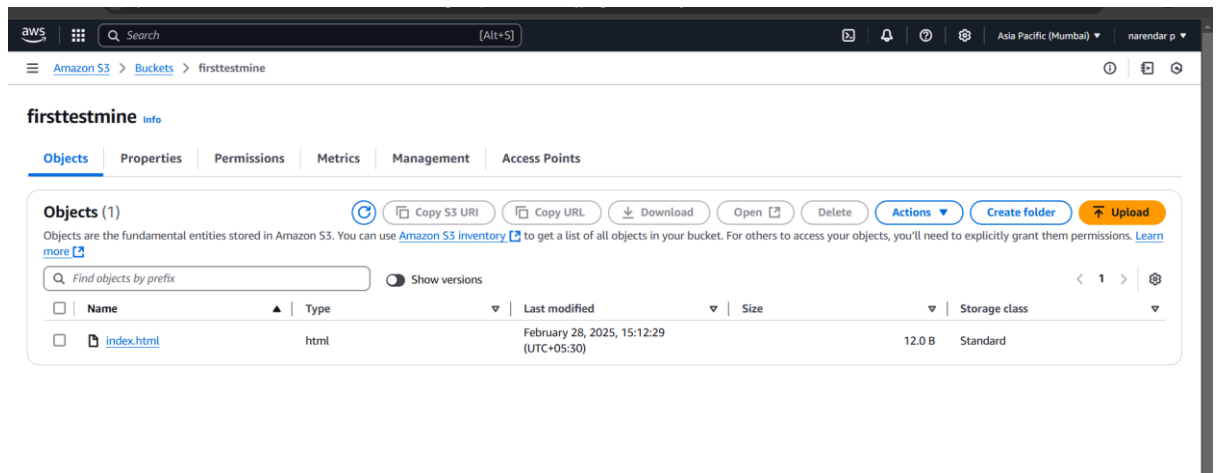


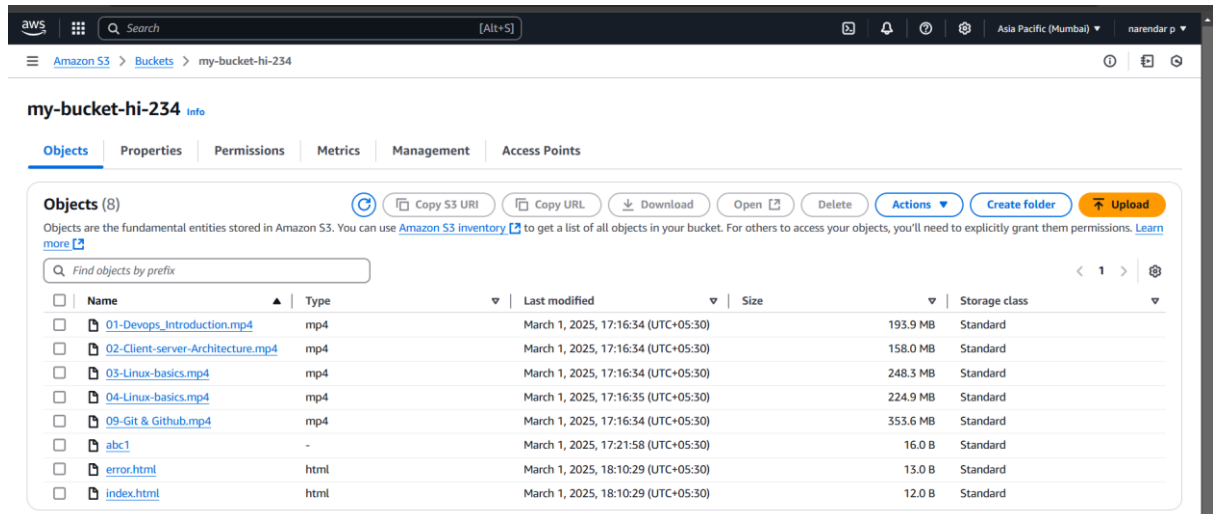
28-02-2025

TASK ON AWS S3 SERVICE

1) Create s3 bucket and upload some objects to s3:

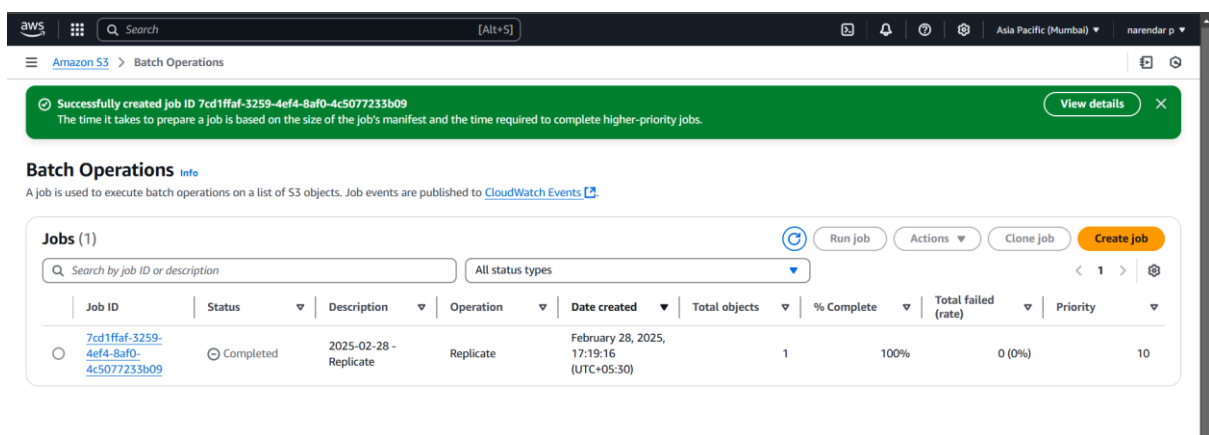
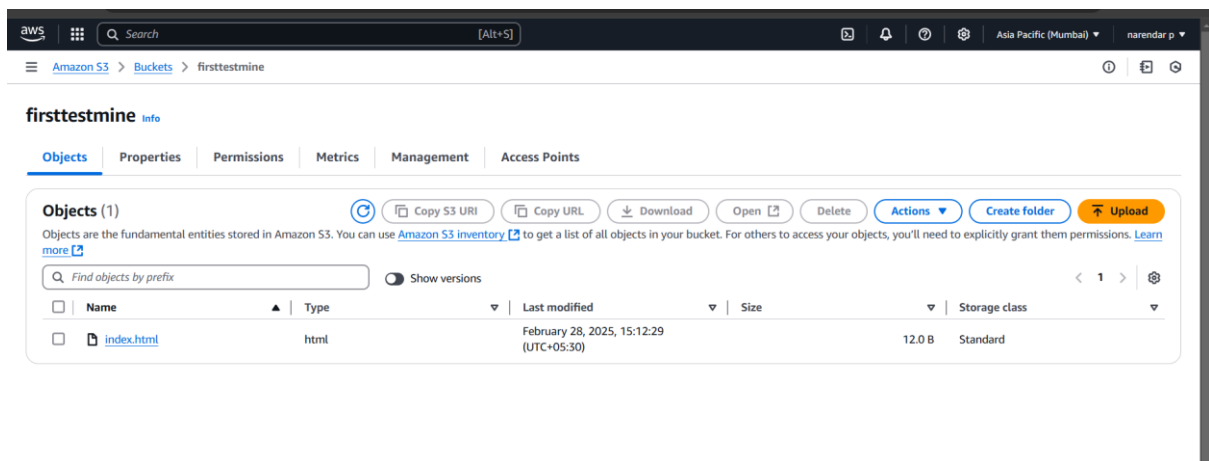


