

Name : NAVIYA DHARSHINI

ROLL NUM : 23AD083

Day 02 (03/07/2025)

AWS Cloud Services Report

Overview

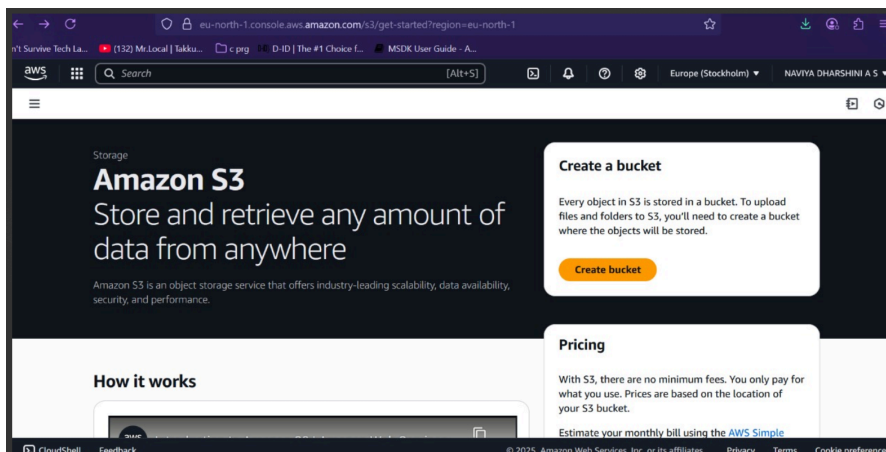
Amazon Web Services (AWS) provides scalable cloud solutions through services categorized into:

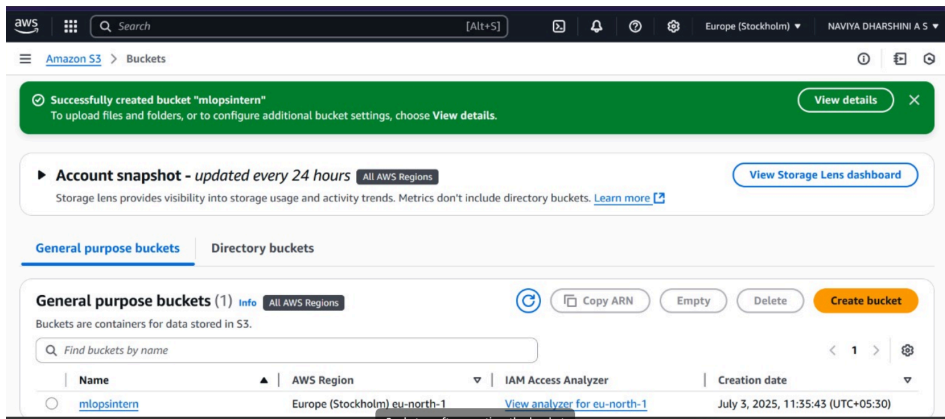
- **Compute** (e.g., EC2, Lambda)
- **Storage** (e.g., S3, EBS)
- **Database** (e.g., RDS, DynamoDB)

These services allow users to deploy, manage, and scale apps without owning physical infrastructure.

STORAGE SERVICES

◆ 1. Amazon S3 (Simple Storage Service)



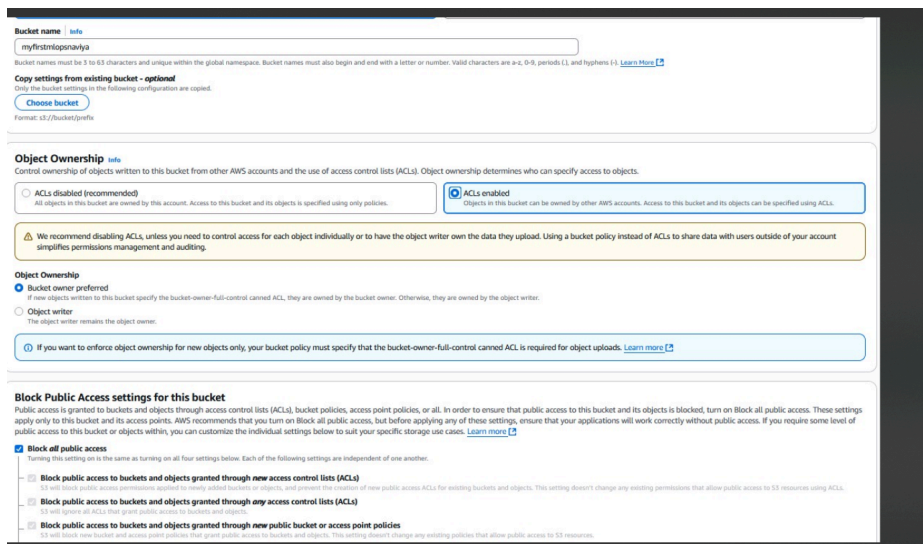


Use: Store files, images, backups, static websites, logs, etc.

