

Day-3

```
[root@ip-172-31-85-166 ~]# /home/ec2-user/
[ec2-user@ip-172-31-85-166 ~]$ sudo su
[root@ip-172-31-85-166 ec2-user]# vim script.sh
[root@ip-172-31-85-166 ec2-user]# chmod u+script.sh
[root@ip-172-31-85-166 ec2-user]# ls
script.sh
[root@ip-172-31-85-166 ec2-user]# sh script.sh
[root@ip-172-31-85-166 ec2-user]# cd test_folder/
[root@ip-172-31-85-166 test_folder]# ls
test_file.txt
[root@ip-172-31-85-166 test_folder]# cat test_file.txt
THIS FILE IS CREATED THROUGH SHELL SCRIPT
[root@ip-172-31-85-166 test_folder]#
[root@ip-172-31-85-166 test_folder]#
[root@ip-172-31-85-166 test_folder]#
[root@ip-172-31-85-166 test_folder]#
[root@ip-172-31-85-166 test_folder]#
[root@ip-172-31-85-166 test_folder]# cat script.sh
cat: script.sh: No such file or directory
[root@ip-172-31-85-166 test_folder]# cd ..
[root@ip-172-31-85-166 ec2-user]# cat script.sh
#!/bin/bash

mkdir -p test_folder

echo "THIS FILE IS CREATED THROUGH SHELL SCRIPT" > test_folder/test_file.txt

[root@ip-172-31-85-166 ec2-user]# |
```

```
[root@ip-172-31-85-166 ~]# cd /home/vivek2/cool/idea/folder1
[root@ip-172-31-85-166 folder1]# cd ..
[root@ip-172-31-85-166 tasks]# ls
folder1 folder2 script1.sh
[root@ip-172-31-85-166 tasks]# tree
.
+-- folder1
    +-- newtest.txt
-- folder2
    +-- newtestfile.txt
-- script1.sh

2 directories, 3 files
[root@ip-172-31-85-166 tasks]# cd folder1
[root@ip-172-31-85-166 folder1]# ls
newtest.txt
[root@ip-172-31-85-166 folder1]# cat newtest.txt
This is a test file created by the script.
[root@ip-172-31-85-166 folder1]# cd ..
[root@ip-172-31-85-166 tasks]# cd folder2
[root@ip-172-31-85-166 folder2]# ls
newtestfile.txt
[root@ip-172-31-85-166 folder2]# cat newtestfile.txt
This is a test file created by the script.
[root@ip-172-31-85-166 folder2]# |
```

The screenshot shows a Windows desktop environment. At the top, a Microsoft Edge browser window is open to the Apache Tomcat/11.0.1 homepage. The page displays a green banner stating "If you're seeing this, you've successfully installed Tomcat. Congratulations!" It features a cartoon cat icon and links to recommended reading: Security Considerations How-To, Manager Application How-To, and Clustering/Session Replication How-To. The main menu includes Home, Documentation, Configuration, Examples, Wiki, and Mailing Lists. On the right, there are links for Find Help, Server Status, Manager App, and Host Manager. Below the banner, sections for Developer Quick Start, Documentation, and Getting Help are visible. The developer quick start section includes links for Tomcat Setup, First Web Application, Realms & AAA, JDBC Data Sources, Examples, Servlet Specifications, and Tomcat Versions. The documentation section links to Tomcat 11.0 Documentation, Tomcat 11.0 Configuration, and Tomcat Wiki. The getting help section links to FAQ and Mailing Lists, tomcat-announce, tomcat-users, taglibs-user, and tomcat-dev. At the bottom of the browser window, the taskbar shows the date as 02-12-2024 and the time as 12:45. The desktop background is black. In the foreground, a terminal window titled "User@ip-172-31-85-166 ~" is open, showing a command-line session where a file named "abc.txt" was created and listed. The taskbar at the bottom of the screen shows various pinned icons and the date as 4 December.

```
[User@ip-172-31-85-166 ~]$ ls
[User@ip-172-31-85-166 ~]$ touch abc.txt
[User@ip-172-31-85-166 ~]$ ls
abc.txt
[User@ip-172-31-85-166 ~]$ ls
abc.txt
[User@ip-172-31-85-166 ~]$
```

Day4

```
[root@ip-172-31-85-166:home/ec2-user]
[ec2-user@ip-172-31-85-166 ~]$ sudo su
[root@ip-172-31-85-166 ec2-user]# vim script.sh
[root@ip-172-31-85-166 ec2-user]# chmod u+script.sh
[root@ip-172-31-85-166 ec2-user]# ls
script.sh
[root@ip-172-31-85-166 ec2-user]# sh script.sh
[root@ip-172-31-85-166 ec2-user]# ls
[root@ip-172-31-85-166 ec2-user]# cd test_folder/
[root@ip-172-31-85-166 test_folder]# ls
test_file.txt
[root@ip-172-31-85-166 test_folder]# cat test_file.txt
THIS FILE IS CREATED THROUGH SHELL SCRIPT
[root@ip-172-31-85-166 test_folder]# rm test_file.txt
[root@ip-172-31-85-166 test_folder]# rm -r test_folder
[root@ip-172-31-85-166 ec2-user]# ls
[root@ip-172-31-85-166 ec2-user]# cd ..
[root@ip-172-31-85-166 ec2-user]# cat script.sh
#!/bin/bash
mkdir -p test_folder
echo "THIS FILE IS CREATED THROUGH SHELL SCRIPT" > test_folder/test_file.txt
[root@ip-172-31-85-166 ec2-user]# |
```

```
[root@ip-172-31-85-166:home/ec2-user/tasks/folder2]
[root@ip-172-31-85-166 folder1]# cd ..
[root@ip-172-31-85-166 tasks]# ls
folder1 folder2 script1.sh
[root@ip-172-31-85-166 tasks]# tree
.
+-- folder1
    +-- newtest.txt
-- folder2
    +-- newtestfile.txt
-- script1.sh

2 directories, 3 files
[root@ip-172-31-85-166 tasks]# cd folder1
[root@ip-172-31-85-166 folder1]# ls
newtest.txt
[root@ip-172-31-85-166 folder1]# cat newtest.txt
This is a test file created by the script.
[root@ip-172-31-85-166 folder1]# cd ..
[root@ip-172-31-85-166 tasks]# cd folder2
[root@ip-172-31-85-166 folder2]# ls
newtestfile.txt
[root@ip-172-31-85-166 folder2]# cat newtestfile.txt
This is a test file created by the script.
[root@ip-172-31-85-166 folder2]# |
```

If you're seeing this, you've successfully installed Tomcat. Congratulations!