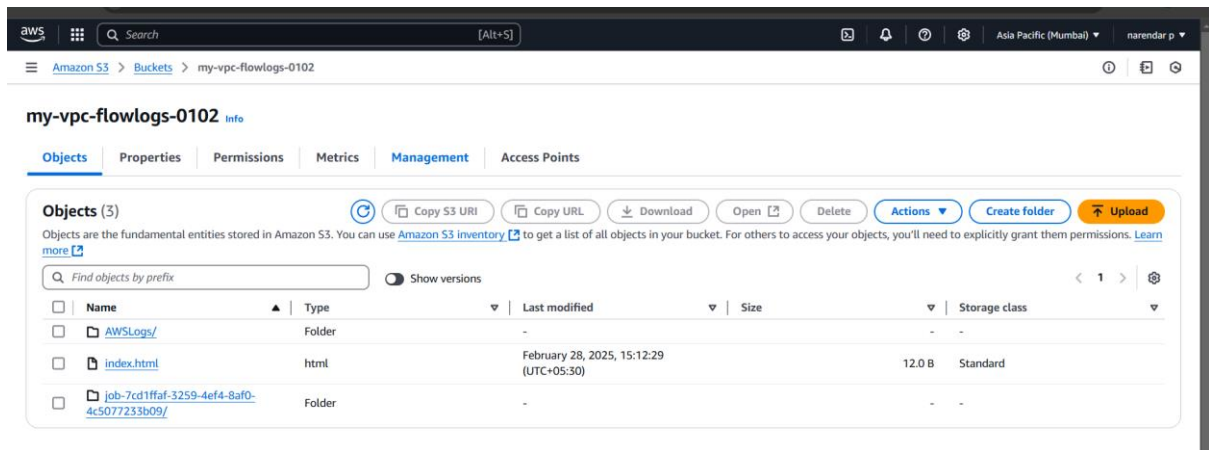
2) Deploy static website in s3 bucket:



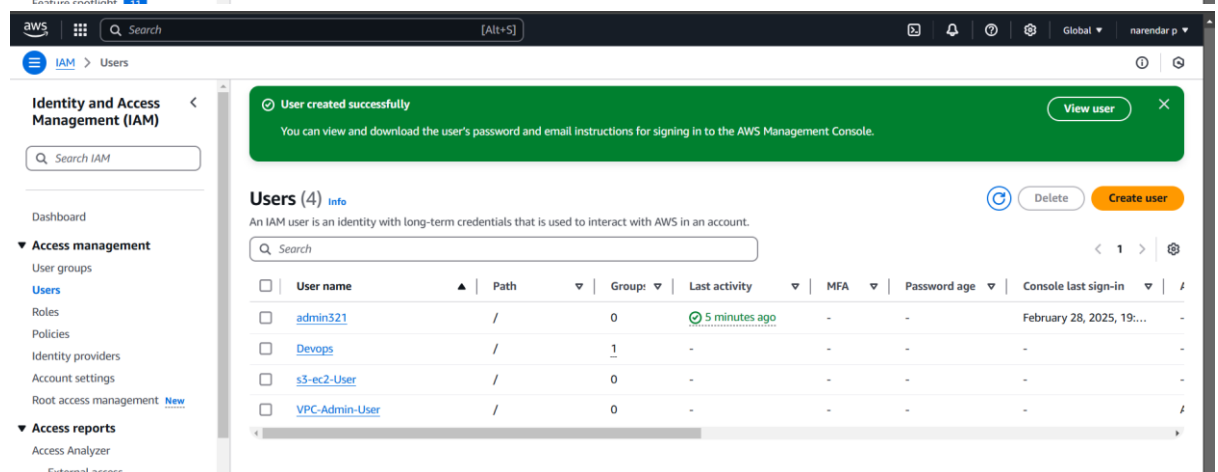
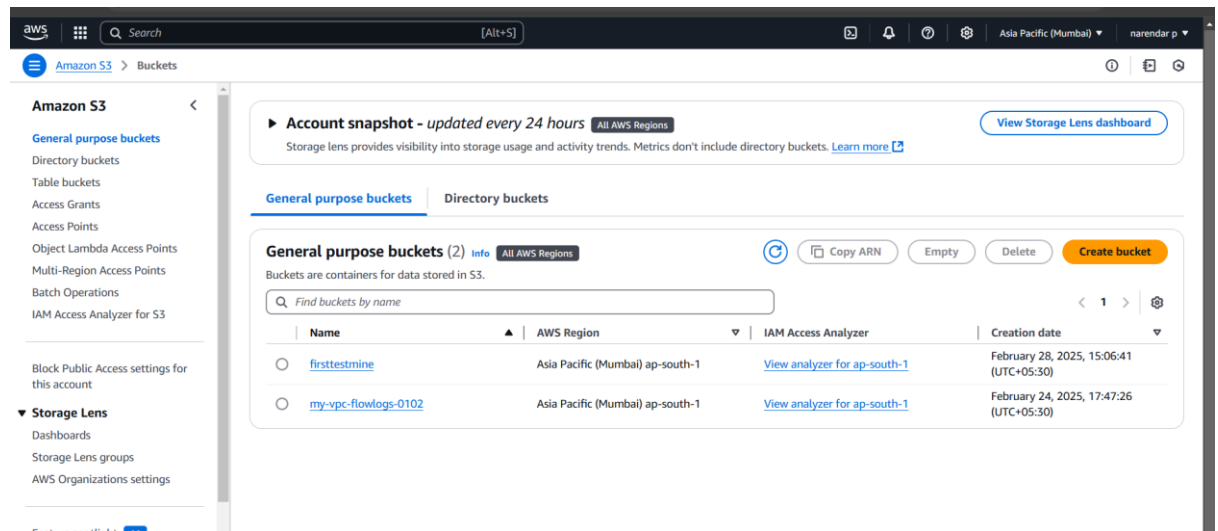


