

Cycle 08 AWS Homework

Project: Multi-Tier AWS Storage Deployment for Data Engineering Workloads

1. Project Overview

- The objective is to implement a **multi-tier storage architecture** in AWS.
- The design includes:
 - **EBS**: For high-performance block-level storage used by databases like MySQL/PostgreSQL.
 - **EFS**: For scalable, shared file storage across multiple EC2 instances.
 - **S3**: For object storage used in backups and archiving.
- Supporting services:
 - **EC2, VPC, IAM, ASG, ALB, CloudWatch**

2. Project Scope

A. VPC Setup

- Create a custom **VPC (10.0.0.0/16)**
- Subnet Configuration:
 - **Public subnet** (e.g., 10.0.1.0/24) — for ALB, NAT Gateway
 - **Private subnet** (e.g., 10.0.2.0/24) — for EC2 database and app instances
- Add **Internet Gateway (IGW)** for public access
- Add **NAT Gateway** in the public subnet so that private subnet EC2s can access the internet
- Configure **Route Tables** accordingly

B. Storage Tiers

1. EBS (Elastic Block Store)

- Attach a **50 GB gp3 volume** to EC2 in the private subnet
- Use for **MySQL or PostgreSQL** storage
- EBS is used for **high IOPS** transactional data

2. EFS (Elastic File System)

- Shared file system across **multiple EC2s** (usually web/app servers)
- Mountable on multiple AZs
- Ideal for **logs, shared content, application data**

3. S3 (Simple Storage Service)

- Create S3 bucket with **versioning enabled**
- Use for:
 - Backup of EBS snapshots
 - Syncing EFS data
 - Long-term archival

C. Compute and Automation

1. EC2

- EC2 in **private subnet** for MySQL (database layer)
- EC2 in **public subnet** for web application access (optional)
- Attach EBS to DB EC2
- Mount EFS to web EC2s

2. Auto Scaling Group (ASG)

- Create a **Launch Template** including:
 - AMI, Instance Type

- User Data script to **mount EFS**
- Create ASG with:
 - Minimum: 1 instance
 - Maximum: 3 or more
- Deploy EC2s across **multiple AZs** for high availability

3. Application Load Balancer (ALB)

- Deploy ALB in **public subnet**
- Configure listener rules (e.g., port 80)
- Target group to point to **ASG EC2s**
- ALB will distribute traffic to healthy EC2s

4. Backup Automation (Optional)

- Set up **AWS Backup** or a **Lambda function**
- Automate:
 - Daily EBS snapshots
 - EFS to S3 sync using cron jobs or Lambda triggers

3. Step-by-Step Implementation

Step 1: VPC & Networking

- Create VPC, public/private subnets in different AZs
- Attach IGW, create NAT Gateway
- Configure route tables and subnet associations

Step 2: EC2 & EBS

- Launch EC2 in private subnet
- Attach 50 GB EBS (gp3)

- Install and configure MySQL
- Enable port 3306 internally if needed

Step 3: EFS Setup

- Create EFS in the same region and VPC
- Add **mount targets** in each subnet/AZ
- Mount EFS on multiple EC2s via:

```
bash
CopyEdit
sudo mount -t efs <FileSystemId>:/ /mnt/efs
```

- Validate shared storage by creating files on one EC2 and accessing from another

Step 4: S3 Backup

- Create S3 bucket (enable versioning)
- Backup Options:
 - EBS: Use AWS Backup to take snapshots
 - EFS: Use `aws s3 sync` or Lambda to copy files

```
bash
CopyEdit
aws s3 sync /mnt/efs s3://your-bucket-name/
```

Step 5: Auto Scaling & Load Balancer

- Create Launch Template with EFS mount in User Data
- Create ASG with desired min/max
- Create ALB and configure target group with ASG

- Ensure ALB security group allows port 80/443
 - Validate traffic distribution and scaling behavior
-

4. Validation & Testing

- **Database Test:**
 - Insert data into MySQL
 - Stop/start EC2 and verify persistence (via EBS)
 - **EFS Test:**
 - Create a file from EC2-A
 - Check from EC2-B if the same file is accessible
 - **S3 Backup Test:**
 - Trigger a manual backup
 - Check S3 for new object or snapshot entries
-

5. Expected Outcomes

- Fully operational **multi-tier storage system**
- **Automated backup** strategy using S3
- **Scalable compute layer** with high availability
- Secure VPC isolation and access control

Screenshot of the AWS VPC Console showing the list of VPCs. The 'multi-tier-vpc' is selected.

Name	VPC ID	State	Block Public...	IPv4 CIDR	IPv6 CIDR
-	vpc-00dcef4d69d6b4f5d	Available	Off	172.31.0.0/16	-
multi-tier-vpc	vpc-061ef2b4395aa14fe	Available	Off	10.0.0.0/16	-

Details for VPC vpc-061ef2b4395aa14fe / multi-tier-vpc:

VPC ID vpc-061ef2b4395aa14fe	State Available	Block Public Access Off	DNS hostnames Disabled
DNS resolution Enabled	Tenancy default	DHCP option set dopt-054b8349af0580a30	Main route table rtb-0cd6c487d350e672b
Main network ACL nat-004131-C702B6-#E	Default VPC multi-tier-vpc	IPv4 CIDR 10.0.0.0/16	IPv6 pool

Screenshot of the AWS VPC Console showing the list of Subnets. The 'public-subnet-a' and 'private-subnet-a' are selected.

Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR
-	subnet-00bb156050e0ef090	Available	vpc-00dcef4d69d6b4f5d	Off	172.31.32.0/2
-	subnet-0a14d154b1b33442a	Available	vpc-00dcef4d69d6b4f5d	Off	172.31.0.0/20
public-subnet-a	subnet-091ed7c214f2e5c0d	Available	vpc-061ef2b4395aa14fe multi-tier-vpc	Off	10.0.1.0/24
private-subnet-a	subnet-01f125029f98eed82	Available	vpc-061ef2b4395aa14fe multi-tier-vpc	Off	10.0.2.0/24

Select a subnet

RouteTables | VPC Console

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTables:

aws Search [Alt+S]

VPC > Route tables

Virtual private cloud

- Your VPCs
- Subnets
- Route tables**
- Internet gateways
- Egress-only Internet gateways
- DHCP option sets
- Elastic IPs
- Managed prefix lists
- NAT gateways
- Peering connections

Security

- Network ACLs
- Security groups

PrivateLink and Lattice

- Getting started [Updated](#)
- Endpoints [Updated](#)
- Endpoint services
- Service networks [Updated](#)
- Lattice services
- Resource

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Route tables (1/4) Info Actions Create route table

Last updated 3 minutes ago

Name	Route table ID	Explicit subnet associations	Main	VPC
default	rtb-005dsbb3045fcfee	2 subnets	–	vpc-00dcef4d69d6b4f5d
public route	rtb-08451736b82e7838a	subnet-091ed7c214f2e5cd / public-subnet-a	–	vpc-061ef2b4395aa14fe multi-tier-vpc
–	rtb-0cd6c487d350e672b	–	–	vpc-061ef2b4395aa14fe multi-tier-vpc
private route	rtb-044b008b0a9af001a	subnet-01f125029f98ee...	–	vpc-061ef2b4395aa14fe multi-tier-vpc

rtb-08451736b82e7838a / public route

Details Routes Subnet associations Edge associations Route propagation Tags

Details

Route table ID rtb-08451736b82e7838a	Main No	Explicit subnet associations subnet-091ed7c214f2e5cd / public-subnet-a	Edge associations –
VPC vpc-061ef2b4395aa14fe multi-tier-vpc	Owner ID 845958739988		

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VPC | ap-south-1

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-08451736b82e7838a

aws Search [Alt+S]

VPC > Route tables > rtb-08451736b82e7838a

rtb-08451736b82e7838a / public route

Actions

Details

Route table ID rtb-08451736b82e7838a	Main No	Explicit subnet associations subnet-091ed7c214f2e5cd / public-subnet-a	Edge associations –
VPC vpc-061ef2b4395aa14fe multi-tier-vpc	Owner ID 845958739988		

Routes Subnet associations Edge associations Route propagation Tags

Routes (2)

Destination	Target	Status	Propagated
0.0.0.0/0	igw-0291f184be2b9bf76	Active	No
10.0.0.0/16	local	Active	No

Both Edit routes

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The screenshot shows the AWS VPC Route Table Details page. The route table ID is rtb-08451736b82e7838a. The main details section shows the route table ID, Main status (No), Owner ID (vpc-061ef2b4395aa14fe | multi-tier-vpc), and explicit subnet associations (subnet-091ed7c214f2e5c0d / public-subnet-a). The Subnet associations tab is selected, showing one explicit association for public-subnet-a with CIDR 10.0.1.0/24. The Edge associations tab is empty. The Subnets without explicit associations section shows no results.

The screenshot shows the AWS Internet Gateways page. There is one internet gateway listed: multi-tier-igw, with Internet gateway ID igw-0291f184be2b9bf76, State Attached, VPC ID vpc-061ef2b4395aa14fe | multi-tier-vpc, and Owner 84595873998. A message at the bottom says "Select an internet gateway above".

NatGateways | VPC Console

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#NatGateways:

VPC > NAT gateways

NAT gateways (1) Info

Name	NAT gateway ID	Connectivity...	State	State message	Primary public I...	Primary private
my-nat-gateway	nat-0d93da96afcd733d5	Public	Available	-	3.7.246.235	10.0.1.247

Select a NAT gateway

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VPC | ap-south-1

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#NatGatewayDetails:natGatewayId=nat-0d93da96afcd733d5

VPC > NAT gateways > nat-0d93da96afcd733d5 / my-nat-gateway

nat-0d93da96afcd733d5 / my-nat-gateway

Actions

Details

NAT gateway ID nat-0d93da96afcd733d5	Connectivity type Public	State Available	State message -
NAT gateway ARN arn:aws:ec2:ap-south-1:84595873998:8:natgateway/nat-0d93da96afcd733d5	Primary public IPv4 address 3.7.246.235	Primary private IPv4 address 10.0.1.247	Primary network interface ID eni-04db0178cc8df8c11
VPC vpc-061ef2b4395aa14fe / multi-tier-vpc	Subnet subnet-091ed7c214f2e5c0d / public-subnet-a	Created Monday 4 August 2025 at 18:48:48 GM T+5:30	Deleted -

Secondary IPv4 addresses

Secondary IPv4 addresses are not available for this nat gateway.

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VPC | ap-south-1 C08 AWS DE - Multi-Tier AWS Download history

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-044b008b0a9af001a

aws Search [Alt+S] Asia Pacific (Mumbai) CHETAN @ 8459-5873-9988

VPC > Route tables > rtb-044b008b0a9af001a / private route

Details Info

Route table ID rtb-044b008b0a9af001a	Main No	Explicit subnet associations subnet-01f125029f98eed82 / private-subnet-a	Edge associations -
VPC vpc-061ef2b4395aa14fe multi-tier-vpc	Owner ID 845958739988		

Routes Subnet associations Edge associations Route propagation Tags

Routes (2)

Destination	Target	Status	Propagated
0.0.0.0/0	nat-0d93da96afcd733d5	Active	No
10.0.0.16	local	Active	No

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VPC | ap-south-1 C08 AWS DE - Multi-Tier AWS Download history

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-044b008b0a9af001a

aws Search [Alt+S] Asia Pacific (Mumbai) CHETAN @ 8459-5873-9988

VPC > Route tables > rtb-044b008b0a9af001a / private route

Details Info

Route table ID rtb-044b008b0a9af001a	Main No	Explicit subnet associations subnet-01f125029f98eed82 / private-subnet-a	Edge associations -
VPC vpc-061ef2b4395aa14fe multi-tier-vpc	Owner ID 845958739988		

Subnet associations

Explicit subnet associations (1)

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
private-subnet-a	subnet-01f125029f98eed82	10.0.2.0/24	-