Apache Tomcat/11.0.1

APACHE SOFTWARE FOUNDATION <http://www.apache.org/>

Developer Quick Start

Managing Tomcat

Documentation

Getting Help

FAQ and Mailing Lists

```
[Uday@ip-172-31-85-166 ~]$ ls
[Uday@ip-172-31-85-166 ~]$ touch abc.txt
[Uday@ip-172-31-85-166 ~]$ ls
abc.txt
[Uday@ip-172-31-85-166 ~]$ ls
abc.txt
[Uday@ip-172-31-85-166 ~]$
```

Day 5

```
root@ip-172-31-91-175/home/ec2-user
creating: aws/dist/docutils/writers/s5_html/
inflating: aws/dist/docutils/writers/html_polyglot/math.css
inflating: aws/dist/docutils/writers/html_polyglot/template.txt
inflating: aws/dist/docutils/writers/html_polyglot/minimal.css
inflating: aws/dist/docutils/writers/html_polyglot/plain.css
inflating: aws/dist/docutils/writers/html_polyglot/tuftig.css
inflating: aws/dist/docutils/writers/html_polyglot/responsive.css
inflating: aws/dist/docutils/writers/latex2e/titlepage.tex
inflating: aws/dist/docutils/writers/latex2e/docutils.sty
inflating: aws/dist/docutils/writers/latex2e/xelatex.tex
inflating: aws/dist/docutils/writers/latex2e/tilingpage.tex
inflating: aws/dist/docutils/writers/s5_html/_themes/
creating: aws/dist/docutils/writers/s5_html/_themes/big-black/
creating: aws/dist/docutils/writers/s5_html/_themes/big-white/
creating: aws/dist/docutils/writers/s5_html/_themes/default/
creating: aws/dist/docutils/writers/s5_html/_themes/default-black/
creating: aws/dist/docutils/writers/s5_html/_themes/medium-white/
creating: aws/dist/docutils/writers/s5_html/_themes/small-black/
creating: aws/dist/docutils/writers/s5_html/_themes/small-white/
inflating: aws/dist/docutils/writers/s5_html/_themes/default/_base_
inflating: aws/dist/docutils/writers/s5_html/_themes/default/slides.css
inflating: aws/dist/docutils/writers/s5_html/_themes/default/opus.css
inflating: aws/dist/docutils/writers/s5_html/_themes/default/pretty.css
inflating: aws/dist/docutils/writers/s5_html/_themes/default/print.css
inflating: aws/dist/docutils/writers/s5_html/_themes/default/outline.css
inflating: aws/dist/docutils/writers/s5_html/_themes/default/s5-core.css
inflating: aws/dist/docutils/writers/s5_html/_themes/default/slides.js
inflating: aws/dist/docutils/writers/s5_html/_themes/big-black/_base_
inflating: aws/dist/docutils/writers/s5_html/_themes/big-black/pretty.css
inflating: aws/dist/docutils/writers/s5_html/_themes/big-black/framing.css
inflating: aws/dist/docutils/writers/s5_html/_themes/big-black/_base_
inflating: aws/dist/docutils/writers/s5_html/_themes/big-black/pretty.css
inflating: aws/dist/docutils/writers/s5_html/_themes/big-white/framing.css
inflating: aws/dist/docutils/writers/s5_html/_themes/big-white/_base_
inflating: aws/dist/docutils/writers/s5_html/_themes/big-white/pretty.css
inflating: aws/dist/docutils/writers/s5_html/_themes/medium-white/pretty.css
inflating: aws/dist/docutils/writers/s5_html/_themes/medium-white/framing.css
inflating: aws/dist/docutils/writers/pep_html/template.txt
inflating: aws/dist/docutils/writers/pep_html/_base_
inflating: aws/dist/docutils/writers/odf_odt/styles.odt
inflating: aws/dist/docutils/writers/html4css1/html4css1.css
inflating: aws/dist/docutils/writers/html4css1/template.txt
[root@ip-172-31-91-175 ~]# aws configure
You can now run: /usr/local/bin/aws --version
[root@ip-172-31-91-175 ec2-user]# aws --version
aws-cli/2.22.12 Python/3.12.6 Linux/6.1.115-126.197.amzn2023.x86_64 exe/x86_64.amzn.2023
[root@ip-172-31-91-175 ec2-user]# aws configure
AWS Access Key ID [*****T55Z]:
AWS Secret Access Key [*****KgMc]:
Default region name [us-east-1]:
Default output format [text]:
[root@ip-172-31-91-175 ec2-user]# |
```

```
root@ip-172-31-91-175:/home/ec2-user
[root@ip-172-31-91-175 ec2-user]# aws configure
AWS Access Key ID [*****T55Z]:
AWS Secret Access Key [*****KgMc]:
Default region name [us-east-1]:
Default output format [text]:
[root@ip-172-31-91-175 ec2-user]# |
```

```
root@ip-172-31-91-175:~# aws configure
AWS Access Key ID [*****T5z2]:
AWS Secret Access Key [*****KgMc]:
Default region name [us-east-1]:
Default output format [text]:
[root@ip-172-31-91-175 ec2-user]# aws iam create-user --user-name CLIPER
USER      arn:aws:iam::69285992925:user/CLIPER    2024-12-07T07:29:13+00:00      /      AIDA2CUNLNHNGAIAAU4 CLIPER
[root@ip-172-31-91-175 ec2-user]# aws iam create-access-key --user-name CLIPER --user-name CLIPER
USER      arn:aws:iam::69285992925:user/CLIPER    2024-12-07T07:30:34+00:00      /      AIDA2CUNLNHWTNPHTF6 Uday_kumar
[root@ip-172-31-91-175 ec2-user]# aws iam attach-user-policy --user-name Uday_kumar --policy-arn arn:aws:iam::aws:policy/AmazonS3FullAccess
[root@ip-172-31-91-175 ec2-user]# aws iam create-access-key --user-name Uday_kumar
ACCESSKEY      AKIA2CUNLNHWA6M36WZ    2024-12-07T07:32:50+00:00      8tovvm60i73a+aKTGUST7izhi0usfcGdbg9hr9      Active Uday_kumar
[root@ip-172-31-91-175 ec2-user]#
```

```
[ec2-user@ip-172-31-91-175 ~]$ aws configure
AWS Access Key ID [*****T5z2]:
AWS Secret Access Key [None]: P1cp8EcXk0euPcvGM/CpzvhHu7jyGV14xIkMc
Default region name [us-east-1]: us-east-1
Default output format [text]:
[ec2-user@ip-172-31-91-175 ~]$ aws ec2 run-instances --image-id ami-0166fe664262f664c --count 1 --instance-type t2.micro --key-name uday --security-group-ids sg-08f33e01453e1888e --subnet-id subnet-06ab8b5cd8e563da6
69285992925  r-0fce4ecf13826a0c
INSTANCES      0     x86_64   d865128-d3a6-4f6c-b1cf-6b6ff336d40  legacy-bios  False  True  xen  ami-0166fe664262f664c  i-015a7babf0e2be1cd  t2.micro      uday  2024-12-07T07:53:37+00:00
                ip-172-31-91-170.ec2.internal 172.31.91.170  /dev/xvda  ebs  True  subnet-06ab8b5cd8e563da6  hvm  vpc-0e218c61289f471cb
CAPACITYOPTIMIZATIONSPECIFICATION open
CPUOPTIONS      1     1
ENCLAVEOPTIONS False
MAINTENANCEOPTIONS default
METADATAOPTIONS enabled disabled      1     optional  disabled  pending
NETWORKINTERFACES
ATTACHMENT      2024-12-07T07:53:37+00:00  eni-attach-08d3e556db30179d  True  0     0     attaching
GROUPS          sg-08f33e01453e1888e launch-wizard-1
OPERATOR        False
PRIVATEIPADDRESSES  True  ip-172-31-91-170.ec2.internal 172.31.91.170
OPERATOR        False
PLACEMENT       us-east-1:1:1      default
PRIORITY        10000000000000000000000000000000
SECURITYGROUPS  sg-08f33e01453e1888e launch-wizard-1
STATE           0     pending
STATEREASON     pending pending
[ec2-user@ip-172-31-91-175 ~]$
```