3) Enable cross region replication on s3 buckets:





4) Configure bucket policy, only Admin user can see the objects of s3 bucket:



aws Search [Alt+S] Global narendar p

IAM > Users > Create user

User created successfully
You can view and download the user's password and email instructions for signing in to the AWS Management Console. [View user](#)

Step 1 Specify user details
Step 2 Set permissions
Step 3 Review and create
Step 4 **Retrieve password**

Retrieve password

You can view and download the user's password below or email instructions for signing in to the AWS Management Console. This is the only time you can view and download this password.

Console sign-in details

[Email sign-in instructions](#)

Console sign-in URL
<https://971422718404.signin.aws.amazon.com/console>

User name
[admin321](#)

Console password
***** [Show](#)

[Cancel](#) [Download .csv file](#) [Return to users list](#)

aws Search [Alt+S] Europe (Stockholm) admin321 @ 9714-2271-8404

Amazon S3 > Buckets

Amazon S3

[General purpose buckets](#)
Directory buckets
Table buckets
Access Grants
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens
Dashboards
Storage Lens groups
AWS Organizations settings

Account snapshot - updated every 24 hours [All AWS Regions](#) [View Storage Lens dashboard](#)

Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

[General purpose buckets](#) [Directory buckets](#)

General purpose buckets (2) [Info](#) [All AWS Regions](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

Buckets are containers for data stored in S3.

	Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/>	firsttestmine	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	February 28, 2025, 15:06:41 (UTC+05:30)
<input type="radio"/>	my-vpc-flowlogs-0102	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	February 24, 2025, 17:47:26 (UTC+05:30)

5) Setup lifecycle policies to automatically transition or delete objects based on specific criteria:

aws Search [Alt+S]

Amazon S3 > Buckets > firsttestmine > Lifecycle configuration

The rule "awss3" has been successfully added and the lifecycle configuration has been updated
It may take some time for the configuration to be updated. Refresh the lifecycle rules list if changes to the configuration aren't displayed.

Lifecycle configuration

To manage your objects so that they are stored cost effectively throughout their lifecycle, configure their lifecycle. A lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. Lifecycle rules run once per day.

Default minimum object size for transitions
All storage classes 128K

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 a specified period of time. [Learn more](#)

Find lifecycle rules by name

< 1 > ⚙

Lifecycle rule name	Status	Scope	Current version acti...	Noncurrent version...	Expired object delet...	Incomplete multipar...
awss3	Enabled	Entire bucket	Transition to Glacier Instant	-	-	-

aws Search [Alt+S]

Amazon S3 > Buckets > firsttestmine > Lifecycle configuration > awss3

Lifecycle rule configuration

Lifecycle rule name
awss3

Status
Enabled

Scope
Entire bucket

Prefix
-

Object tags
-

Minimum object size
-
When no minimum object size is specified, the minimum object size for transitions is determined by the lifecycle configuration. [Learn more](#)

