



DevOps -2022-b-online

BY

MOHAMMED EID 😊

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/>	MyServer	i-08a95df5f90b0376f	Running	t2.micro	-	No alarms +	us-east-1d

Create and choose appropriate EBS Volume type per the requirement and attach it to the instance while it runs

Create volume [Info](#)

Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.

Volume settings

Volume type [Info](#)

General Purpose SSD (gp2)

Size (GiB) [Info](#)

20

Min: 1 GiB, Max: 16384 GiB. The value must be an integer.

IOPS [Info](#)

100 / 3000

Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS.

Throughput (MiB/s) [Info](#)

Not applicable

Availability Zone [Info](#)

us-east-1d

Snapshot ID - optional [Info](#)

Don't create volume from a snapshot



Execution [Info](#)

<input checked="" type="checkbox"/>	Volume ID	Type	Size	IOPS		Snapshot		Availability Zone	Volume state	Ala
<input checked="" type="checkbox"/>	vol-0936c9fe7c1fac517	gp2	20 GiB	100	-	snap-08cbb15...	2...	us-east-1d	In-use	No

Manage the lifecycle of the data that is being stored on the cloud so that it gets deleted automatically after a given time

click

<input type="radio"/>	mohammedeidbucket	US East (N. Virginia) us-east-1	Bucket and objects not public	June 1, 2022, 18:00:45 (UTC+03:00)
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mohammedeidbucket

Objects | Properties | Permissions | Metrics | Management | Access Points

Lifecycle rules (0)

Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. [Learn more](#)

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions	Expired object delete markers	Incomplete multipart uploads
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No lifecycle rules

There are no lifecycle rules for this bucket.

Replication rules (0)

Use replication rules to define options you want Amazon S3 to apply during replication such as server-side encryption, replica ownership, transitioning replicas to another storage class, and more. [Learn more](#)

Replication rule name	Status	Destination bucket	Destination Region	Priority	Scope	Storage class	Replica owner	Replication Time Control	KMS-encrypted objects	Replica modification sync
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No replication rules

You don't have any rules in the replication configuration.

Lifecycle rule configuration

Lifecycle rule name

delete_data 2days

Up to 255 characters

Choose a rule scope

- ☐ Limit the scope of this rule using one or more filters
- ☒ Apply to all objects in the bucket



Apply to all objects in the bucket

If you want the rule to apply to specific objects, you must use a filter to identify those objects. Choose "Limit the scope of this rule using one or more filters". [Learn more](#)

☒ I acknowledge that this rule will apply to all objects in the bucket.

Lifecycle rule actions

Choose the actions you want this rule to perform. Per-request fees apply. [Learn more](#) or see [Amazon S3 pricing](#)

- ☐ Move current versions of objects between storage classes
- ☐ Move noncurrent versions of objects between storage classes
- ☒ Expire current versions of objects
- ☐ Permanently delete noncurrent versions of objects
- ☐ Delete expired object delete markers or incomplete multipart uploads
- These actions are not supported when filtering by object tags or object size.

Expire current versions of objects

For version-enabled buckets, Amazon S3 adds a delete marker and the current version of an object is retained as a noncurrent version. For non-versioned buckets, Amazon S3 permanently removes the object. [Learn more](#)

Days after object creation

2

Review transition and expiration actions

Current version actions

Day 0

- Objects uploaded



Day 2

- Objects expire

Noncurrent versions actions

Day 0


No actions defined.



Cancel

Create rule

Lifecycle rules (1)

Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after

 [View details](#) [Edit](#) [Delete](#) [Actions ▼](#) [Create lifecycle rule](#)

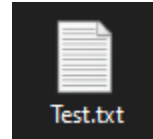
	Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions
	delete_data 2days	 Enabled	Entire bucket	Expires	-

Retrieve the old version of a file if the content of the current version of the file is compromised accidentally

create new text file

```
Test.txt - Notepad
File Edit Format View Help
HI All this Mohammed Eid

this is a sensitive informations|
```




add some files to my bucket

 tempsnip.png	png
 Test.txt	txt

should enable this

Bucket Versioning


Versioning is a means of keeping multiple variants of an object in
[more](#) 

Edit

Bucket Versioning
Enabled

Specified objects

< 1 >

Name ▲	Type ▼	Last modified ▼	Size ▼
 Test.txt	txt	June 1, 2022, 18:43:02 (UTC+03:00)	60.0 B

Delete objects?

