Dated 11-02-2024

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Bucket : Object .

Only one copy of an object with a same name .

Update in s3 as text.txt

If object is deleted means its permanently deleted there no way to restore.

There are diff interfaces to interact with AWS services.

1.Management console .( Web based interface)

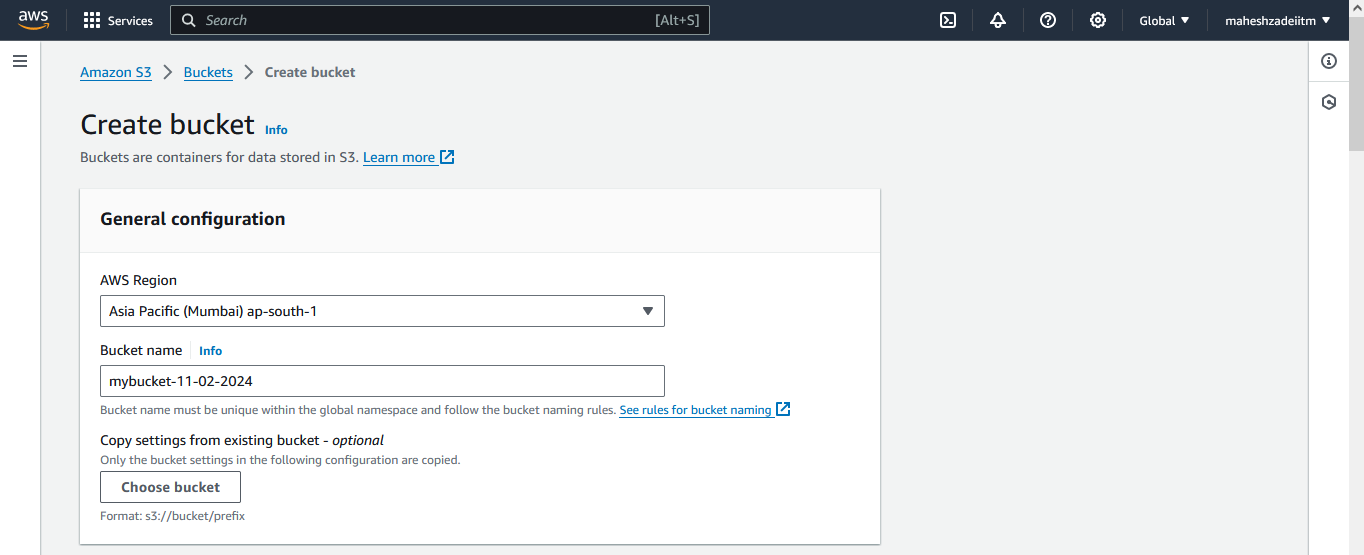
2.CLI ( Command line interface) ( Cloudshell -Jump through Management Console )

3.SDK ( Software Development Kit)

4. API ( Application Programming interface)

All these interfaces are API only .

Now create the Bucket



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Disable Block all public access

Rest keep all the same and click on create bucket

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Create the Dem test Txt file and upload in S3 Bucket

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Create txt file

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Copy this url in browser

We will get the error message

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So now go to bucket policy

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Go to permissions

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Description automatically generated

A screenshot of a computer

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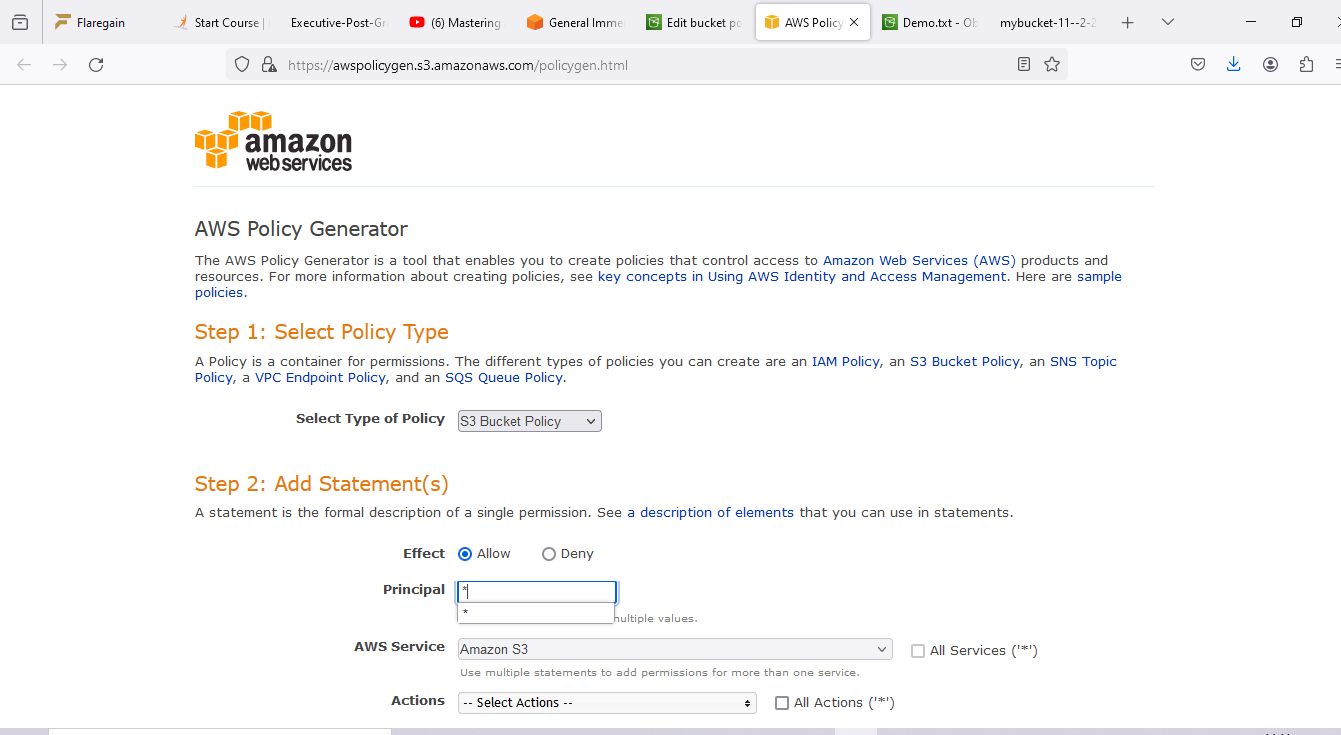
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Edit bucket policy

