Goggle cloud platform lab 2

Deploy your static website on Goggle Cloud (Cloud Storage)

By Abdulelah Bin Obaid

Guidelines

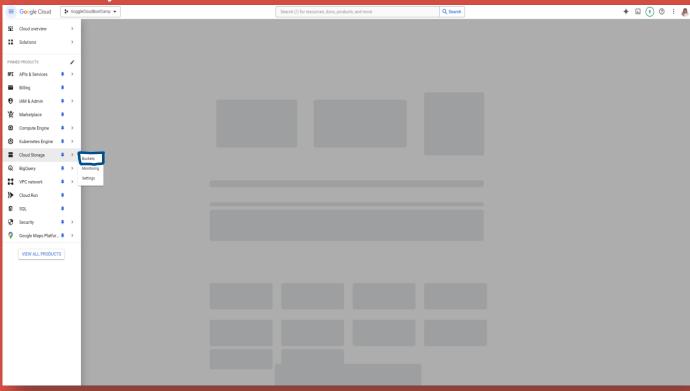


- Guidelines:
- Firsrt make your own GCP account.
- Second , after you make your account go to cloud storage and create your first bucket .
- Third upload your website and enable public access.

Hands-on-deck

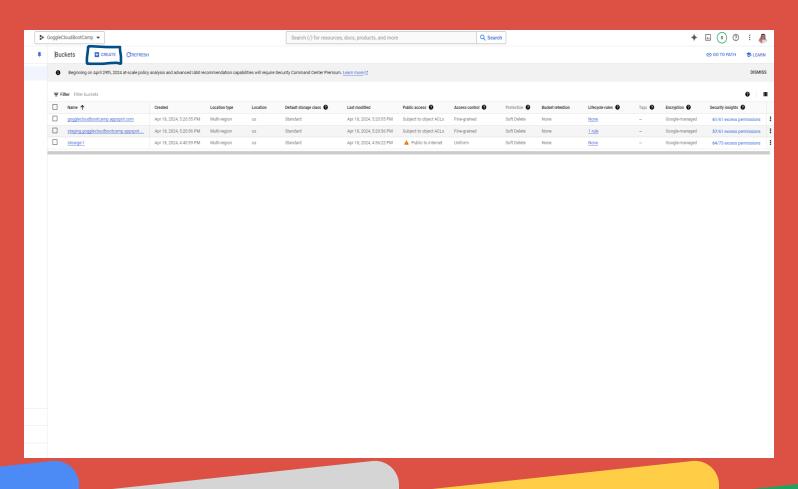
X

- Bucket settings:
- Here you make your first bucket.



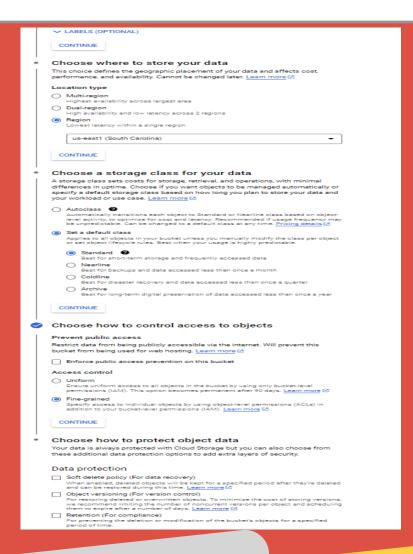


And click on create.