To confirm deletion, type *delete* in the text input field.

delete

Cancel

Delete objects


By mistake delete the
file :)

Objects (1)


Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your o


  Copy S3 URI  Copy URL  Download  Open  Delete  Actions  Create fo


 Find objects by prefix  Show versions




<input type="checkbox"/>	Name	Type	Last modified
<input type="checkbox"/>	 tempsnip.png	png	June 1, 2022, 18:33:41 (UTC+03:00)




 Show versions

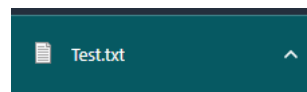
 Find objects by prefix


 Show versions

<input type="checkbox"/>	Name	Type	Version ID
<input type="checkbox"/>	 tempsnip.png	png	7svRLYqLtjeOpnIQm50GJVjQPu9Jsvlg
<input type="checkbox"/>	 Test.txt	Delete marker	SgQG.F1OrkeFAg8FEKjCpelyf1M7OsdE
<input type="checkbox"/>	 Test.txt	txt	fSDem5SmupGsD2qBBhlyylwzvp8gB0Bd



 Download



 *Test.txt - Notep

File Edit Format

I'm the BEST

^_^

 Upload

Upload Objects to S3 and make sure these Objects are not accessible by someone for example who gets into AWS servers, use appropriate encryption key

Server-side encryption settings

Server-side encryption protects data at rest. [Learn more](#)

Server-side encryption

☐ Disable

☒ Enable

Encryption key type

To upload an object with a customer-provided encryption key (SSE-C), use the AWS CLI, AWS SDK, or Amazon S3 REST API.

☒ Amazon S3-managed keys (SSE-S3)

An encryption key that Amazon S3 creates, manages, and uses for you. [Learn more](#)

☐ AWS Key Management Service key (SSE-KMS)

An encryption key protected by AWS Key Management Service (AWS KMS). [Learn more](#)

Specified objects

Name	Type	Last modified	Size	Storage class
0000/	Folder	-	-	-

CancelSave changes

Upload succeeded
View details below.

Summary

Destination	Succeeded	Failed
s3://mohammedidbucket	25 files, 5.8 MB (100.00%)	0 files, 0 B (0%)

Files and folders

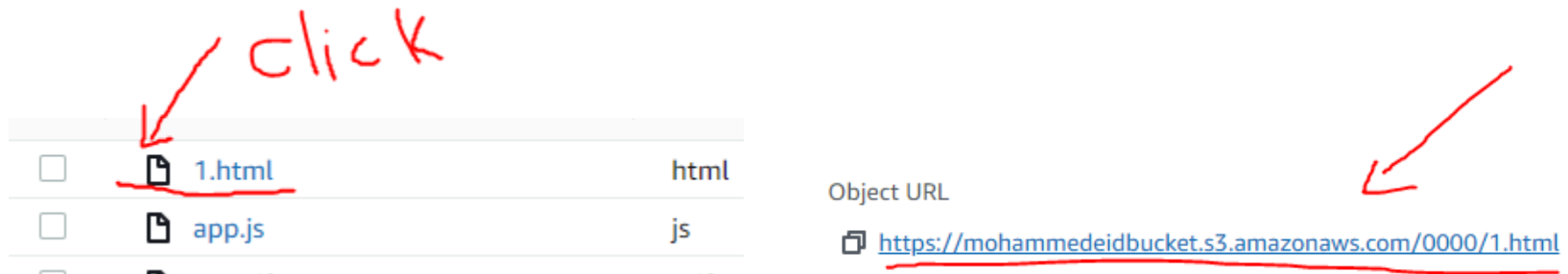
Configuration

Files and folders (25 Total, 5.8 MB)

Name	Folder	Type	Size	Status
1 (2).png	0000/img/	image/png	1.0 MB	Succeeded
1.html	0000/	text/html	4.0 KB	Succeeded
Archry.png	0000/img/	image/png	36.5 KB	Succeeded
CV.pdf	0000/	application/pdf	249.8 KB	Succeeded
Cipher.png	0000/img/	image/png	991.9 KB	Succeeded
E-commerce Hackathon.png	0000/img/	image/png	56.1 KB	Succeeded
SmartParking.png	0000/img/	image/png	258.8 KB	Succeeded
TEAM (9).png	0000/img/	image/png	331.6 KB	Succeeded
app.js	0000/	text/javascript	936.0 B	Succeeded
back.png	0000/img/	image/png	6.4 KB	Succeeded

Successfully edited server-side encryption
View details below.