Open policy generator

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Copy ARN

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Description automatically generated

A screenshot of a computer

Description automatically generated

Put /\* at the end of ARN

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Click on generate policy

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Copy the policy JSON Document

And paste in

{

"Id": "Policy1707641020927",

"Version": "2012-10-17",

"Statement": [

{

"Sid": "Stmt1707641002345",

"Action": [

"s3:GetObject"

],

"Effect": "Allow",

"Resource": "arn:aws:s3:::mybucket-11--2-204/\*",

"Principal": "\*"

}

]

}

And paste in policy editor in AWS Console

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Then click on save changes

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Successfully edited bucket policy

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Check the DNS of the bucket URL again the browser

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It will show the bucket Contents

Now edit the demo.txt file and add the contents

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I want to update this file

Again go to object

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Again upload the Demo.txt file

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A screenshot of a computer

Description automatically generated

There is one copy of this file in the bucket

Now refre in broser and check the bucket DNS

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<https://mybucket-11--2-204.s3.ap-south-1.amazonaws.com/Demo.txt>

This means one copy of a same name

It overwrite exiting one

Now perform a delete operation

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Type permanently delete

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Nothing preset in bucket

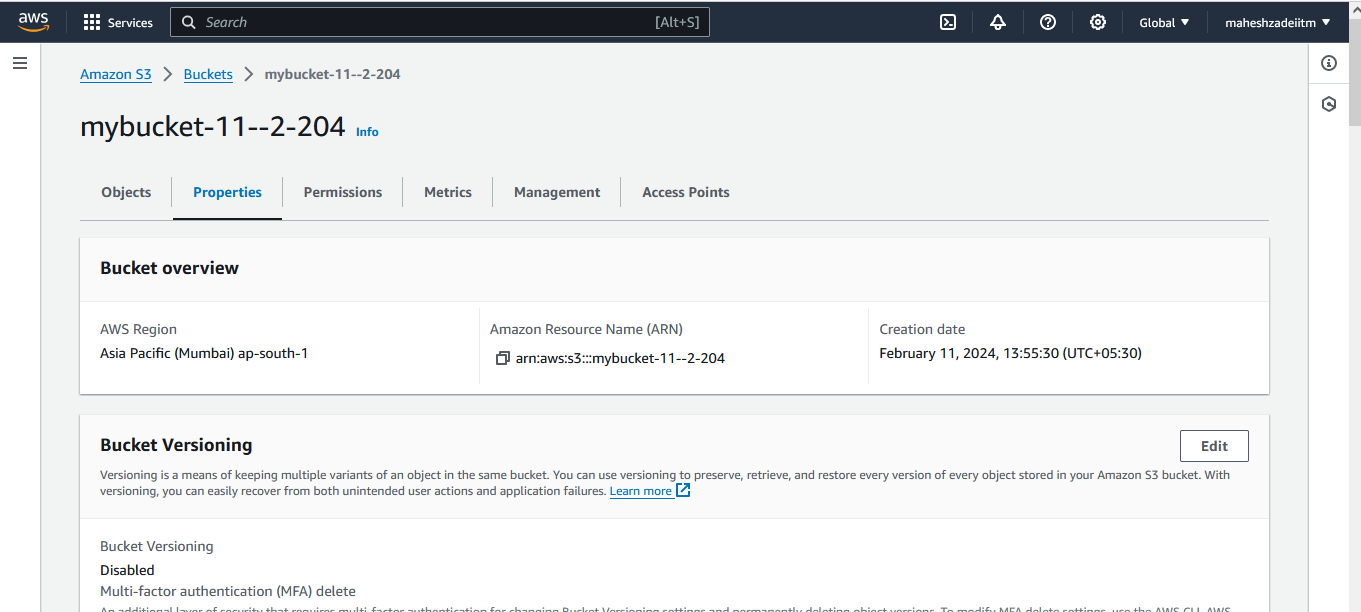
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No scope to restore it back.