The screenshot shows the AWS EC2 Instances page. On the left, there's a navigation sidebar with sections like Dashboard, EC2 Global View, Events, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, Snapshots, Lifecycle Manager, and Network & Security. The main content area displays 'Instances (1/2) Info' with a table of two instances. The first instance, 'iam-cli', has an ID of i-09417416fc93fe96c, is running, and is a t2.micro type. The second instance, 'i-015a7bab0e2be9cd', also has an ID of i-015a7bab0e2be9cd, is running, and is a t2.micro type. Below the table, there's a detailed view for the 'iam-cli' instance, showing its auto-assigned IP address (54.174.187.159 [Public IP]), VPC ID (vpc-0e218c61289f471cb), IAM Role (none), IMDSv2 (Required), Operator (none), Subnet ID (subnet-06ab8b5cd8e565da6), Instance ARN (arn:aws:ec2:us-east-1:692859922925:instance/i-09417416fc93fe96c), AWS Compute Optimizer finding (Opt-in to AWS Compute Optimizer for recommendations), Auto Scaling Group name (none), and Managed status (false). The bottom of the screen shows the AWS navigation bar and system tray.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
iam-cli	i-09417416fc93fe96c	Running	t2.micro	2/2 checks passed	View alarms	us-east-1d
	i-015a7bab0e2be9cd	Running	t2.micro	2/2 checks passed	View alarms	us-east-1d

i-09417416fc93fe96c (iam-cli)

Auto-assigned IP address
54.174.187.159 [Public IP]

VPC ID
vpc-0e218c61289f471cb

IAM Role
-

IMDSv2
Required

Operator
-

Subnet ID
subnet-06ab8b5cd8e565da6

Instance ARN
arn:aws:ec2:us-east-1:692859922925:instance/i-09417416fc93fe96c

AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations.

Auto Scaling Group name
-

Managed
false

Day 6

ChatGPT | Instances | EC2 | us-east-1 | 07122024 - S3 bucket | S3 | us-east-1 | +

https://us-east-1.console.aws.amazon.com/s3/buckets/07122024?region=us-east-1&bucketType=general&tab=properties

Amazon S3 > Buckets > 07122024

Bucket overview

AWS Region: US East (N. Virginia) us-east-1

Amazon Resource Name (ARN): arn:aws:s3:::07122024

Creation date: December 7, 2024, 14:16:39 (UTC+05:30)

Bucket Versioning

Bucket Versioning: Disabled

Multi-factor authentication (MFA) delete: Disabled

Tags (0)

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

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```

root@ip-172-31-91-175:~# ls
[ec2-user@ip-172-31-91-175 ~]$ ls
[ec2-user@ip-172-31-91-175 ~]$ aws s3 cp "C:\Users\UdayKumar\OneDrive - XYRAM SOFTWARE SOLUTIONS PRIVATE LIMITED\Desktop\data.txt" s3://07122024/
The user-provided path C:\Users\UdayKumar\OneDrive - XYRAM SOFTWARE SOLUTIONS PRIVATE LIMITED\Desktop\data.txt does not exist.
[ec2-user@ip-172-31-91-175 ~]$ ls
[ec2-user@ip-172-31-91-175 ~]$ su
[ec2-user@ip-172-31-91-175 ec2-user]$ ls
[ec2-user@ip-172-31-91-175 ec2-user]$ cd ..
[ec2-user@ip-172-31-91-175 home]$ cd ..
[ec2-user@ip-172-31-91-175 ~]$ ls
[ec2-user@ip-172-31-91-175 ~]$ ls
[ec2-user@ip-172-31-91-175 ~]$ llb64 local media mnt opt proc root run sbin srv sys llb64 usr var
[ec2-user@ip-172-31-91-175 ~]$ llb64
[ec2-user@ip-172-31-91-175 ~]$ ls
account adm cache db empty ftp games kerberos lib local lock log mail nis opt preserve run spool llb64 yp
[ec2-user@ip-172-31-91-175 ~]$ llb64
[ec2-user@ip-172-31-91-175 empty]$ cd ..
[ec2-user@ip-172-31-91-175 empty]$ ls
account adm cache db empty ftp games kerberos lib local lock log mail nis opt preserve run spool llb64 yp
[ec2-user@ip-172-31-91-175 empty]$ cd ..
[ec2-user@ip-172-31-91-175 ~]$ llb64
bin boot dev etc home lib lib64 local media mnt opt proc root run sbin srv sys llb64 usr var
[ec2-user@ip-172-31-91-175 ~]$ llb64
[ec2-user@ip-172-31-91-175 ~]$ cd /home/ec2-user/
[ec2-user@ip-172-31-91-175 ec2-user]$ ls
[ec2-user@ip-172-31-91-175 ec2-user]$ touch abc.txt >
bash: syntax error near unexpected token `newline'
[ec2-user@ip-172-31-91-175 ec2-user]$ echo abc.txt <
abc.txt >
[ec2-user@ip-172-31-91-175 ec2-user]$ echo abc.txt >
bash: syntax error near unexpected token `newline'
[ec2-user@ip-172-31-91-175 ec2-user]$ echo abc.txt >
abc.txt >
[ec2-user@ip-172-31-91-175 ec2-user]$ ls
[ec2-user@ip-172-31-91-175 ec2-user]$ vi abc.txt
[ec2-user@ip-172-31-91-175 ec2-user]$ aws s3 cp ./home/ec2-user/abc.txt s3://my-s3-bucket/
upload failed: ./abc.txt to s3://my-s3-bucket/abc.txt An error occurred (AccessDenied) when calling the PutObject operation: Access Denied
[ec2-user@ip-172-31-91-175 ec2-user]$ aws s3 cp ./home/ec2-user/abc.txt s3://07122024/
[ec2-user@ip-172-31-91-175 ec2-user]$ llb64 abc.txt > s3://07122024/abc.txt
[ec2-user@ip-172-31-91-175 ec2-user]$ 
```

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ChatGPT Instances | EC2 | us-east-1 Replication rule list - S3 bucket 0 Upload objects - S3 bucket android 0

https://us-east-1.console.aws.amazon.com/s3/management/07122024/replication?region=us-east-1&bucketType=general

Amazon S3 > Buckets > 07122024 > Replication rules

Replication configuration successfully updated

If changes to the configuration aren't displayed, choose the refresh button. Changes apply only to new objects. To replicate existing objects with this configuration, choose Create replication job.

Create replication job

Replication rules

Replication enables automatic and asynchronous copying of objects across buckets in the same or different AWS Regions. A replication configuration is a set of rules that define what options should be applied to a group of objects during replication.

Replication configuration settings

Configuration settings affect all replication rules in the bucket.

Source bucket: 07122024

Source Region: US East (N. Virginia) us-east-1

IAM role: s3crrole_for_07122024

Create replication job **Edit**

Replication rules (1)

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](#)

Actions: View details, Edit rule, Delete, Create replication rule

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ChatGPT Instances | EC2 | us-east-1 Upload objects - S3 bucket 07122024 android121201 - S3 bucket | S3 | +

https://us-east-2.console.aws.amazon.com/s3/buckets/android121201?region=us-east-2&tab=objects

Amazon S3 > Buckets > android121201

android121201

Objects | Metadata - Preview | Properties | Permissions | Metrics | Management | Access Points

Objects (2) info

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 objects, you'll need to explicitly grant them permissions. [Learn more](#)

Actions: Copy S3 URI, Copy URL, Download, Open, Delete, Actions, Create Folder, Upload

Find objects by prefix

Show versions

Name	Type	Last modified	Size	Storage class
bitlocker.pdf	pdf	December 7, 2024, 14:45:54 (UTC+05:30)	176.8 KB	Standard
docker network commands.txt	txt	December 7, 2024, 14:45:52 (UTC+05:30)	3.0 KB	Standard

CloudShell Feedback 27°C Mostly sunny Search ENG IN 14:47 07-12-2024

The screenshot shows the AWS S3 console interface for the '07122024' bucket. The top navigation bar includes tabs for ChatGPT, Instances | EC2 | us-east-1, 07122024 - S3 bucket | S3 | us-east-1, and android121201 - S3 bucket | S3 | us-east-1. The main content area displays the 'Objects' tab for the '07122024' bucket. It shows four objects: '1.txt', 'a.txt', 'abc.txt', and 'docker network commands.txt'. Each object is listed with its name, type (txt), last modified date (December 7, 2024, 14:48:48 UTC+05:30), size (4.7 KB, 375.0 B, 33.0 B, 3.0 KB respectively), and storage class (Standard). Action buttons for Copy S3 URI, Copy URL, Download, Open, Delete, Actions, Create folder, and Upload are available for each object.

Name	Type	Last modified	Size	Storage class
1.txt	txt	December 7, 2024, 14:48:48 (UTC+05:30)	4.7 KB	Standard
a.txt	txt	December 7, 2024, 14:48:49 (UTC+05:30)	375.0 B	Standard
abc.txt	txt	December 7, 2024, 14:33:01 (UTC+05:30)	33.0 B	Standard
docker network commands.txt	txt	December 7, 2024, 14:24:56 (UTC+05:30)	3.0 KB	Standard

The screenshot shows the AWS S3 console interface for the 'android121201' bucket. The top navigation bar includes tabs for ChatGPT, Instances | EC2 | us-east-1, 07122024 - S3 bucket | S3 | us-east-1, and android121201 - S3 bucket | S3 | us-east-1. The main content area displays the 'Objects' tab for the 'android121201' bucket. It shows four objects: '1.txt', 'a.txt', 'bitlocker.pdf', and 'docker network commands.txt'. Each object is listed with its name, type (txt, txt, pdf, txt), last modified date (December 7, 2024, 14:48:48 UTC+05:30, December 7, 2024, 14:48:49 UTC+05:30, December 7, 2024, 14:45:54 UTC+05:30, December 7, 2024, 14:45:52 UTC+05:30), size (4.7 KB, 375.0 B, 176.8 KB, 3.0 KB respectively), and storage class (Standard). Action buttons for Copy S3 URI, Copy URL, Download, Open, Delete, Actions, Create folder, and Upload are available for each object.

Name	Type	Last modified	Size	Storage class
1.txt	txt	December 7, 2024, 14:48:48 (UTC+05:30)	4.7 KB	Standard
a.txt	txt	December 7, 2024, 14:48:49 (UTC+05:30)	375.0 B	Standard
bitlocker.pdf	pdf	December 7, 2024, 14:45:54 (UTC+05:30)	176.8 KB	Standard
docker network commands.txt	txt	December 7, 2024, 14:45:52 (UTC+05:30)	3.0 KB	Standard

This screenshot is identical to the one above, showing the AWS S3 console interface for the 'android121201' bucket. It displays the same four objects: '1.txt', 'a.txt', 'bitlocker.pdf', and 'docker network commands.txt'. The objects are listed with their names, types, last modified dates, sizes, and storage classes. Action buttons for Copy S3 URI, Copy URL, Download, Open, Delete, Actions, Create folder, and Upload are available for each object.

Name	Type	Last modified	Size	Storage class
1.txt	txt	December 7, 2024, 14:48:48 (UTC+05:30)	4.7 KB	Standard
a.txt	txt	December 7, 2024, 14:48:49 (UTC+05:30)	375.0 B	Standard
bitlocker.pdf	pdf	December 7, 2024, 14:45:54 (UTC+05:30)	176.8 KB	Standard
docker network commands.txt	txt	December 7, 2024, 14:45:52 (UTC+05:30)	3.0 KB	Standard

The screenshot shows the AWS S3 Lifecycle configuration page for a bucket named 'user1'. The 'Lifecycle rule configuration' section is displayed, showing a single rule named 'user1'. The rule has no prefix, no object tags, and no minimum or maximum object size specified. The 'Review transition and expiration actions' section shows two entries: 'Day 0' with 'Objects uploaded' and 'Day 30' with 'Objects move to Standard-IA'.

The screenshot shows a browser window with multiple tabs open. The active tab displays a comprehensive list of Docker network commands categorized by functionality. The commands include:

- **1. Inspecting Networks:**
 - View all networks:
```bash docker network ls```
  - Inspect details of a specific network:  
```bash docker network inspect <network\_name>```
- **2. Creating Networks:**
 - Create a bridge network:
```bash docker network create my-bridge```
  - Create an overlay network:  
```bash docker network create --driver overlay my-overlay```
 - Create a Macvlan network:
```bash docker network create -d macvlan --subnet=192.168.1.0/24 --gateway=192.168.1.1 --parent=eth0 my-macvlan```
  - Specify additional options (e.g., DNS servers):  
```bash docker network create --driver bridge --subnet=192.168.1.0/24 --gateway=192.168.1.1 --dns=8.8.8 --dns=8.8.4 my-custom-network```
- **3. Removing Networks:**
 - Remove a specific network:
```bash docker network rm <network\_name>```