X

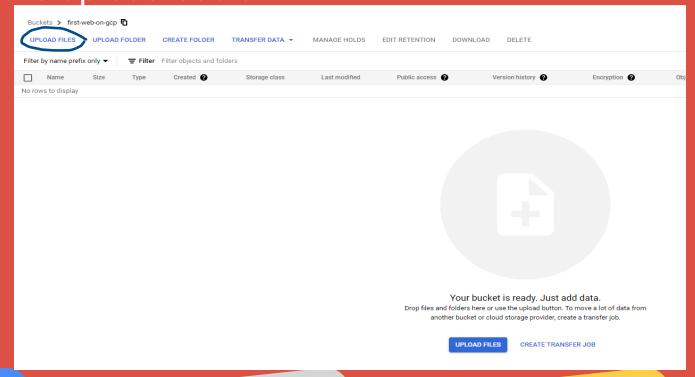
Bucket settings



X

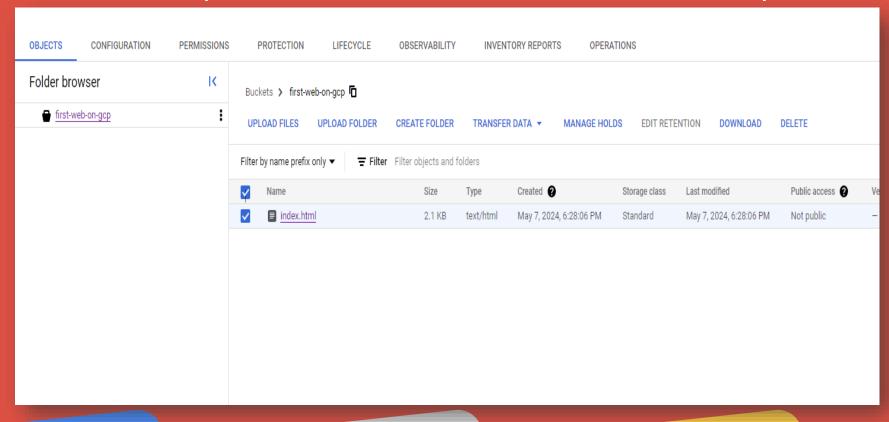
Bucket Console:

 After we create our first bucket, we 'll upload our website from clicking on the upload button.





• After we have uploaded the site, we have to make it public.





• After you select the files click on permissions and click on Grant access.

first-web-on-gcp Location Storage class Public access Protection us-east1 (South Carolina) Standard Subject to object ACLs None									
OBJECTS	CONFIGURATION PERMISSIONS PROTECTION	LIFECYCLE OBSERVABILITY INVENTORY	REPORTS OPERATIONS						
Public access Subject to object ACLs One or more objects in this bucket could be public to the internet if they grant access to allUsers or allAuthenticatedUsers. Check each object's permissions to see if they are public. To streamline permissions, you can switch to uniform access control. If objects should never be publicly accessible, you should also prevent public access to this bucket. Learn more (2) PREVENT PUBLIC ACCESS VIEW BY PRINCIPALS VIEW BY PRINCIPALS VIEW BY PRINCIPALS Access control Fine-grained: Object-level ACLs enabled Access to object access control lists (ACLs.) To enforce a single set of permissions on the bucket and its objects, switch to uniform bucket-level access control. Learn more (2) SWITCH TO UNIFORM VIEW BY PRINCIPALS VIEW BY PRINCIPALS									
+2 GRANT ACCESS -2 REMOVE ACCESS									
₹ Filter Enter property name or value									
Туре	Principal ↑	Name	Role	Inheritance					
□⊙	426618738426@cloudbuild.gserviceaccount.com	Legacy Cloud Build Service Account ?	Cloud Build Service Account	GoggleCloudBootCamp	1				
□ #:	Editors of project: gogglecloudbootcamp		Storage Legacy Bucket Owner		r				
□ #	Owners of project: gogglecloudbootcamp		Storage Legacy Bucket Owner		i				
□ ◎	service-426618738426@compute-system.iam.gserviceaccount.com	Compute Engine Service Agent ②	Compute Engine Service Agent	GoggleCloudBootCamp	1				
□⊙	service-426618738426@gcp-gae-service.iam.gserviceaccount.com	App Engine Standard Environment Service Agent ?	App Engine Standard Environment Service Agent	GoggleCloudBootCamp	P				
□ ◎	service-426618738426@gcp-sa-cloudbuild.iam.gserviceaccount.com	Cloud Build Service Agent	Cloud Build Service Agent	GoggleCloudBootCamp	P				
□ ◎	service-426618738426@gcp-sa-firestore.iam.gserviceaccount.com	Cloud Firestore Service Agent ②	Firestore Service Agent	GoggleCloudBootCamp	i				
□ #	Viewers of project: gogglecloudbootcamp		Storage Legacy Bucket Reader						