🔧 Steps to Use:

1. Login to AWS Console → Search “S3”

2. Click **Create Bucket**



3. Set:

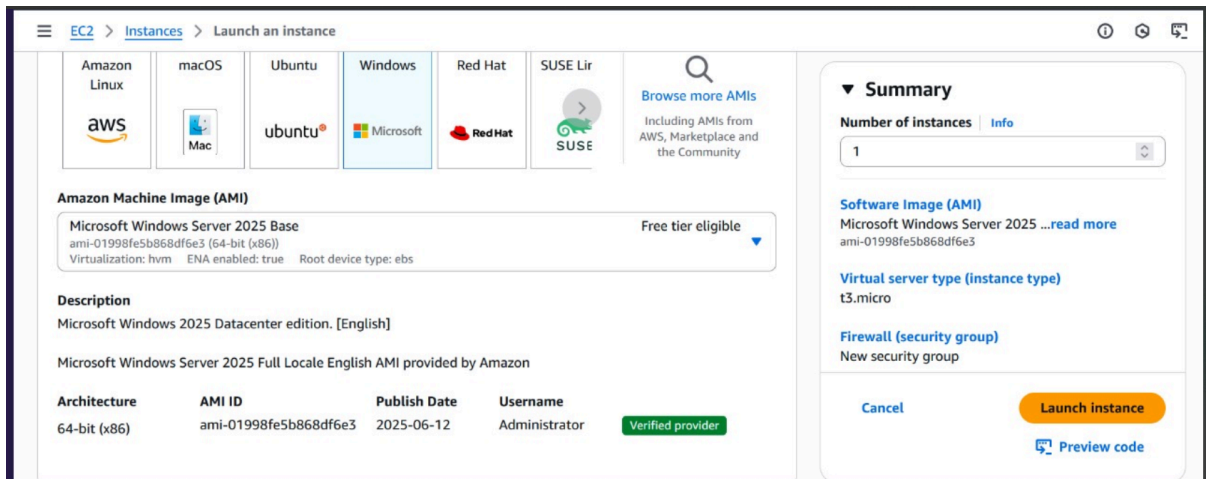
- Bucket Name (unique)

- Region

4. Keep default settings (or enable public access if hosting static website)

5. Upload files → Done

◆ 2. Amazon EBS (Elastic Block Store)



Use: Storage volumes for EC2 instances (like a hard disk attached to your virtual machine)

Steps to Use:

1. Go to EC2 Dashboard → Volumes
2. Click **Create Volume**
3. Choose size, type (e.g., gp2)
4. Attach the volume to a running EC2 instance
5. Login to EC2 and mount the volume (via terminal)

COMPUTE SERVICES

◆ 3. Amazon EC2 (Elastic Compute Cloud)