Day 7

Successfully initiated termination (deletion) of i-09417416fc93fe96c, i-015a7babf0e2be9cd

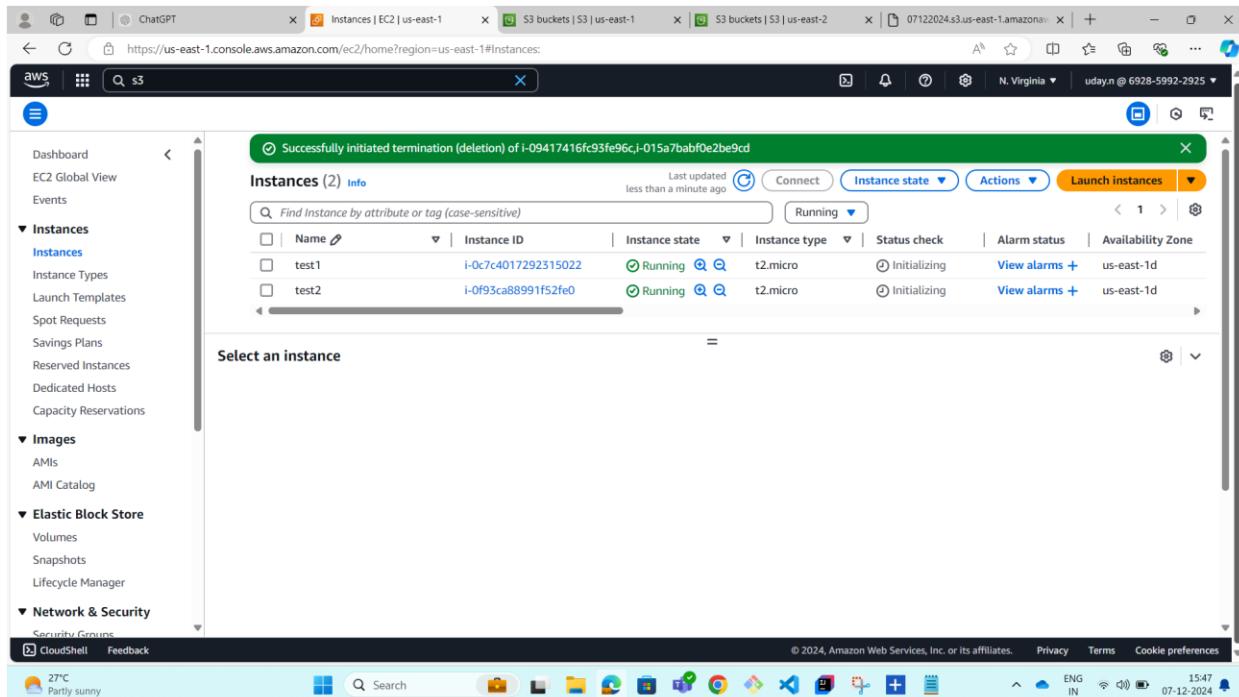
### Instances (2) Info

Last updated less than a minute ago

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
test1	i-0c7c4017292315022	Running	t2.micro	Initializing	View alarms	us-east-1d
test2	i-0f93ca88991fs2fe0	Running	t2.micro	Initializing	View alarms	us-east-1d

Select an instance

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One target registered successfully to sample.