Now let’s see the concept of versioning.

Go to properties and click on versioning.



Edit bucket versioing

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Go to edit and enable

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Description automatically generated

And save changes

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Go to object and it will show the show version button

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Versioning button or Switch to enable or disable

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Here we will the parent object

Now Click on CLI Icon

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This button is known as Cloud shell icon

Open this clous shell in new tab

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Description automatically generated

Click on Close

Create text file in cloushell by echo command

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Below comand

echo "This is atext file of understanding concept of versioing" >> demoversioning-10.02.2024.txt

Now copy this file in s3 bucket

And command is

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aws s3 cp demoversioning-10.02.2024.txt s3:// mybucket-11--2-204

command synatax

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Pls end in Cloudshell now

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Below command type

aws s3 cp demoversioning-10.02.2024.txt s3://mybucket-11--2-204

again go to bucket

and check bucket is available

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Select this Bucket and copy the URL



Paste the URL in browser

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Description automatically generated

A screenshot of a computer

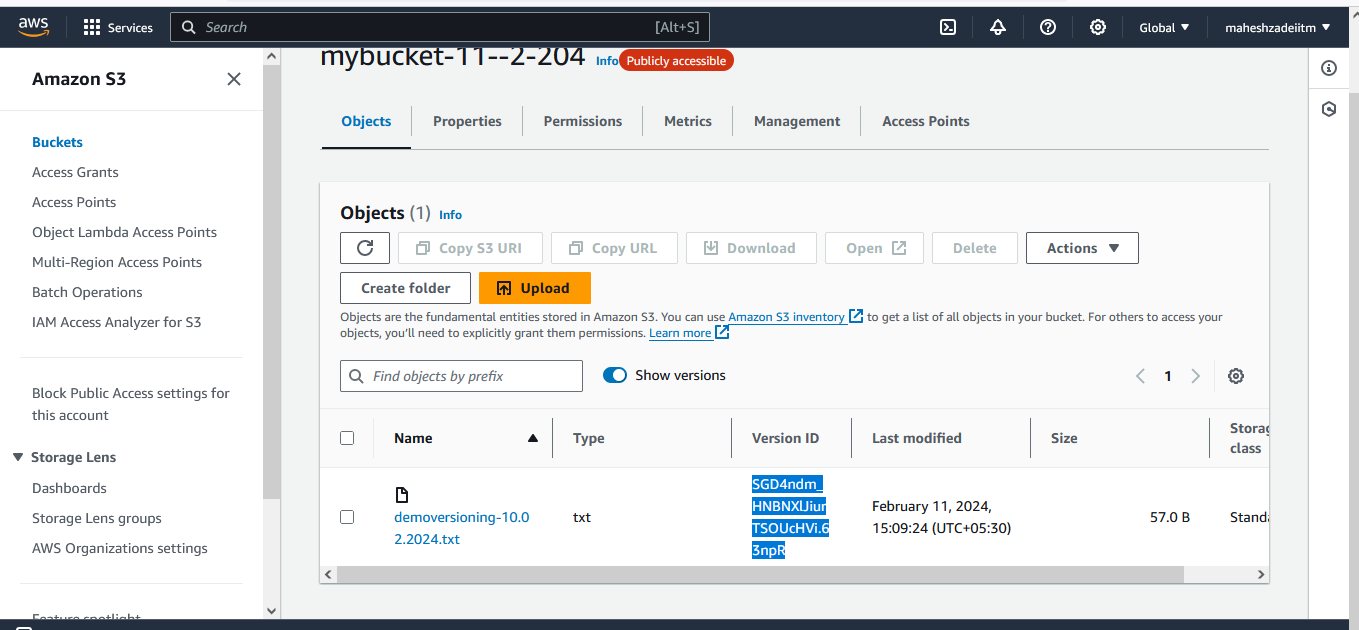
Description automatically generated

Now check the show version bitton

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It will show version ID



Now lest make the change in the bucket file

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Command is

echo "Appending a new line for versioning of a file" >> demoversioning-10.02.2024.txt

again, use the AWS Command

aws s3 cp demoversioning-10.02.2024.txt s3://mybucket-11--2-204

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Go back to object new versioing file created.

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Description automatically generated

Copy the URL

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URL of the version ID would be appended

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Description automatically generated

Need to append a version ID

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Edit bucket policy

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Description automatically generated

Need to give get object version permission.

And save

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Select s3 and then select get object version

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Now refresh the page again and u will get the page

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Deleting a object and deleting a object version is different

Deleting the object is undone

Deleting object version is cant be undone



Add delete marker to protect shield.

Delete marker is keyword

Shield to protect my object version

We talked about

A close-up of a whiteboard

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Versioning is done now