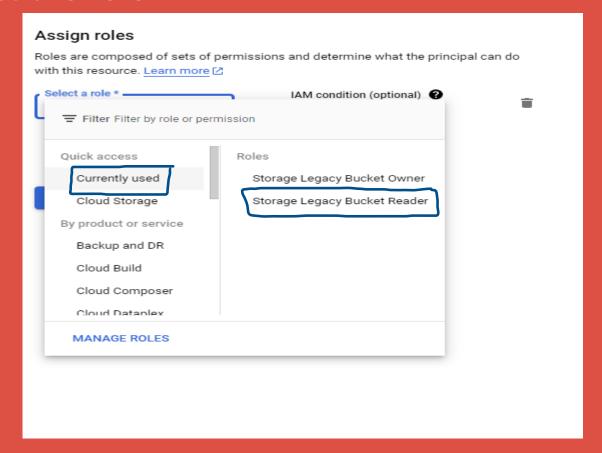


• New principle choose all Users.

Grant access to "first-web-on-gcp"								
Grant principals access to this resource and add roles to specify what actions the principals can take. Optionally, add conditions to grant access to principals only when a specific criteria is met. Learn more about IAM conditions ☑								
Resource								
☐ first-web-on-gcp								
Add principals								
Principals are users, groups, domains, or service accounts. <u>Learn more about principals in IAM</u> [건								
New principals * allUsers ②								
allosers								
Assign roles								
Roles are composed of sets of permissions and determine what the principal can do with this resource. Learn more [2]								
Select a role * IAM condition (optional) IAM conditions disabled								
+ ADD ANOTHER ROLE								
SAVE CANCEL								

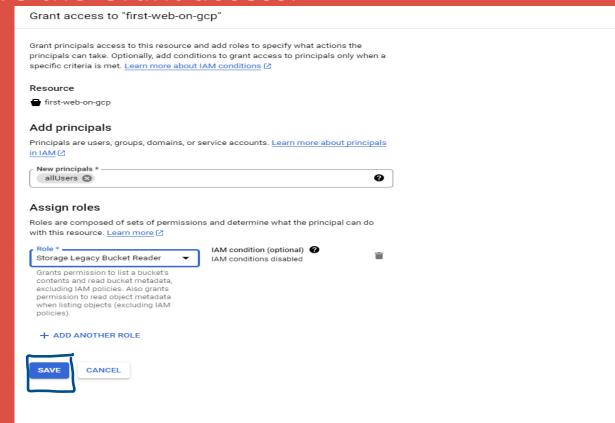


• Now select the role.



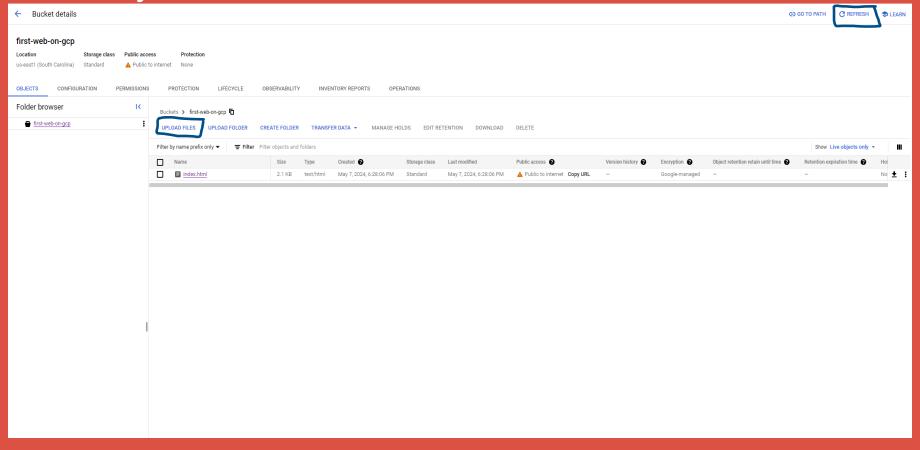


After that save the Grant access.