Host a static website in S3 and make it publicly accessible



click

	File Name	File Type
<input type="checkbox"/>	1.html	html
<input type="checkbox"/>	app.js	js

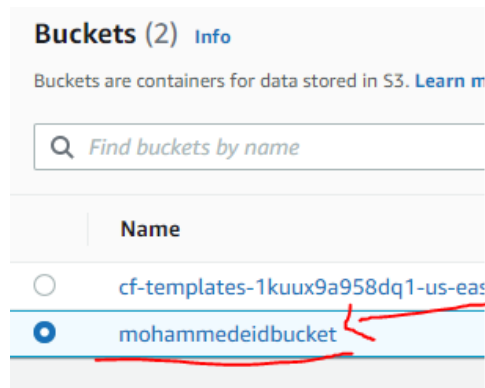
Object URL
<https://mohammedeidbucket.s3.amazonaws.com/0000/1.html>

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8" ?>
<Error>
  <Code>AccessDenied</Code>
  <Message>Access Denied</Message>
  <RequestId>98A5TNEAZP9Z7YN</RequestId>
  <HostId>u5dZ/YP6tqVnse5ZV1GnA3EsSEJsnjPa4fG4IFevghsnxw/9Y6SYPenJC4XqofKw1ZqaUE0PDYw=</HostId>
</Error>
```

Solution :

1-



Buckets (2) Info

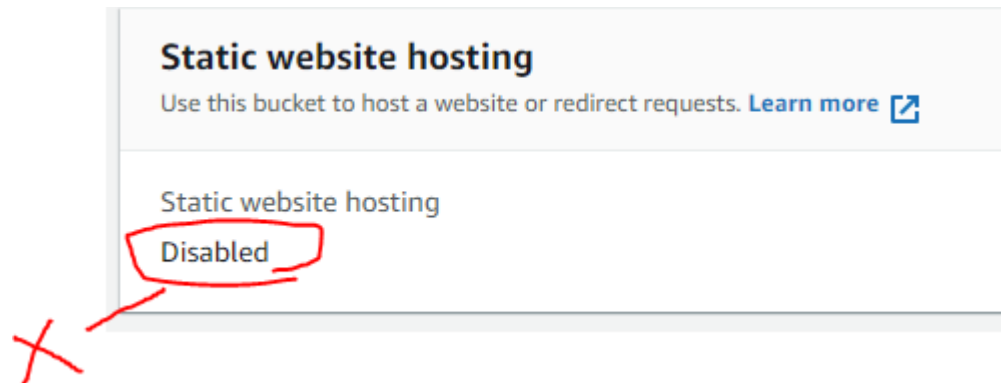
Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name
<input type="radio"/> cf-templates-1kuux9a958dq1-us-east-1
<input checked="" type="radio"/> mohammedeidbucket

Properties

2-



3-

Static website hosting
Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting

☐ Disable

☒ Enable

Hosting type

☒ Host a static website
Use the bucket endpoint as the web address. [Learn more](#)

☐ Redirect requests for an object
Redirect requests to another bucket or domain. [Learn more](#)

Info For your customers to access content at the website endpoint, you must make the content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. [Using Amazon S3 Block Public Access](#)