Subnets without explicit associations (0)

The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table:

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
No subnets without explicit associations			

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Screenshot of the AWS VPC Network ACLs page:

Network ACLs (1/2) Info

Name	Network ACL ID	Associated with	Default	VPC ID	Info
acl-0975189a079266a78	acl-0975189a079266a78	2 Subnets	Yes	vpc-00dcef4d69d6b4f5d	2 Int
multi-tier nacl	acl-094171a6797b0a4fe	2 Subnets	Yes	vpc-061ef2b4395aa14fe / multi-tier-vpc	2 Int

Details

Details

Network ACL ID acl-094171a6797b0a4fe	Associated with 2 Subnets	Default Yes	VPC ID vpc-061ef2b4395aa14fe / multi-tier-vpc
Owner 845958739988			

Screenshot of the AWS VPC Network ACLs page, showing the details of the selected Network ACL:

Details

Network ACL ID acl-094171a6797b0a4fe	Associated with 2 Subnets	Default Yes	VPC ID vpc-061ef2b4395aa14fe / multi-tier-vpc
Owner 845958739988			

Inbound rules (2)

Rule number	Type	Protocol	Port range	Source	Allow/Deny
100	All traffic	All	All	0.0.0.0/0	Allow
*	All traffic	All	All	0.0.0.0/0	Deny

Screenshot of the AWS EC2 Instances page showing two running t2.micro instances: 'private-instance' and 'public-instance'. Both instances have 2/2 checks passed and are located in 'ap-south-1a'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
private-instance	i-0c91335d91f6fe434	Running	t2.micro	2/2 checks passed	View alarms	ap-south-1a	-
public-instance	i-0a3e1cf9a53d5b1c7	Running	t2.micro	2/2 checks passed	View alarms	ap-south-1a	-

Select an instance:

Screenshot of the AWS EC2 Instance details page for instance 'i-0a3e1cf9a53d5b1c7'. The instance is a public t2.micro instance with the following details:

- Instance ID:** i-0a3e1cf9a53d5b1c7
- IPv6 address:** -
- Hostname type:** IP name: ip-10-0-1-117.ap-south-1.compute.internal
- Answer private resource DNS name:** -
- Auto-assigned IP address:** 65.2.180.30 [Public IP]
- IAM Role:** -
- IMDSv2:** Required
- Operator:** -
- Public IPv4 address:** 65.2.180.30 | [open address](#)
- Instance state:** Running
- Private IP DNS name (IPv4 only):** ip-10-0-1-117.ap-south-1.compute.internal
- Instance type:** t2.micro
- VPC ID:** vpc-061ef2b4395aa14fe (multi-tier-vpc)
- Subnet ID:** subnet-091ed7c214f2e5c0d (public-subnet-a)
- Instance ARN:** arnaws:ec2:ap-south-1:845958739988:instance/i-0a3e1cf9a53d5b1c7
- Private IPv4 addresses:** 10.0.1.117
- Public DNS:** -
- Elastic IP addresses:** -
- AWS Compute Optimizer finding:** Opt-in to AWS Compute Optimizer for recommendations. | Learn more
- Auto Scaling Group name:** -
- Managed:** false

Instance details | EC2 | ap-south-1 C C08 AWS DE - Multi-Tier AWS Download history X +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#InstanceDetails:instanceId=i-0c91335d91f6fe434

warn Search [Alt+S] Actions Instance state Connect Download history

EC2 > Instances > i-0c91335d91f6fe434

Instance summary for i-0c91335d91f6fe434 (private-instance) Info

Updated less than a minute ago

Instance ID i-0c91335d91f6fe434	Public IPv4 address -	Private IP addresses 10.0.2.193
IPv6 address -	Instance state Running	Public DNS -
Hostname type IP name: ip-10-0-2-193.ap-south-1.compute.internal	Private IP DNS name (IPv4 only) ip-10-0-2-193.ap-south-1.compute.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address -	VPC ID vpc-061ef2b4395aa14fe (multi-tier-vpc)	Auto Scaling Group name -
IAM Role -	Subnet ID subnet-01f125029f98eed82 (private-subnet-a)	Managed false
IMDSv2 Required	Instance ARN arn:aws:ec2:ap-south-1:845958739988:instance/i-0c91335d91f6fe434	
Operator -		

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Volumes | EC2 | ap-south-1 C C08 AWS DE - Multi-Tier AWS Download history X +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Volumes:

warn Search [Alt+S] Actions Create volume Choose filter set Search

Volumes (1/3) Info

Last updated less than a minute ago

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Source volume ID	Create
<input checked="" type="checkbox"/> add 1	vol-0738306e4089aa540	gp3	5 GiB	3000	125	-	-	2025/
<input type="checkbox"/>	vol-0d46ac232f0c9b5ba	gp3	8 GiB	3000	125	snap-0b1af51...	-	2025/
<input type="checkbox"/>	vol-0cb084b9257b407e3	gp3	8 GiB	3000	125	snap-0b1af51...	-	2025/

Volume ID: vol-0738306e4089aa540 (add 1)

Details Status checks Monitoring Tags

Volume ID vol-0738306e4089aa540 (add 1)	Size 5 GiB	Type gp3	Status check Okay
AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more	Volume state In-use	IOPS 3000	Throughput 125
Fast snapshot restored No	Availability Zone ap-south-1a	Created Mon Aug 04 2025 18:56:30 GMT+0530 (India Standard Time)	Multi-Attach enabled No