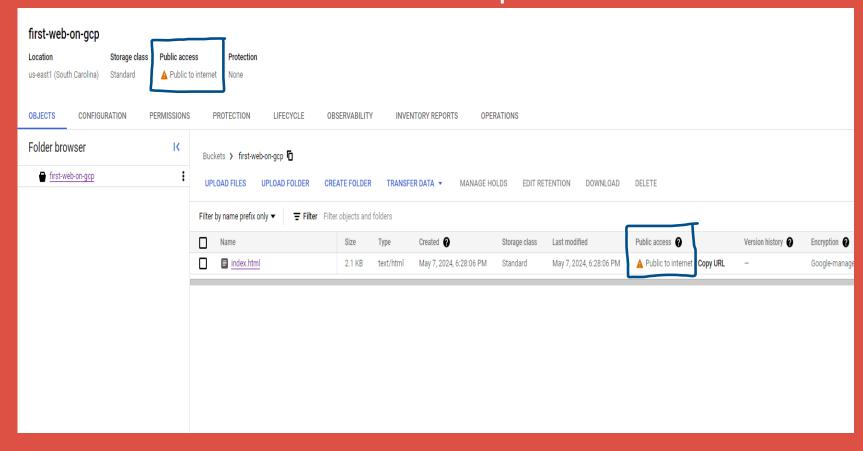


• Get back to Objects and click referesh.



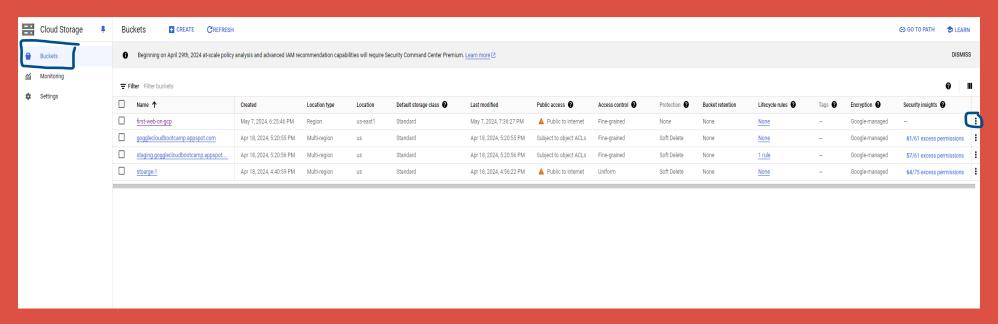


• As we can see now the website is public.





 Return to the bucket and select the three dots button and do the following steps.