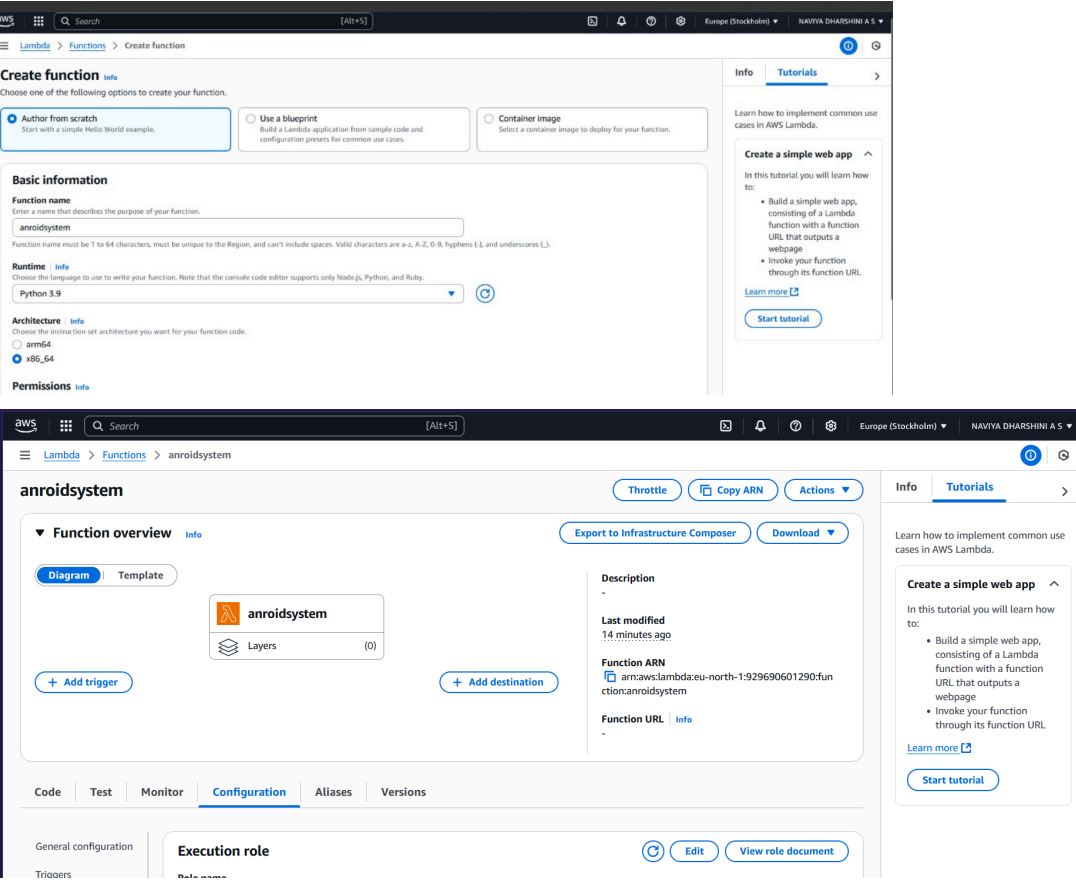
Use: Launch and manage virtual servers (Linux/Windows)

Steps to Use:

1. AWS Console → EC2 → Launch Instance
2. Choose:
 - AMI (e.g., Ubuntu)
 - Instance Type (e.g., t2.micro for free tier)

- Key Pair (.pem file)
 - Security Group (allow SSH or HTTP)
3. Launch → Copy Public IP
 4. Connect via SSH

◆ 4. AWS Lambda



The screenshot shows the AWS Lambda console. The top section is the 'Create function' wizard, where 'Author from scratch' is selected. The 'Basic information' section shows the function name 'anroidsystem' and runtime 'Python 3.9'. The 'Architecture' section shows 'x86_64' selected. The 'Permissions' section is also visible. The bottom section shows the 'anroidsystem' function overview, including the 'Function overview' tab with a diagram, 'Add trigger' and 'Add destination' buttons, and the 'Configuration' tab with 'Execution role' and 'View role document' buttons.

Name	Status	Date modified	Type	Size
android	🔄	26-06-2025 11:12	Microsoft Excel Com...	7 KB
diabetes	🔄	26-06-2025 11:12	Microsoft Excel Com...	24 KB

Use: Run code without managing servers (serverless)

Steps to Use:

1. AWS Console → Lambda → Create Function
 2. Choose “Author from Scratch”
 3. Set:
 - Function Name
 - Runtime (e.g., Python 3.11, Node.js 18.x)
 4. Paste your code inside inline editor
 5. Add trigger (API Gateway / S3 / EventBridge etc.)
 6. Deploy and test
-

DATABASE SERVICES

◆ 5. Amazon RDS (Relational Database Service)

Use: Managed databases (MySQL, PostgreSQL, Oracle, etc.)