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```

ubuntu@ip-10-0-1-117:~ x + ~
xvdf 202:80 0 5G 0 disk
ubuntu@ip-10-0-1-117:~$ sudo mkfs -t ext4 /dev/xvdf
mke2fs 1.47.0 (5-Feb-2023)
/dev/xvdf contains a ext4 file system
created on Mon Aug 4 13:46:23 2025
Proceed anyway? (y,N) yes
Creating filesystem with 1310720 4k blocks and 327680 inodes
Filesystem UUID: 9ed324ea-147e-4883-9ec9-f5cbf477ad80
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912, 819200, 884736
Allocating group tables: done
Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done

ubuntu@ip-10-0-1-117:~$ sudo mkdir /mnt/mydata
mkdir: cannot create directory '/mnt/mydata': File exists
ubuntu@ip-10-0-1-117:~$ sudo mount /dev/xvdf /mnt/mydata
ubuntu@ip-10-0-1-117:~$ df -h
Filesystem      Size   Used  Avail Use% Mounted on
/dev/root       6.8G   4.8G   2.0G  30% /
tmpfs          479M     0  479M   0% /dev/shm
tmpfs          192M   884K  191M   1% /run
tmpfs          5.0M     0  5.0M   0% /run/lock
/dev/xvda16     881M   86M   734M  11% /boot
/dev/xvda15     185M   6.2M   99M   6% /boot/efi
tmpfs          96M   12K   96M   1% /run/user/1000
/dev/xvdf       4.9G   24K   4.6G  1% /mnt/mydata
ubuntu@ip-10-0-1-117:~$ history
1 sudo apt-get update
2 lsblk
3 sudo mkfs -t ext4 /dev/xvdf
4 sudo mkdir /mnt/mydata
5 sudo mount /dev/xvdf /mnt/mydata
6 df -h
7 history
ubuntu@ip-10-0-1-117:~$ |

```



```

root@ip-10-0-1-117:~ x + ~
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /usr/lib/systemd/system/docker.socket.
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.5) ...
Scanning processes...
Scanning candidates...
Scanning linux images...

Running kernel seems to be up-to-date.

Restarting services...

Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systemctl restart getty@tty1.service
systemctl restart networkd-dispatcher.service
systemctl restart serial-getty@tty5.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
ubuntu @ session #8: sshd[2771,2832]
ubuntu @ user manager service: systemd[2776]

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-10-0-1-117:~# history
1 for pkg in docker.io docker-doc docker-compose docker-compose-v2 podman-docker containerd runc; do sudo apt-get remove $pkg; done
2 # Add Docker's official GPG key:
3 sudo apt-get update
4 sudo apt-get install ca-certificates curl
5 sudo install -m 0755 -d /etc/apt/keyrings
6 sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -
7 sudo chmod a+r /etc/apt/keyrings/docker.asc
8 # Add the repository to Apt sources:
9 echo "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \
$(. /etc/os-release && echo "${UBUNTU_CODENAME:-$VERSION_CODENAME}" stable)" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
10 sudo apt-get update
11 sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
12 history
root@ip-10-0-1-117:~# |

```



```

Command Prompt
Restarting services...
Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systemctl restart getty@tty1.service
systemctl restart networkd-dispatcher.service
systemctl restart serial-getty@ttyS0.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
ubuntu @ session #8: sshd[2771,2832]
ubuntu @ user manager service: systemd[2776]

No VM guests are running outdated hypervisor (qemu) binaries on this host.

root@ip-10-0-1-117:~# history
 1 for pkg in docker.io docker-doc docker-compose docker-compose-v2 podman-docker containerd runc; do sudo apt-get remove $pkg; done
 2 # Add Docker's official GPG key:
 3 sudo apt-get update
 4 sudo apt-get install ca-certificates curl
 5 sudo install -m 0755 -d /etc/apt/keyrings
 6 sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.asc
 7 sudo chmod a+r /etc/apt/keyrings/docker.asc
 8 # Add the repository to Apt sources:
 9 echo "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \
$ . /etc/os-release && echo "$UBUNTU_CODENAME-$VERSION_CODENAME" stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
10 sudo apt-get update
11 sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
12 history
root@ip-10-0-1-117:~# exit
logout
ubuntu@ip-10-0-1-117:~$ exit
logout
There are stopped jobs.
ubuntu@ip-10-0-1-117:~$ exit
logout
Connection to 65.2.180.30 closed.

C:\Users\cheta\Downloads>

```

```

root@ip-10-0-1-117:~
compliance features.

https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

9 updates can be applied immediately.
9 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

*** System restart required ***
Last login: Mon Aug  4 13:49:22 2025 from 115.98.54.40
ubuntu@ip-10-0-1-117:~$ sudo -i
root@ip-10-0-1-117:~# docker run -d --name adminer -p 8080:8080 adminer
Unable to find image 'adminer:latest' locally
latest: Pulling from library/adminer
9824c27679d3: Pull complete
7565e232339a: Pull complete
ffdb2a0bd505: Pull complete
ae380186847c: Pull complete
14216fea9896: Pull complete
dea0f0a363b4: Pull complete
0381291ccc91: Pull complete
f10cf07b6ede: Pull complete
26b490b106aa: Pull complete
0135fd844033: Pull complete
66abe5621a36: Pull complete
02dca077fb4b: Pull complete
4ff4fb700fe54: Pull complete
b55df2c41a76: Pull complete
ea73e0e10a34: Pull complete
5dfe0584f8cd: Pull complete
0fffd97f4f4f7: Pull complete
Digest: sha256:bced3a16f17d537547d613523246125f3dd73effeb109e3cefa6124996bfbbd2
Status: Downloaded newer image for adminer:latest
20bc2b849cbc65989d783db1f2b21be81e69954960cb14b2ad460f3b59bcc34
root@ip-10-0-1-117:~#

```

Inbound rules

Security group rule ID	Type	Protocol	Port range	Source	Description - optional
sgr-003e04496c40e7599	SSH	TCP	22	Custom	0.0.0.0/0
sgr-034dc1171e38479fd	SSH	TCP	22	Custom	::/0
sgr-09b5a136c56d67671	HTTP	TCP	80	Custom	::/0
sgr-089e91539e408bad9	HTTP	TCP	80	Custom	::/0
-	Custom TCP	TCP	8080	Anyw...	0.0.0.0/0
-	Custom TCP	TCP	8080	Anyw...	::/0

Add rule

⚠ Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Login

System: MySQL / MariaDB
Server: db
Username:
Password:
Database:

```
ubuntu@ip-10-0-1-230:~ + ~
194a2b6bd74c admniner "entrypoint.sh docke..." 11 minutes ago Up 11 minutes 0.0.0.0:8080->8080/tcp, [::]:8080->8080/tcp admniner
root@ip-10-0-1-230:~# exit
logout
ubuntu@ip-10-0-1-230:~$ exit
logout
Connection to 13.233.167.251 closed.