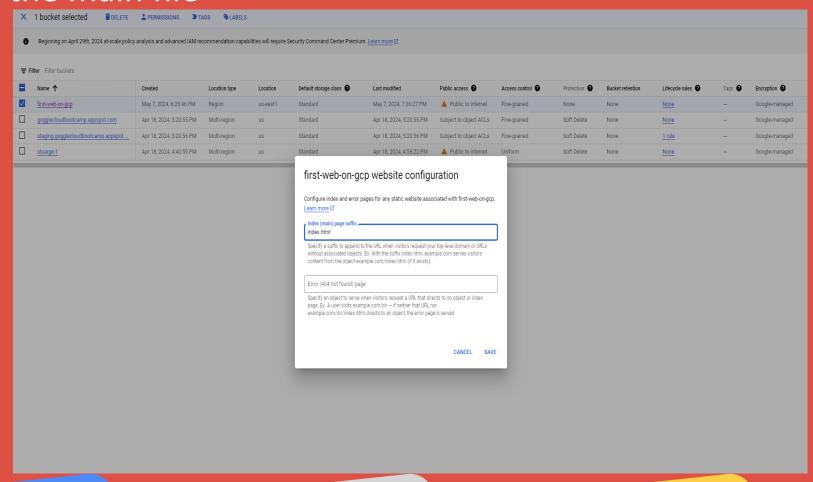




first-web-on-gcp	May 7, 2024, 6:25:46 PM	Region	us-east1	Standard	May 7, 2024, 7:36:27 PM	A Public to internet	Fine-grained	None	None	None	- Goo	gle-managed –
gogglecloudbootcamp.appspot.com	Apr 18, 2024, 5:20:55 PM	Multi-region	us	Standard	Apr 18, 2024, 5:20:55 PM	Subject to object ACLs	Fine-grained	Soft Delete	None	None	- Goo	gle Edit access
staging.gogglecloudbootcamp.appspot	Apr 18, 2024, 5:20:56 PM	Multi-region	us	Standard	Apr 18, 2024, 5:20:56 PM	Subject to object ACLs	Fine-grained	Soft Delete	None	1 rule	- Goo	gl∈ Edit tags
stoarge-1	Apr 18, 2024, 4:40:59 PM	Multi-region	us	Standard	Apr 18, 2024, 4:56:22 PM	A Public to internet	Uniform	Soft Delete	None	None	- Goo	gle Edit labels
												Edit website configuration
												Edit default storage class
												Delete bucket
												Transfer data in
												Transfer data out
												Create restore job
												Export to Cloud Pub/Sub 12
												Process with Cloud Functions
												Scan with Sensitive Data Protection 년

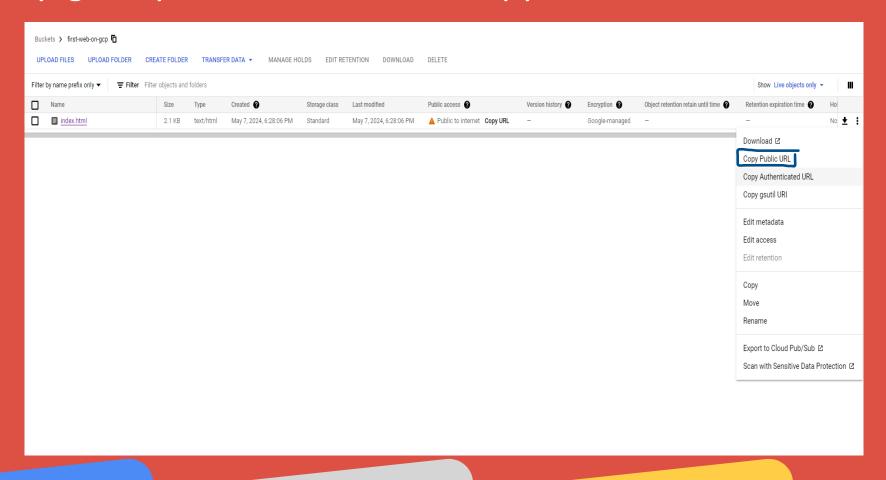


• Write the main file





• Finally, go to your index.html and copy the URL.





• Congratulations on the first static website on GCP.

Welcome to Google Cloud Platform



Google Cloud

What is Google Cloud Platform?

Google Cloud Platform (GCP) is a suite of cloud computing services offered by Google. It provides a range of on-demand services including:

- . Compute: Create and manage virtual machines (VMs)
- Storage: Store your data securely and reliably
- Networking: Connect your applications and resources
- Big Data: Analyze large datasets
- . Machine Learning: Build and train machine learning models
- And many more!

What are Virtual Machines (VMs)?

A virtual machine (VM) is a software computer that emulates a physical computer. It allows you to run an operating system and applications on a virtualized server. VMs offer several benefits including:

- . Scalability: Easily scale your resources up or down as needed
- . Cost-effectiveness: Pay only for the resources you use
- Flexibility: Deploy different types of VMs for different applications
- . Isolation: Applications running on VMs are isolated from each other

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Thank You!