### sample

Actions

#### Details

arn:aws:elasticloadbalancing:us-east-1:692859922925:targetgroup/sample/32f4cb7d4cd49b9	Protocol : Port	HTTP: 80	Protocol version	HTTP1	VPC	vpc-0e218c61289f471cb
Target type	Instance	IP address type	IPv4	Load balancer	sample	

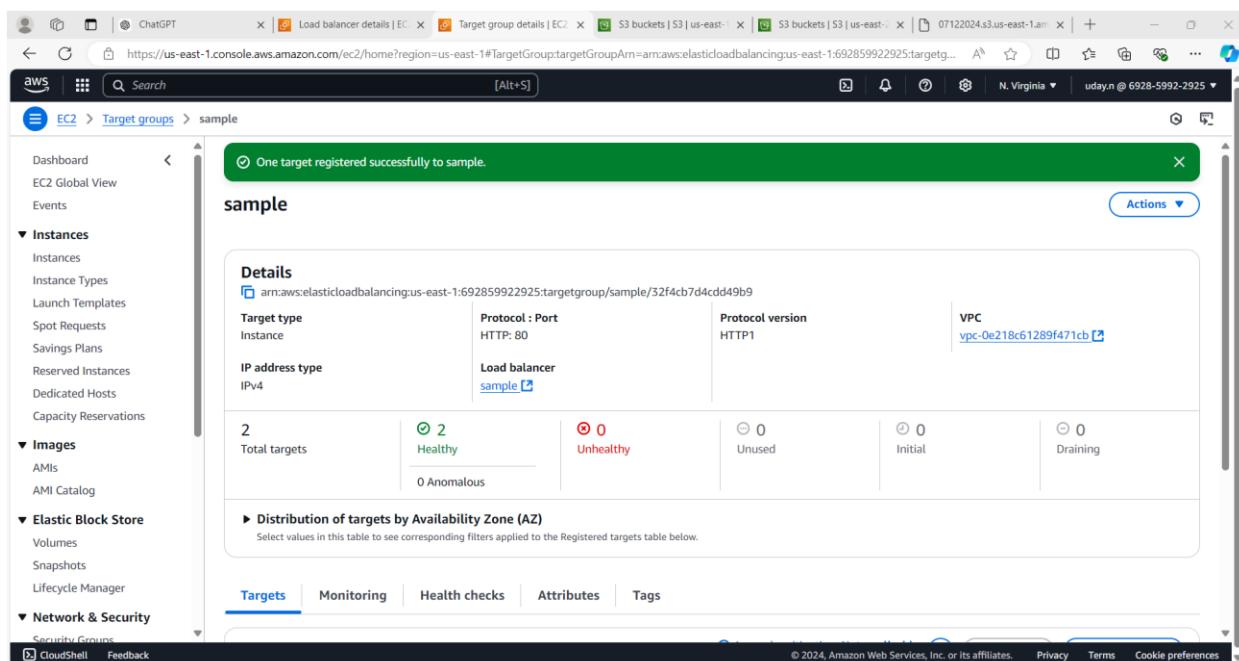
2 Total targets	2 Healthy	0 Unhealthy	0 Unused	0 Initial	0 Draining
0 Anomalous					

Distribution of targets by Availability Zone (AZ)

Select values in this table to see corresponding filters applied to the Registered targets table below.

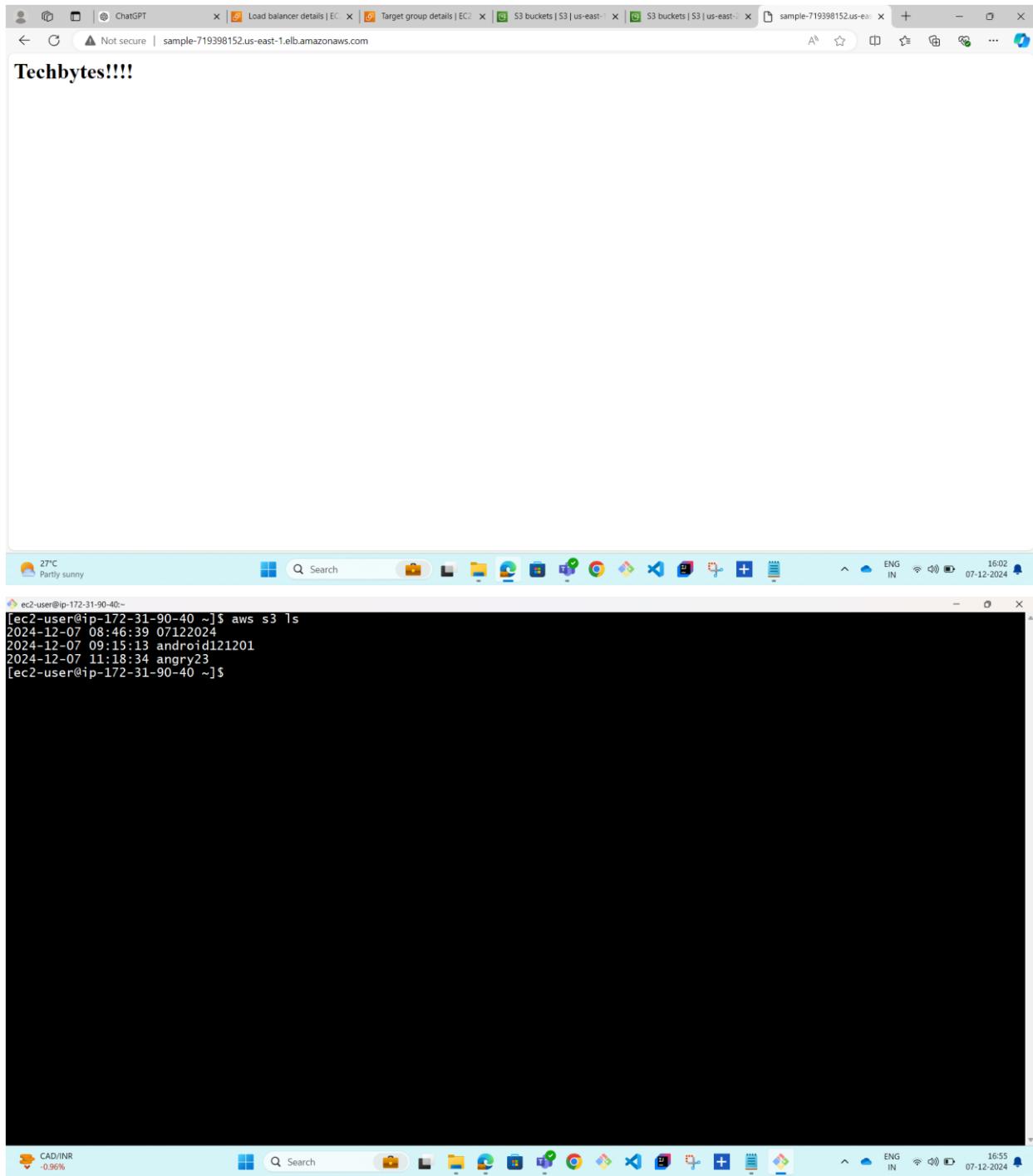
Targets Monitoring Health checks Attributes Tags

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The screenshot shows the AWS CloudWatch Metrics Insights search interface. At the top, there's a search bar with the query "sample". Below the search bar, the results are displayed under the heading "sample". The results show a single metric named "sample" with a value of 1.0. The "Dimensions" section lists "MetricName" as "sample" and "CloudWatch Metrics Insights" as the "Source". The "Time range" is set from "Last hour". The "Metrics" section shows the metric "sample" with a value of 1.0. The "CloudWatch Metrics Insights" section provides a detailed breakdown of the metric, including its source, dimensions, and specific values for each dimension.