C:\Users\cheta\Downloads>sftp -i "projectkey.pem" ubuntu@13.233.167.251
Connected to 13.233.167.251.
sftp> put projectkey.pem
Uploading projectkey.pem to /home/ubuntu/projectkey.pem
projectkey.pem                                     100% 1678     9.4KB/s   00:00
sftp> exit

C:\Users\cheta\Downloads>ssh -i "projectkey.pem" ubuntu@13.233.167.251
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1029-aws x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/pro

System information as of Mon Aug 4 15:51:53 UTC 2025

System load: 0.0 Processes: 112
Usage of /: 38.3% of 6.71GB Users logged in: 0
Memory usage: 28% IPv4 address for enX0: 10.0.1.230
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

104 updates can be applied immediately.
66 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Mon Aug 4 15:36:27 2025 from 115.98.54.40
ubuntu@ip-10-0-1-230:~$
```



```
ubuntu@ip-10-0-2-48:~ + ~
See https://ubuntu.com/esm or run: sudo pro status

Last login: Mon Aug 4 15:36:27 2025 from 115.98.54.40
ubuntu@ip-10-0-1-230:~$ chmod 400 projectkey.pem
ubuntu@ip-10-0-1-230:~$ ssh -i "projectkey.pem" ubuntu@10.0.2.48
The authenticity of host '10.0.2.48 (10.0.2.48)' can't be established.
ED25519 key fingerprint is SHA256:naVTGT+Hs6PB54u6ss5HjJ2nKAYQu2jQeZYnlBb5yQ0.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.2.48' (ED25519) to the list of known hosts.
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1029-aws x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/pro

System information as of Mon Aug 4 15:54:03 UTC 2025

System load: 0.08 Processes: 104
Usage of /: 25.3% of 6.71GB Users logged in: 0
Memory usage: 21% IPv4 address for enX0: 10.0.2.48
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
```



```

root@ip-10-0-2-48:~# sudo -i
root@ip-10-0-2-48:# apt-get update -y
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease [126 kB]
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [28328 B]
Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1312 kB]
Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [263 kB]
Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [164 kB]
Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1116 kB]
Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [286 kB]
Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [377 kB]
Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [26.0 kB]
Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [1645 kB]
Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [359 kB]
Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [33.2 kB]
Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [6772 kB]
Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [948 B]
Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [592 B]
Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [39.9 kB]
Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main Translation-en [9152 B]

