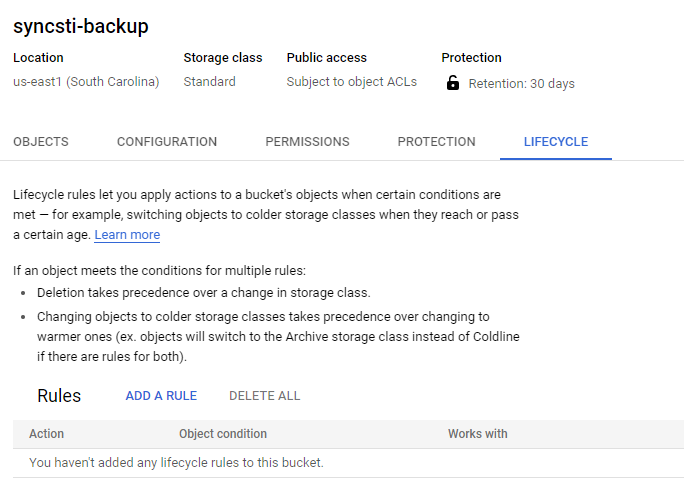




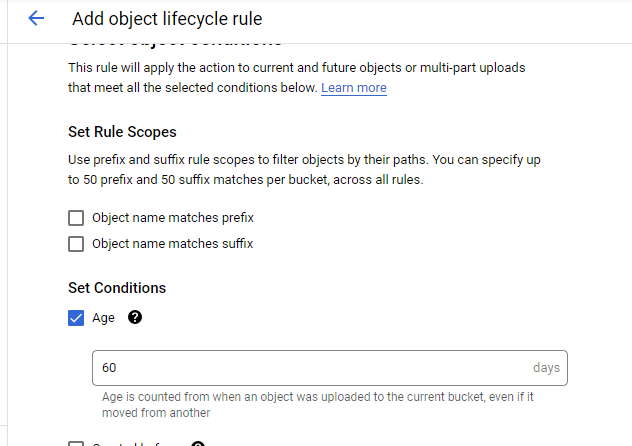
Podemos bloquear por 30 dias de qualquer um de apagar a policy



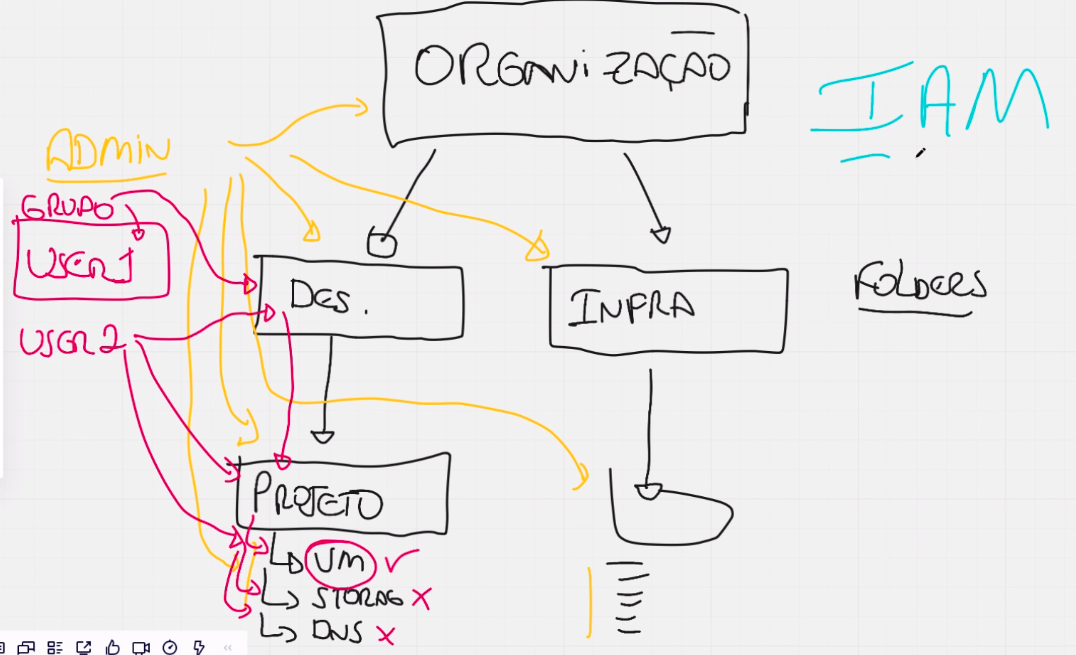
Lifecycle



Abaixo um exemplo de mover os arquivos para ARCHIVE depois de 60 dias



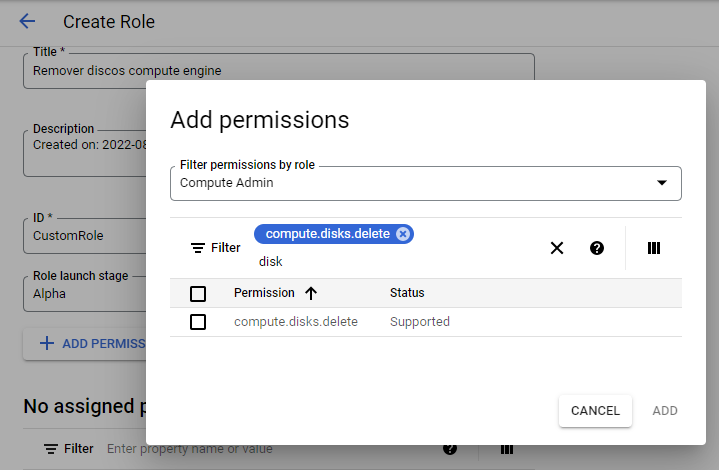
**IAM**



MEMBERS = PRINCIPALS AGORA

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Criando roles



**COMPUTE ENGINE**