Index document
Specify the home or default page of the website.

index.html

4-

Permissions

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#) 

☐ **Block *all* public access**

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

☐ **Block public access to buckets and objects granted through *new* access control lists (ACLs)**

S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

☐ **Block public access to buckets and objects granted through *any* access control lists (ACLs)**

S3 will ignore all ACLs that grant public access to buckets and objects.

☐ **Block public access to buckets and objects granted through *new* public bucket or access point policies**

S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.


☐ **Block public and cross-account access to buckets and objects through *any* public bucket or access point policies**

S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

Cancel

Save changes

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#) 


Static website hosting

Enabled

Hosting type

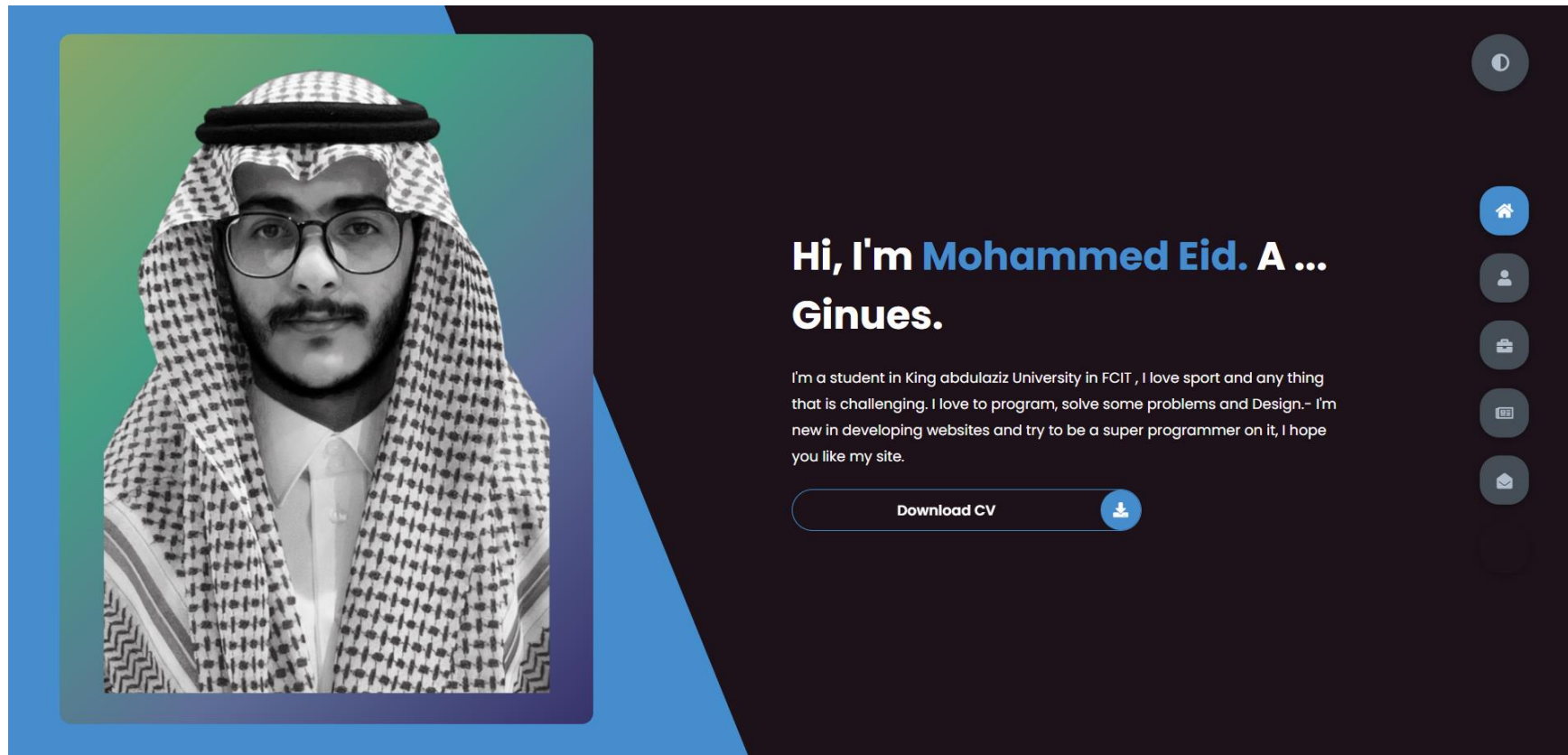
Bucket hosting

Bucket website endpoint

When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#) 

 <http://mohammedeidbucket.s3-website-us-east-1.amazonaws.com> 

Try this URL ?



It works 😊 .