Hot days ahead
27°C
```

```

root@ip-10-0-2-48:~# $ docker run --name mysql -e MYSQL_ROOT_PASSWORD=Welcome01 -d -p 3306:3306 mysql:8.0
$: command not found
root@ip-10-0-2-48:~# docker run --name mysql -e MYSQL_ROOT_PASSWORD=Welcome01 -d -p 3306:3306 mysql:8.0
Unable to find image "mysql:8.0" locally
8:0: Pulling from library/mysql
3ea90c3a51a3: Pull complete
412b40dd8698: Pull complete
a293f5002d9d: Pull complete
9f0f08fc9741: Pull complete
7b30228e08f8: Pull complete
0f360e336144: Pull complete
b89cea52f4dc: Pull complete
84fc7cdca4b5: Pull complete
f57a5269e710: Pull complete
4a7bd4cc2b57: Pull complete
dia2861a6885: Pull complete
Digest: sha256:bfeba808a674517c0b7bdb69e779a8b7cbb6a3b8017d873fc05e8a64e2e7b9c
Status: Downloaded newer image for mysql:8.0
a507722870bd9d0de2aa8ffffe6994d4789987c8eb8faa387a5327984b394a8958
root@ip-10-0-2-48:~# docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS               NAMES
a507722870bd        mysql:8.0          "docker-entrypoint.s..."   46 seconds ago    Up 46 seconds   0.0.0.0:3306->3306/tcp, [::]:3306->3306/tcp, 33060/tcp   mysql
root@ip-10-0-2-48:~# history
 1  apt-get update -y
 2  for pkg in docker.io docker-doc docker-compose docker-compose-v2 podman-docker containerd runc; do sudo apt-get remove $pkg; done
 3  # Add Docker's official GPG key:
 4  sudo apt-get update
 5  sudo apt-get install ca-certificates curl
 6  sudo install -m 0755 -d /etc/apt/keyrings
 7  sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo tee /etc/apt/keyrings/docker.asc
 8  sudo chmod a+r /etc/apt/keyrings/docker.asc
 9  # Add the repository to Apt sources:
10  echo "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \
$ . /etc/os-release && echo "${UBUNTU_CODENAME:-$VERSION_CODENAME}" stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
11  sudo apt-get update
12  sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
13  $ docker run --name mysql -e MYSQL_ROOT_PASSWORD=Welcome01 -d -p 3306:3306 mysql:8.0
14  docker run --name mysql -e MYSQL_ROOT_PASSWORD=Welcome01 -d -p 3306:3306 mysql:8.0
15  docker ps
16  history
root@ip-10-0-2-48:~|
```

Instance summary for i-075adb49291eb6cee (backend)

Updated less than a minute ago

Attribute	Value
Instance ID	i-075adb49291eb6cee
IPv6 address	-
Hostname type	IP name: ip-10-0-2-48.ap-south-1.compute.internal
Answer private resource DNS name	-
Auto-assigned IP address	-
IAM Role	-
IMDSv2	Required
Operator	-
Public IPv4 address	-
Instance state	Running
Private IP DNS name (IPv4 only)	ip-10-0-2-48.ap-south-1.compute.internal
Instance type	t2.micro
VPC ID	vpc-061ef2b4395aa1fe (multi-tier-vpc)
Subnet ID	subnet-01f125029f98eed82 (private-subnet-a)
Instance ARN	arn:aws:ec2:ap-south-1:845958739988:instance/i-075adb49291eb6cee
Private IPv4 addresses	10.0.2.48
Public DNS	-
Elastic IP addresses	-
AWS Compute Optimizer finding	Opt-in to AWS Compute Optimizer for recommendation s.
Auto Scaling Group name	-
Managed	false

Login

System: MySQL / MariaDB

Server: 10.0.2.48

Username: root

Password:

Database:

The screenshot shows the AWS CloudShell interface. At the top, there are multiple tabs open in the browser, including 'Instance details', 'ModifyInbound...', 'C08 AWS DE - M...', 'Ubuntu | Docker...', 'adminer - Official...', 'mysql - Official...', 'Login - 10.0.2.48...', and 'Login - mysql...'. The main area displays the AWS Management Console, specifically the EC2 > Security Groups > sg-01d7f7cd3d7a89f92 - launch-wizard-1 > Edit inbound rules page. The table lists several security group rules:

Security group rule ID	Type	Protocol	Port range	Source	Description - optional
sgr-0492d2d596399c46c	Custom TCP	TCP	8080	Custom	
sgr-003e04496c40e7599	SSH	TCP	22	Custom	
sgr-034dc1171e38479fd	SSH	TCP	22	Custom	
sgr-03c83b86d2b29c0b1	Custom TCP	TCP	8080	Custom	
sgr-09b5a136c56d67671	HTTP	TCP	80	Custom	
sgr-089e91539e408bad9	HTTP	TCP	80	Custom	
-	MySQL/Aurora	TCP	3306	Anywhere	
-	MySQL/Aurora	TCP	3306	Anywhere	

At the bottom of the screen, the CloudShell interface is visible, showing a terminal window with the command 'curl 13.233.167.251:8080/?server=10.0.2.48&username=root' and the output 'Not secure 13.233.167.251:8080/?server=10.0.2.48&username=root'. The status bar at the bottom right shows the date and time as 04-08-2025.

The screenshot shows the Adminer MySQL login interface. The URL in the browser is '13.233.167.251:8080/?server=10.0.2.48&username=root'. The page title is 'Login' and it includes the Adminer logo and version '5.3.0'. The form fields are:

System	MySQL / MariaDB
Server	10.0.2.187
Username	root
Password	*****
Database	

Below the form are two buttons: 'Login' and 'Permanent login'. The status bar at the bottom right shows the date and time as 04-08-2025.

MySQL » 10.0.2.187

Language: English

DB: mysql

Create database Privileges Process list Variables Status

MySQL version: 8.0.43 through PHP extension MySQLi

Logged as: root@10.0.1.230

Database	Refresh	Collation	Tables	Size	Compute
information_schema		utf8mb4_0900_ai_ci	?	?	?
mysql		utf8mb4_0900_ai_ci	?	?	?
performance_schema		utf8mb4_0900_ai_ci	?	?	?
sys		utf8mb4_0900_ai_ci	?	?	?