Steps to Use:

1. AWS Console → RDS → Create Database
 2. Choose Engine (e.g., MySQL)
 3. Set DB instance size, credentials, storage
 4. Enable public access (if needed)
 5. Launch DB → Copy endpoint
 6. Connect via any SQL tool (e.g., MySQL Workbench)
-

◆ Bonus: DynamoDB (NoSQL Database)

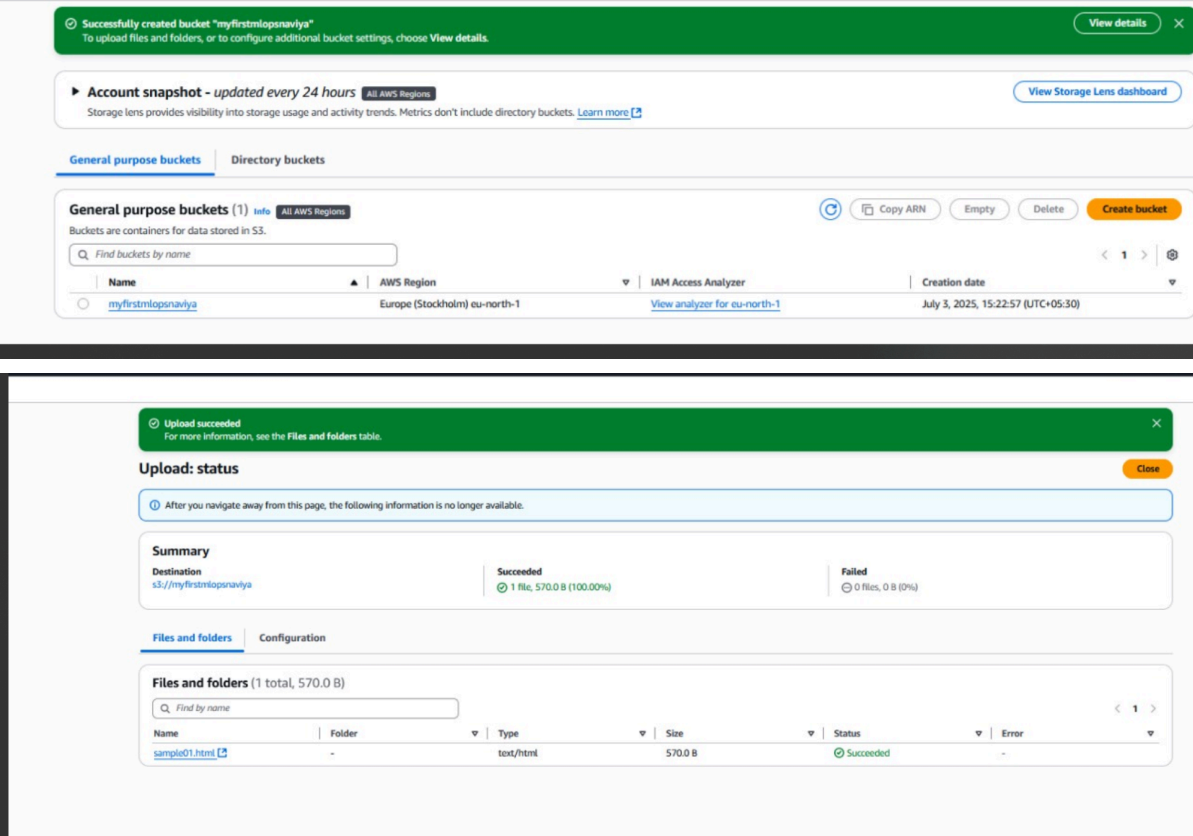
Use: Fast, scalable key-value store

Steps to Use:

1. AWS Console → DynamoDB → Create Table
2. Set:
 - Table name
 - Primary Key
3. Create → Add data via console or APIs.

-----XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX-----

Output :



The screenshot displays the AWS S3 console interface. At the top, a green notification bar states "Successfully created bucket 'myfirstmlopsnaviya'" with a "View details" link. Below this, the "Account snapshot" section is visible. The main area shows the "General purpose buckets" tab, with a table listing the bucket "myfirstmlopsnaviya" in the "Europe (Stockholm) eu-north-1" region, created on "July 3, 2025, 15:22:57 (UTC+05:30)".

Below the bucket list, the "Upload: status" section is shown, indicating a successful upload. A summary table shows 1 file (570.0 B) succeeded and 0 files (0 B) failed. The "Files and folders" tab is active, displaying a table with one entry: "sample01.html" (text/html, 570.0 B) with a status of "Succeeded".

Name	Folder	Type	Size	Status	Error
sample01.html	-	text/html	570.0 B	Succeeded	-