Maximum object size
-

Review transition and expiration actions

Current version actions

Day 0

- Objects uploaded

↓

Day 60

- Objects move to Glacier Instant Retrieval

↓

Day 90

Noncurrent versions actions

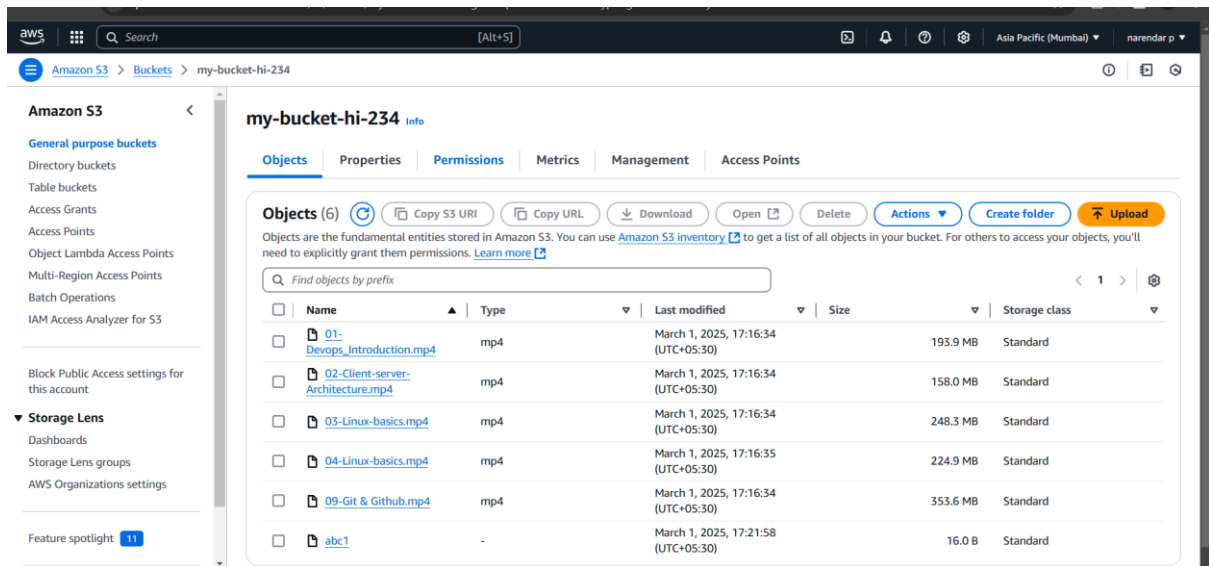
Day 0
No actions defined.

6) Push some objects in s3 using AWS CLI:

```

MINGW64/C:/Users/naren/Desktop
naren@narendar MINGW64 ~/Desktop (master)
$ ls
Slack.Ink* 'TASK ON VPC.docx' 'Task on Git and Git Hub.docx' 'Task on git snd git hub.docx' desktop.ini ec2-vpc.pem file123.docx file1gb/
naren@narendar MINGW64 ~/Desktop (master)
$ vi abc1
naren@narendar MINGW64 ~/Desktop (master)
$ ls
Slack.Ink* 'TASK ON VPC.docx' 'Task on Git and Git Hub.docx' 'Task on git snd git hub.docx' abc1 desktop.ini ec2-vpc.pem file123.docx file1gb/
naren@narendar MINGW64 ~/Desktop (master)
$ aws s3 ls
2023-03-01 17:15:40 my-bucket-hi-234
naren@narendar MINGW64 ~/Desktop (master)
$ aws s3 cp abc1 s3://my-bucket-hi-234/
upload: .\abc1 to s3://my-bucket-hi-234/abc1
naren@narendar MINGW64 ~/Desktop (master)
$

```



7) Write a bash script to create s3 bucket:

```

naren@narendar MINGW64 ~/Desktop (master)
$ vi s3.bash
naren@narendar MINGW64 ~/Desktop (master)
$ chmod 755 s3.bash
naren@narendar MINGW64 ~/Desktop (master)
$ ./s3.bash
AWS Access Key ID [*****EXZK]: AKIA6ELKOLHC0BFY2BWF
AWS Secret Access Key [*****9M7r]: gNCwuewakGZrps6PA5e2fMA7EU9nqh9NqpP1G0ga
Default region name [ap-south-1]:
Default output format [json]:
give a bucket name to create : bucket-globe
make_bucket failed: s3://bucket-globe an error occurred (SignatureDoesNotMatch)
when calling the CreateBucket operation: The request signature we calculated doe
s not match the signature you provided. Check your key and signing method.
not created
naren@narendar MINGW64 ~/Desktop (master)
$ ./s3.bash
AWS Access Key ID [*****2BWF]: AKIA6ELKOLHC0BFY2BWF
AWS Secret Access Key [*****9M7r]: gNCwuewakGZrps6PA5e2fMA7EU9nqh9NqpP1G0ga
Default region name [ap-south-1]:
Default output format [json]:
give a bucket name to create : itfguhjiuhg8765rtyiu
make_bucket failed: s3://itfguhjiuhg8765rtyiu an error occurred (SignatureDoe
sNotMatch) when calling the CreateBucket operation: The request signature we cal
culated does not match the signature you provided. Check your key and signing me
thod.
not created
naren@narendar MINGW64 ~/Desktop (master)
$ aws configure
AWS Access Key ID [*****2BWF]: AKIA6ELKOLHC0BFY2BWF
AWS Secret Access Key [*****9M7r]: gNCwuewakGZrps6PA5e2fMA7EU9nqh9NqpP1G0ga
Default region name [ap-south-1]:
Default output format [json]:
naren@narendar MINGW64 ~/Desktop (master)
$ aws configure
AWS Access Key ID [*****2BWF]: AKIA6ELKOLHC0BFY2BWF
AWS Secret Access Key [*****9M7r]: gNCwuewakGZrps6PA5e2fMA7EU9nqh9NqpP1G0ga
Default region name [ap-south-1]:
Default output format [json]:
naren@narendar MINGW64 ~/Desktop (master)
$ ./s3.bash
AWS Access Key ID [*****36FG]: AKIA6ELKOLHC0BFY2BWF
AWS Secret Access Key [*****G0ga]: gNCwuewakGZrps6PA5e2fMA7EU9nqh9NqpP1G0ga
Default region name [ap-south-1]:
Default output format [json]:
give a bucket name to create : fdnhdhgcnbvjhgfhdgd
make_bucket: fdnhdhgcnbvjhgfhdgd
created successfully