Selected (0)

Drop

Loaded plugins

- docker\DefaultServerPlugin: Prefills the "Server" field with the ADMINER_DEFAULT_SERVER environment variable.

MySQL » 10.0.2.187 > Database: mysql

Language: English

DB: mysql

Alter database Database schema Privileges

Tables and views

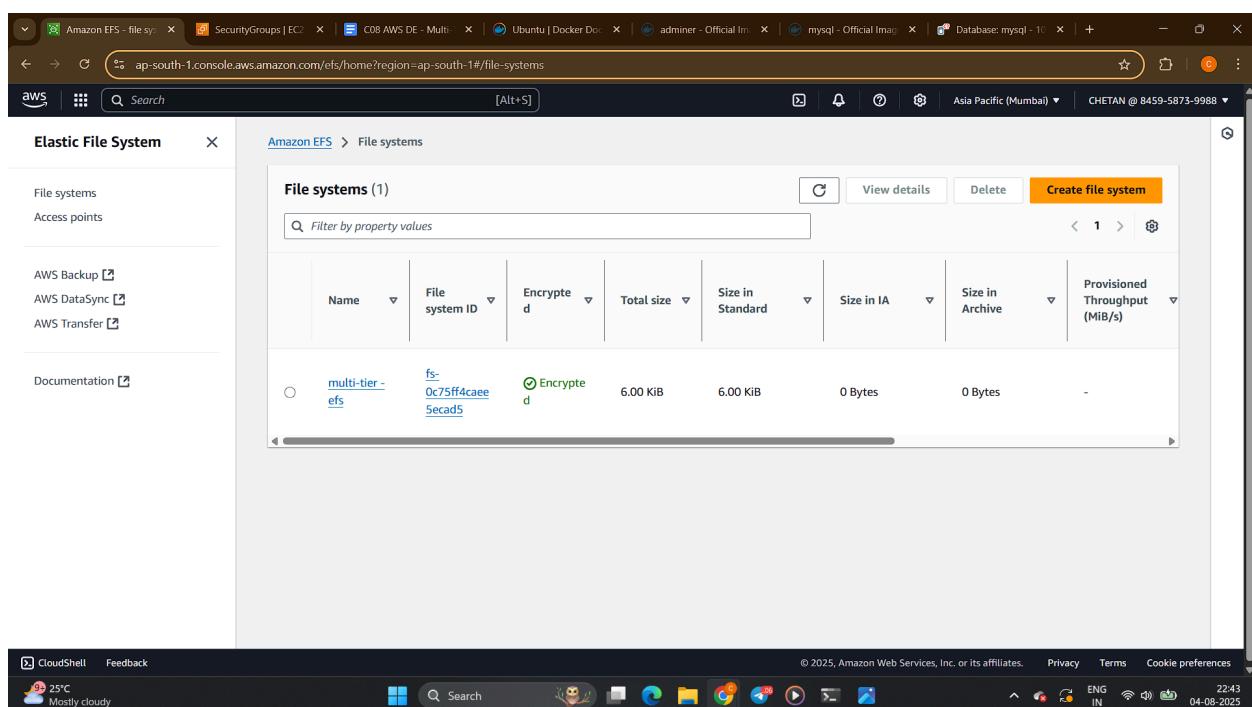
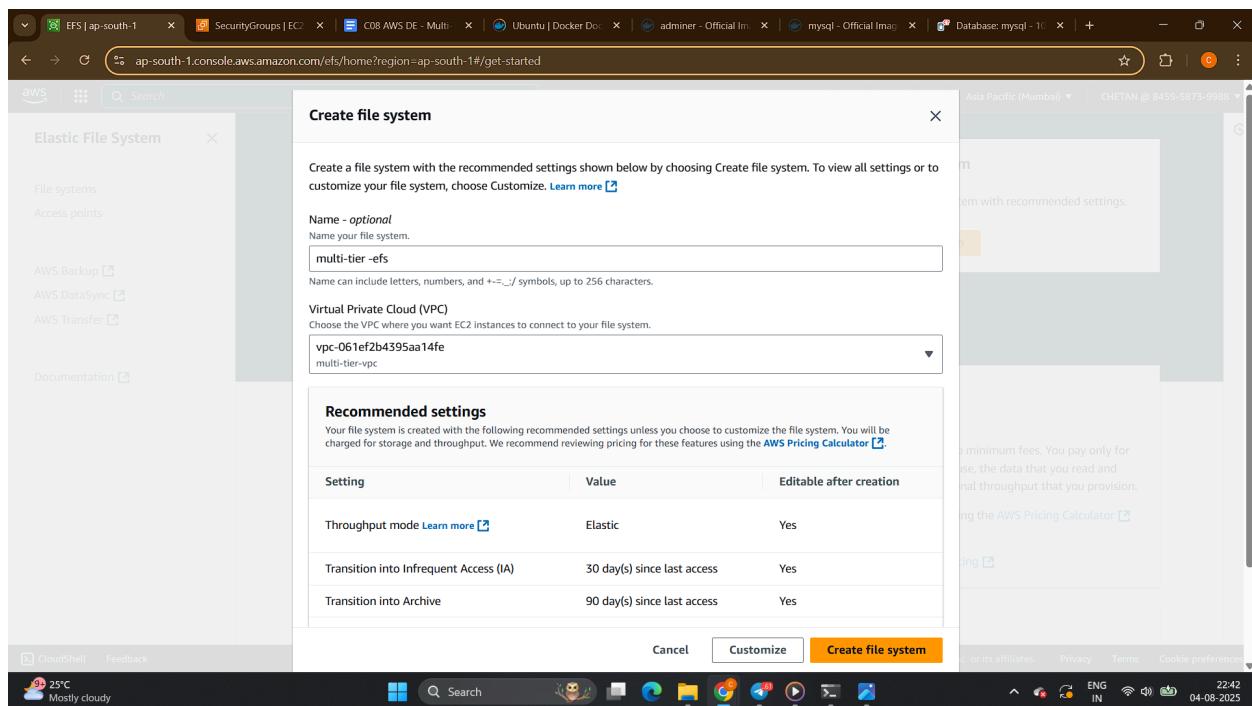
Search data in tables (38)

Table	Engine [?]	Collation [?]	Data Length [?]	Index Length [?]	Data Free [?]	Auto Increment [?]	Rows [?]	Comment [?]
columns_priv	InnoDB	utf8mb3_bin	16,384	0	4,194,304	?	~ 0	Column privileges
component	InnoDB	utf8mb3_general_ci	16,384	0	4,194,304	1	~ 0	Components
db	InnoDB	utf8mb3_bin	16,384	16,384	4,194,304	?	~ 2	Database privileges
default_roles	InnoDB	utf8mb3_bin	16,384	0	4,194,304	?	~ 0	Default roles
engine_cost	InnoDB	utf8mb3_general_ci	16,384	0	4,194,304	?	~ 2	
func	InnoDB	utf8mb3_bin	16,384	0	4,194,304	?	~ 0	User defined functions
general_log	CSV	utf8mb3_general_ci	0	0	0	?	~ 2	General log
global_grants	InnoDB	utf8mb3_bin	65,536	0	4,194,304	?	~ 104	Extended global grants
gtid_executed	InnoDB	utf8mb4_0900_ai_ci	16,384	0	4,194,304	?	~ 0	
help_category	InnoDB	utf8mb3_general_ci	16,384	16,384	4,194,304	?	~ 53	help categories
help_keyword	InnoDB	utf8mb3_general_ci	131,072	131,072	4,194,304	?	~ 1,016	help keywords
help_relation	InnoDB	utf8mb3_general_ci	98,304	0	4,194,304	?	~ 2,190	keyword-topic relation

Selected (0)

Analyze Optimize Check Repair Truncate Drop

Move to other database: mysql Move Copy overwrite



Launch template details

Launch template ID: lt-03ecb60586cb46a17

Launch template name: frontend-temp

Default version: 1

Owner: CHETAN @ 8459-5873-9988

Launch template version details

Version: 1 (Default)

Description: zzdbdfb

Date created: 2025-08-04T17:15:24.000Z

Created by: CHETAN @ 8459-5873-9988

Instance details	Storage	Resource tags	Network interfaces	Advanced details
AMI ID: ami-0f918f67a3323f0	Instance type: t2.micro		Availability Zone: ap-south-1	Key pair name: projectkey
Security groups: -	Security group IDs: sg-01d7f7cd3d7a89f92			

Create bucket

Buckets are containers for data stored in S3.

General configuration

AWS Region: Asia Pacific (Mumbai) ap-south-1

Bucket type: General purpose

Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

Bucket name: multi-tier-backups

Bucket names must be 3 to 63 characters and unique within the global namespace. Bucket names must also begin and end with a letter or number. Valid characters are a-z, 0-9, periods (.), and hyphens (-). [Learn More](#)

Copy settings from existing bucket - optional

Only the bucket settings in the following configuration are copied.

Choose bucket

Format: s3://bucket/prefix

Object Ownership

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

The screenshot shows the 'Create bucket' wizard in the AWS S3 console. The current step is 'Bucket Versioning'. It explains that versioning allows keeping multiple variants of an object in the same bucket. A note states that S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects. A 'Bucket Versioning' section has two options: 'Disable' (radio button) and 'Enable' (radio button, selected). Below this is a 'Tags - optional' section with a note about using tags to track storage costs and organize buckets. It shows a single tag named 'multi-tier-backup-plan' and a link to 'Add new tag'. A note says you can add up to 50 tags. At the bottom is a 'Default encryption' section stating that server-side encryption is automatically applied to new objects stored in this bucket. The 'Encryption type' dropdown is set to 'Server-side encryption with Amazon S3 managed keys (SSE-S3)'.

The screenshot shows the 'Create backup plan' wizard in the AWS Backup console. The current step is 'Backup rules'. It allows choosing a template plan with existing rules, currently set to 'Daily-35day-Retention'. A 'Backup plan name' field contains 'multi-tier-backup-plan'. Below is a 'Tags added to backup plan - optional' section. The 'Backup rules' section includes 'Add backup rule', 'Delete', and 'Edit' buttons. A table lists a single rule named 'DailyBackups' associated with the 'Default' backup vault. Under 'Advanced backup settings', there is a note about application-consistent backups and a checkbox for 'Windows VSS' which is unchecked. The browser status bar at the bottom indicates it's 23:14 on 04-08-2025.

Target groups (1) Info						
	Name	ARN	Port	Protocol	Target type	Load balancer
<input type="checkbox"/>	AdminerTargetGroup	arn:aws:elasticloadbalancing:us-east-1:123456789012:targetgroup/AdminerTargetGroup/5555555555555555	80	HTTP	Instance	AdminerALB

Load balancers (1/1)						
	Name	State	Type	Scheme	IP address type	VPC ID
<input checked="" type="checkbox"/>	AdminerALB	Active	application	Internet-facing	IPv4	vpc-0c0c1c20568523e9...

Auto Scaling groups (1) Info									
	Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availability Zones	Creation time
<input type="checkbox"/>	AdminerASG	MyLaunchTemplate Version Default	1	-	1	1	2	aps1-az1 [ap-sout...]	Mon Aug 04 2025 11:28:19 GMT+05

Verification:

```
Last login: Mon Aug  4 15:15:44 2025 from 49.204.16.30
ubuntu@ip-10-0-1-251:~$ sudo apt update
E: Invalid operation upate
ubuntu@ip-10-0-1-251:~$ echo "This is a test from EC2-1" | sudo tee /mnt/efs/test.t
This is a test from EC2-1
ubuntu@ip-10-0-1-251:~$ client_loop: send disconnect: Connection reset
```

```
Last login: Mon Aug  4 15:58:21 2025 from 49.204.16.30
ubuntu@ip-10-0-1-251:~$ cat /mnt/efs/test.txt
This is a test from EC2-1
```

aws/efs/automatic-backup-plan

aws/efs/automatic-backup-plan

Summary

Backup plan name	MWFIMmUwNTtYzgyNl00NjEzLTk0ODktZmE4MzkwMzIiY2Fj	Version ID	MWFIMmUwNTtYzgyNl00NjEzLTk0ODktZmE4MzkwMzIiY2Fj	Last modified	July 22, 2025, 20:51:50 (UTC+05:30)
Backup plan ID	aws/efs/73d922fb-9312-3a70-99c3-e69367f9fdad			Last Aug	

Backup rules (1)

Backup rules specify the backup schedule, backup window, and lifecycle rules.

Name	Backup vault	Destination Bac
aws/efs/automatic-backup-rule	aws/efs/automatic-backup-vault	-

Resource assignments (3)

Resource assignments specify which resources will be backed up by this Backup plan.

Name	IAM role ARN
aws/efs/automatic-backup-selection	arn:aws:iam::697244794668:role/aws-service-role/backup.amazonaws.com/AWSServiceRoleForBackup
DailyEBSBackupAssignment	arn:aws:iam::697244794668:role/service-role/AWSBackupDefaultServiceRole
DailyEBSBACKUP	arn:aws:iam::697244794668:role/service-role/AWSBackupDefaultServiceRole

Deleting Old Volume and restoring from snapshot:

AWS Backup

Snapshots (1/2) Info

Last updated less than a minute ago

Owned by me	Name	Snapshot ID	Full snapshot size	Volume size	Description	Storage tier	Snapshot status	Started	Progress
	snap-04a3f1140b8e5cf7f	0 B	50 GB	This snapshot is created by...	Standard	Completed	2025/08/04 22:11 GMT+5...	100%	
	Restored_Sna...	snap-0b2aa98d82b692661	8 GiB	8 GiB	This snapshot is created by...	Standard	Completed	2025/08/04 22:22 GMT+5...	100%

AWS Backup

Volumes (5) Info

Successfully attached volume vol-0dfb7a5281c28ef46 to instance i-0faa3760b2ca3279a.

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Source volume ID	Created	Available
vol-06ea50332f8688738	gp3	8 GiB	3000	125	snap-0b1af51...	-	2025/08/04 10:51 GMT+5...	ap-sou	
New_Volume	vol-0dfb7a5281c28ef46	gp3	50 GiB	3000	125	snap-0b2aa98...	-	2025/08/04 22:26 GMT+5...	ap-sou

> BCCF819C-6F92-4B19-88A3-2FB1227E0D71

<

Backup - BCCF819C-6F92-4B19-88A3-2FB1227E0D71

In backup job details, you can access records of your scheduled or on-demand backups.

Details

Recovery point ARN

[arn:aws:backup:ap-south-1:697244794668:recovery-point:ec81e3d4-894f-489e-9ccb-aa81fe222197](#)

Status

Completed

Resource name

MyEFS

Resource type

EFS

Creation date

July 30, 2025, 10:30:00 (UTC+05:30)

Completion date

July 30, 2025, 11:42:16 (UTC+05:30)

Backup size

73 B

IAM role

AWSServiceRoleForBackup

Backup plan

[aws/efs/automatic-backup-plan](#)

Backup rule name

[aws/efs/automatic-backup-rule](#)