The screenshot shows the AWS CloudWatch Metrics Insights search interface. At the top, there's a search bar with the query "sample". Below the search bar, the results are displayed under the heading "sample". The results show a single metric named "sample" with a value of 1.0. The "Dimensions" section lists "MetricName" as "sample" and "CloudWatch Metrics Insights" as the "Source". The "Time range" is set from "Last hour". The "Metrics" section shows the metric "sample" with a value of 1.0. The "CloudWatch Metrics Insights" section provides a detailed breakdown of the metric, including its source, dimensions, and specific values for each dimension.



Day 8

The screenshot shows the AWS EC2 Instances page for instance `i-0d0cb585fb1bd133d`. The Storage tab is selected. Under Root device details, it shows the root device name as `/dev/xvda` and the root device type as EBS, with EBS optimization disabled. In the Block devices section, there are two volumes listed: `vol-0e3daf1edf593bcfa` (`/dev/xvda`, 8 GiB, Attached, 2024/12/07 20:56 GMT+5:30) and `vol-0ab7b9cee42aae1a1` (`/dev/sdb`, 8 GiB, Attached, 2024/12/07 20:56 GMT+5:30). Below this is a Volume monitoring section with four cards: Average read latency, Average write latency, Read throughput, and Write throughput, all showing no data available.

The screenshot shows the AWS Elastic File System (EFS) File Systems page for file system `fs-095b0dc9aec3b8026`. The General tab is selected. Key details include:

- Amazon resource name (ARN): `arn:aws:elasticfilesystem:us-east-1:692859922925:file-system/fs-095b0dc9aec3b8026`
- Performance mode: General Purpose
- Throughput mode: Bursting
- Lifecycle management:
  - Transition into Infrequent Access (IA): 30 day(s) since last access
  - Transition into Archive: None
  - Transition into Standard: None
- Availability zone: Regional
- Automatic backups: Enabled
- Encrypted: Enabled (ARN: `59a479c1-016a-47bc-87d2-8484707ef65c`)
- File system state: Available
- DNS name: `fs-095b0dc9aec3b8026.efs.us-east-1.amazonaws.com`
- Replication overwrite protection: Enabled

```
root@ip-172-31-21-24/home/ec2-user
Allocating group tables: done
writing inode tables: done
Creating journal (16384 blocks): done
writing superblocks and filesystem accounting information: done
[ec2-user@ip-172-31-21-24 ~]$ sudo mkfs -t ext4 /dev/xvdb
mke2fs 1.46.2 (30-Dec-2021)
/dev/xvdb: 16384/32768 blocks, 4096/8192 inodes
Filesystem UUID: 6a87767f-048f-4e36-b861-bf8c8cb50f62
Superblock backup stored on blocks:
 32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632
Allocating group tables: done
writing inode tables: done
Creating journal (16384 blocks): done
writing superblocks and filesystem accounting information: done
[ec2-user@ip-172-31-21-24 ~]$ sudo mount /dev/xvdb /mnt/efs
mount: /mnt/efs: device or file does not exist.
[ec2-user@ip-172-31-21-24 ~]$ ls
[ec2-user@ip-172-31-21-24 ~]$ sudo mkdir -p /mnt/efs
[ec2-user@ip-172-31-21-24 ~]$ ls
[ec2-user@ip-172-31-21-24 ~]$ sudo mkdir /mnt/efs
mkdir: cannot create directory '/mnt/efs': File exists
[ec2-user@ip-172-31-21-24 ~]$ sudo su
[root@ip-172-31-21-24 ec2-user]# mkdir mnt
[root@ip-172-31-21-24 ec2-user]# mkdir ebs
[root@ip-172-31-21-24 ec2-user]# ls
mnt
[ec2-user@ip-172-31-21-24 ec2-user]# cd mnt
[root@ip-172-31-21-24 mnt]# ls
[ec2-user@ip-172-31-21-24 mnt]# ls
[ec2-user@ip-172-31-21-24 mnt]# cd ..
[ec2-user@ip-172-31-21-24 ec2-user]# l
bash: !: command not found
[ec2-user@ip-172-31-21-24 ec2-user]# ls
[ec2-user@ip-172-31-21-24 ec2-user]# sudo mount /dev/xvdb /mnt/efs
[ec2-user@ip-172-31-21-24 ec2-user]# df -h
Filesystem Size Used Avail Mounted on
/dev/sdf5 4.0M 0.0M 4.0M /dev/shm
tmpfs 475M 0 475M /dev
tmpfs 190M 45K 190M /run
/dev/xvda1 8.0G 1.0G 6.9G /
tmpfs 475M 0 475M /tmp
/dev/xvda128 95M 1.3M 8.7M /boot/efi
tmpfs 95M 0 95M /run/user/1000
/dev/xvdb 7.8G 24K 7.4G /mnt/efs
[root@ip-172-31-21-24 ec2-user]#
```

The screenshot shows two separate AWS CloudShell windows side-by-side. Both windows have identical top bars with the AWS logo, search bar, and various icons. The left window has a title bar "EFS" and the URL "https://us-east-1.console.aws.amazon.c...". The right window has a title bar "EC2 Instance Connect | us-east-1" and the URL "https://us-east-1.console.aws.amazon.c...". Both windows show a terminal session with root privileges on an EC2 instance.

**Left Window Terminal Session:**

```
[ec2-user@ip-172-31-34-239 ~]$ cd demo
-bash: cd: demo: No such file or directory
[ec2-user@ip-172-31-34-239 ~]$ sudo su
-bash: sudo: command not found
[ec2-user@ip-172-31-34-239 ~]$ sudo su
[root@ip-172-31-34-239 ec2-user]# ls
[root@ip-172-31-34-239 ec2-user]# cd /demo
[root@ip-172-31-34-239 demo]# ls
[root@ip-172-31-34-239 demo]# touch abc.txt
[root@ip-172-31-34-239 demo]# ls
abc.txt
[root@ip-172-31-34-239 demo]# rm abc.txt
rm: remove regular empty file 'abc.txt'? y
[root@ip-172-31-34-239 demo]#
```

**Right Window Terminal Session:**

```
[root@ip-172-31-43-58 demo]# ls
abc.txt
[root@ip-172-31-43-58 demo]# touch demo.txt
[root@ip-172-31-43-58 demo]# ls
abc.txt demo.txt
[root@ip-172-31-43-58 demo]# ls
demo.txt
[root@ip-172-31-43-58 demo]#
```

Both windows also have a bottom bar with "CloudShell", "Feedback", "Privacy", "Terms", and "Cookie preferences" buttons, along with copyright information for Amazon Web Services, Inc. or its affiliates. The status bar at the bottom of each window shows the IP address (e.g., ip-172-31-34-239), public and private IPs, and the current time (e.g., 21:37, 07-12-2024).