```

```

naren@narendar MINGW64 ~/Desktop (master)
$ cat s3.bash
#!/bin/bash

aws configure

read -p "give a bucket name to create : " BUCKET_NAME

aws s3 mb s3://$BUCKET_NAME

if [[ $? -eq 0 ]]; then
    echo "created successfully"
else
    echo "not created "
fi

```

Amazon S3 console interface showing the 'General purpose buckets' section. The page displays a list of buckets, including 'fdnhdhgcnbvjhgfdhgd' and 'my-bucket-hi-234', both located in the Asia Pacific (Mumbai) region. The 'my-bucket-hi-234' bucket is highlighted, showing its creation date as March 1, 2025, 17:15:37 (UTC+05:30). The interface includes a sidebar with navigation options like 'General purpose buckets', 'Directory buckets', and 'Access Grants'. A top navigation bar shows the user is logged in as 'narendar p' in the 'Asia Pacific (Mumbai)' region.

8) Upload one 1 gb of file to s3 using cli:

```
naren@narendar MINGW64 ~/Desktop (master)
$ aws --version
aws-cli/2.24.15 Python/3.12.9 Windows/11 exe/AMD64

naren@narendar MINGW64 ~/Desktop (master)
$ aws configure
AWS Access Key ID [None]: AKIA6ELKOLHCLHY3EXZK
AWS Secret Access Key [None]: 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
Default region name [None]: ap-south-1
Default output format [None]: json

naren@narendar MINGW64 ~/Desktop (master)
$ ls
Slack.Ink*      'Task on Git and Git Hub.docx'  desktop.ini    file123.docx
'TASK ON VPC.docx' 'Task on git snd git hub.docx'  ec2-vpc.pem    file1gb/

naren@narendar MINGW64 ~/Desktop (master)
$ aws s3 cp file1gb s3://my-bucket-hi-234/ --recursive
upload: file1gb\01-Devops_Introduction.mp4 to s3://my-bucket-hi-234/01-Devops_Introduction.mp4
upload: file1gb\02-Client-server-Architecture.mp4 to s3://my-bucket-hi-234/02-Client-server-Architecture.mp4
upload: file1gb\04-Linux-basics.mp4 to s3://my-bucket-hi-234/04-Linux-basics.mp4
upload: file1gb\03-Linux-basics.mp4 to s3://my-bucket-hi-234/03-Linux-basics.mp4
upload: file1gb\09-Git & Github.mp4 to s3://my-bucket-hi-234/09-Git & Github.mp4
```

Amazon S3 console interface showing the 'my-bucket-hi-234' bucket details. The 'Objects' tab is selected, displaying a list of objects uploaded from the command line. The objects include '01-Devops_Introduction.mp4', '02-Client-server-Architecture.mp4', '03-Linux-basics.mp4', '04-Linux-basics.mp4', and '09-Git & Github.mp4'. Each object is shown with its name, type (mp4), last modified date, size, and storage class (Standard). The interface also includes a sidebar with navigation options like 'Objects', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'.