The screenshot shows two browser windows. The left window displays a CloudShell session for instance i-0a62f797316126d2b (efs1). The terminal output shows a broadcast message from root@localhost indicating the system will power off now. The right window shows the AWS Instances page with one instance listed: b585fb1bd133d (Running, t2.micro, i-0a62f797316126d2b (efs1)).

```
[root@ip-172-31-34-239 demo]# ls
demo.txt
[root@ip-172-31-34-239 demo]#
Broadcast message from root@localhost (Sat 2024-12-07 16:39:07 UTC):
The system will power off now!
Broadcast message from root@localhost (Sat 2024-12-07 16:39:07 UTC):
The system will power off now!
```

**i-0a62f797316126d2b (efs1)**

Public IPs: 35.168.12.157 Private IPs: 172.31.34.239

**Instances (1/3) Info**

Instance ID: b585fb1bd133d Instance state: Running Instance type: t2.micro

**i-0a62f797316126d2b (efs1)**

Public IPv4 address: 18.254.93.188 | open address

Private IPv4 addresses: 172.31.34.239

IPv6 address:

The screenshot shows two browser windows. The left window displays a CloudShell session for instance i-0dd292adfa64f1981 (efs2). The terminal output shows a broadcast message from root@localhost indicating the system will power off now. The right window shows a CloudShell session for instance i-0a62f797316126d2b (efs1), which is running Amazon Linux 2023. The terminal output shows a file transfer command being run.

```
[root@ip-172-31-43-58 /]# ls
bin boot demo dev etc home lib lib64 local media mnt opt proc root
run sbin srv sys usr var
[root@ip-172-31-43-58 /]# cd demo/
[root@ip-172-31-43-58 demo]# ls
demo.txt pack.txt
[root@ip-172-31-43-58 demo]# touch payment.txt
[root@ip-172-31-43-58 demo]# ls
demo.txt pack.txt payments.txt
[root@ip-172-31-43-58 demo]#
```

**i-0dd292adfa64f1981 (efs2)**

Public IPs: 52.55.47.96 Private IPs: 172.31.43.58

**i-0a62f797316126d2b (efs1)**

Public IPs: 18.254.93.188 Private IPs: 172.31.34.239

Day 9

[Launch an instance | EC2 | us-east-1](https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instancesv=3:$case=true%5Cclient=false$regex=tagsfalse%5Cclient=false) Instances | EC2 | us-east-1 Events | EC2 | us-east-1

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instancesv=3:\$case=true%5Cclient=false\$regex=tagsfalse%5Cclient=false

N. Virginia uday.n @ 6928-5992-2925

Instances (1/2) info Last updated less than a minute ago

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
day11	i-0f96a29ca4e1f6fa	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1d
day9	i-0e01934d28ee318c6	Running	t2.micro	Initializing	View alarms +	us-east-1d

i-0e01934d28ee318c6 (day9)

Block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted
vol-043ec1bbfbef4a6f	/dev/xvda	10	Attached	2024/12/04 14:54 GMT+5:30	No

Volume monitoring (1)

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CloudShell Feedback

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[Launch an instance | EC2 | us-east-1](https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SnapshotDetails:snapshotId=snap-0e02ce1c7fd9aa73f) Snapshot details | EC2 | us-east-1 Recycle Bin | us-east-1

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SnapshotDetails:snapshotId=snap-0e02ce1c7fd9aa73f

N. Virginia uday.n @ 6928-5992-2925

EC2 > Snapshots > snap-0e02ce1c7fd9aa73f

Dashboard Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups CloudShell Feedback

Snapshot ID: snap-0e02ce1c7fd9aa73f Progress: Available (100%) Snapshot status: Completed Owner: 692859922925 Started: Wed Dec 04 2024 14:57:52 GMT+0530 (India Standard Time) Product codes: - Fast snapshot restore: - Description: sample

Source volume: Volume ID: vol-0a65676f4bfc52eb Volume size: 8 GiB

Encryption: Encryption: Not encrypted KMS key ID: - KMS key alias: - KMS key ARN: -

Snapshot settings Storage tier Tags

Snapshot Lock - new: Lock mode: Not locked

Share permissions

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CloudShell Feedback

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[Launch an instance | EC2 | us-east-1](https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#VolumeDetails:volumeld=vol-087880f3fd13fc261) [Volume details | EC2 | us-east-1](#)

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#VolumeDetails:volumeld=vol-087880f3fd13fc261

EC2 > Volumes > vol-087880f3fd13fc261

**vol-087880f3fd13fc261**

Volume ID <a href="#">vol-087880f3fd13fc261</a>	Size <a href="#">8 GiB</a>	Type gp3	Volume status Okay
AWS Compute Optimizer finding <a href="#">Opt-in to AWS Compute Optimizer for recommendations.</a>   Learn more	Volume state <a href="#">Available</a>	IOPS 3000	Throughput 125
Fast snapshot restored No	Availability Zone us-east-1a	Created <a href="#">Wed Dec 04 2024 15:02:39 GMT+0530 (India Standard Time)</a>	Multi-Attach enabled No
Attached resources	Outposts ARN	Managed false	Operator
<b>Source</b>			
Snapshot ID <a href="#">snap-0e02ce1c7fd9aa75f</a>			
<b>Encryption</b>			
Encryption Not encrypted	KMS key ID -	KMS key alias -	KMS key ARN -
<a href="#">Status checks</a> <a href="#">Monitoring</a> <a href="#">Tags</a>			
Volume status <a href="#">Availability Zone</a>			

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CloudShell Feedback

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[Instances | EC2 | us-east-1](https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instancesv3:$case=tags:true%5C,client:false$regex=tags:false%5C,client:false) [Instances | EC2 | us-east-1](#)

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instancesv3:\$case=tags:true%5C,client:false\$regex=tags:false%5C,client:false

Instances (1/2) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Pl
<input checked="" type="checkbox"/> day9	i-0e01934d28ee318c6	<a href="#">Running</a> <a href="#">View metrics</a>	t2.micro	<a href="#">2/2 checks passed</a>	<a href="#">View alarms</a> +	us-east-1d	ec
<input type="checkbox"/> day11	i-0f96a29ca4e1f6ffa	<a href="#">Running</a> <a href="#">View metrics</a>	t2.micro	<a href="#">2/2 checks passed</a>	<a href="#">View alarms</a> +	us-east-1d	ec

i-0e01934d28ee318c6 (day9)

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	K
<input checked="" type="checkbox"/> vol-043ec1bbbfef4da6f	/dev/xvda	10	<a href="#">Attached</a>	2024/12/04 14:54 GMT+5:30	No	-
<input type="checkbox"/> vol-0984a32b721785984	/dev/sdf	8	<a href="#">Attached</a>	2024/12/04 15:07 GMT+5:30	No	-

Volume monitoring (1)

3h 1d 1w 1h UTC timezone Add to dashboard

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CloudShell Feedback

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The screenshot shows the AWS EC2 console with the URL <https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Images:visibility=owned-by-me>. The left sidebar is expanded, showing categories like Dashboard, EC2 Global View, Events, Instances, Images, AMIs, and more. The main content area displays the "Amazon Machine Images (AMIs) (1)" page. A table lists one item: "newtest" with AMI ID "ami-0965e62d2598d74ae", Source "692859922925/newtest", Owner "692859922925", and Visibility "Private". Below the table is a "Select an AMI" dropdown menu.

The screenshot shows the AWS EC2 console with the URL <https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances>. The left sidebar is expanded, showing categories like Dashboard, EC2 Global View, Events, Instances, Images, AMIs, and more. The main content area displays the "Instances (1) Info" page. A table lists one instance: "test" with Instance ID "i-0c863845284f20326", Instance state "Running", Instance type "t2.micro", Status check "Initializing", and Availability Zone "us-east-2a". Below the table is a "Select an instance" dropdown menu.

Day 10

The screenshot shows the AWS CloudFront console. The left sidebar is collapsed, showing the following navigation items under the CloudFront section:

- Distributions
- Policies
- Functions
- Static IPs
- VPC origins
- What's new
- Telemetry
- Monitoring
- Alarms
- Logs
- Reports & analytics
- Cache statistics
- Popular objects
- Top referrers
- Usage
- Viewers
- Security
- Origin access
- Field-level encryption

The main content area is titled "Origin access" and displays the "Identities (legacy)" tab. It shows a table of "Origin access identities (1)".

ID	Name	Amazon S3 canonical user ID
E1TKWXV1086863	sample	d78745e0966ad567fa8098cabee8815e137fa3fc3c2ad3250c4062170d8fa40...

Buttons for "Edit", "Delete", and "Create origin access identity" are visible at the top right of the table.

The screenshot shows the AWS CloudFront console. The left sidebar is collapsed, showing the following navigation items under the CloudFront section:

- Distributions
- Policies
- Functions
- Static IPs
- VPC origins
- What's new
- Telemetry
- Monitoring
- Alarms
- Logs
- Reports & analytics
- Cache statistics
- Popular objects
- Top referrers
- Usage
- Viewers
- Security
- Origin access
- Field-level encryption

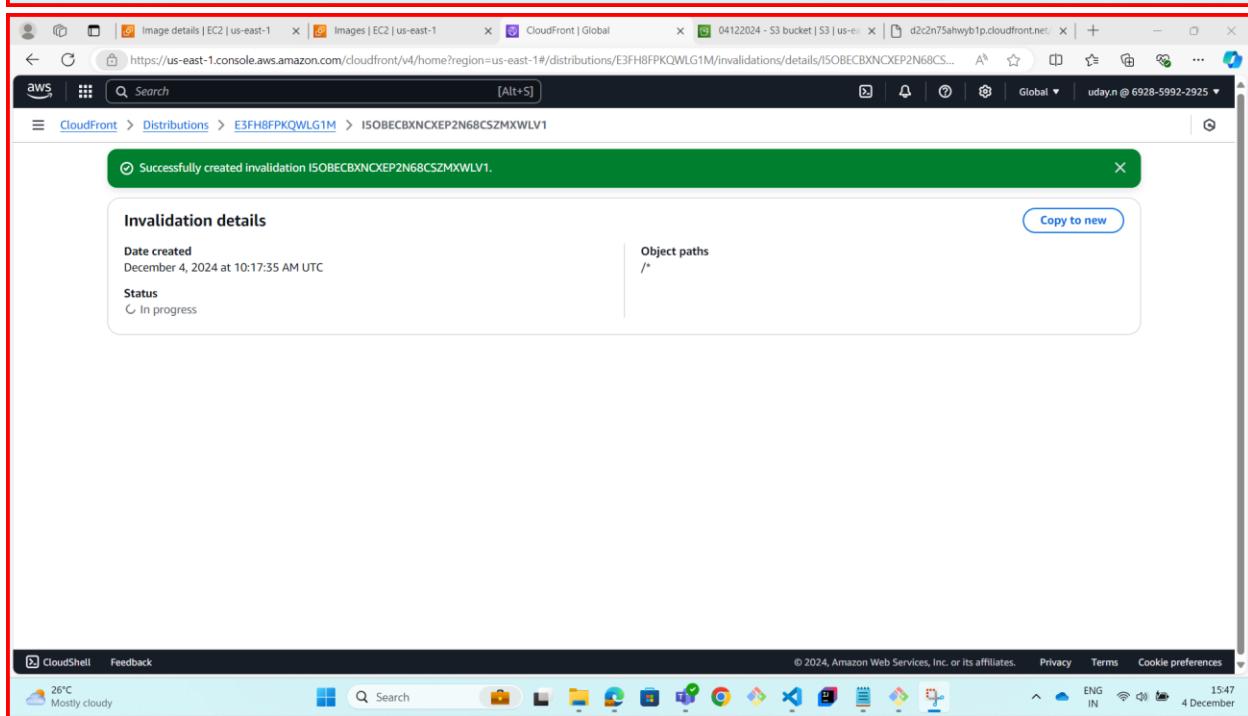
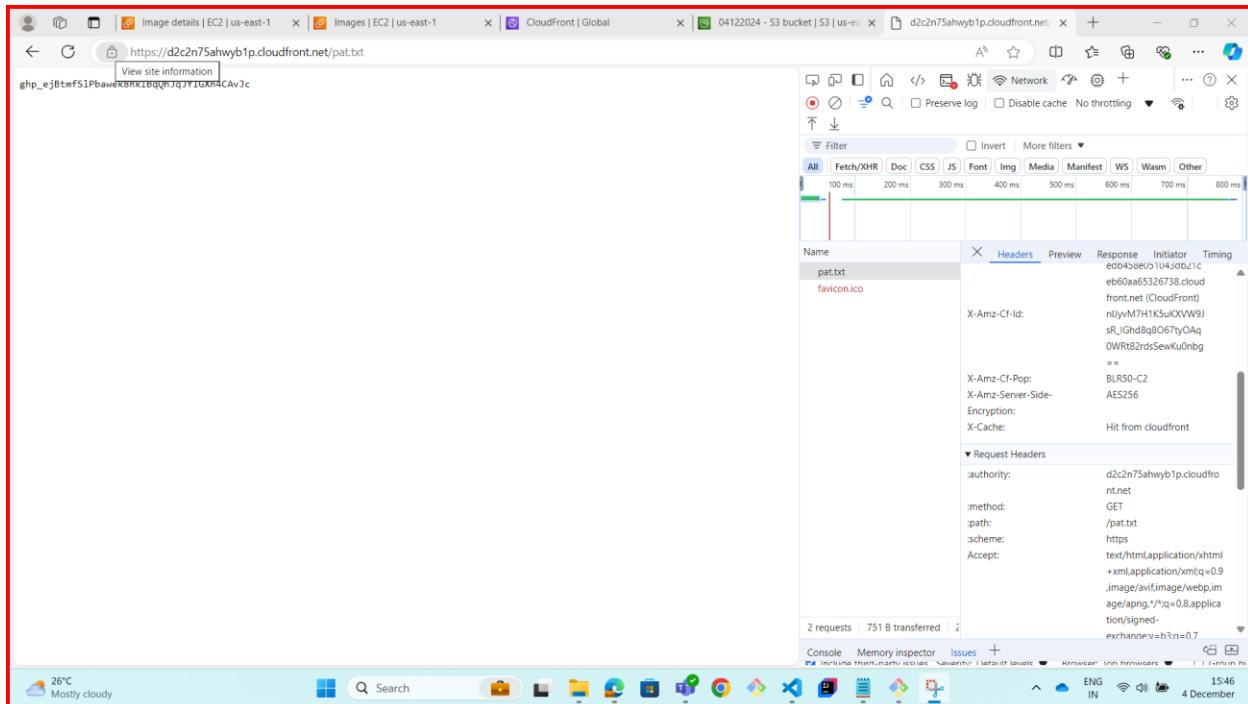
The main content area is titled "E3FH8FPKQWLG1M" and displays the "General" tab. It shows the distribution details:

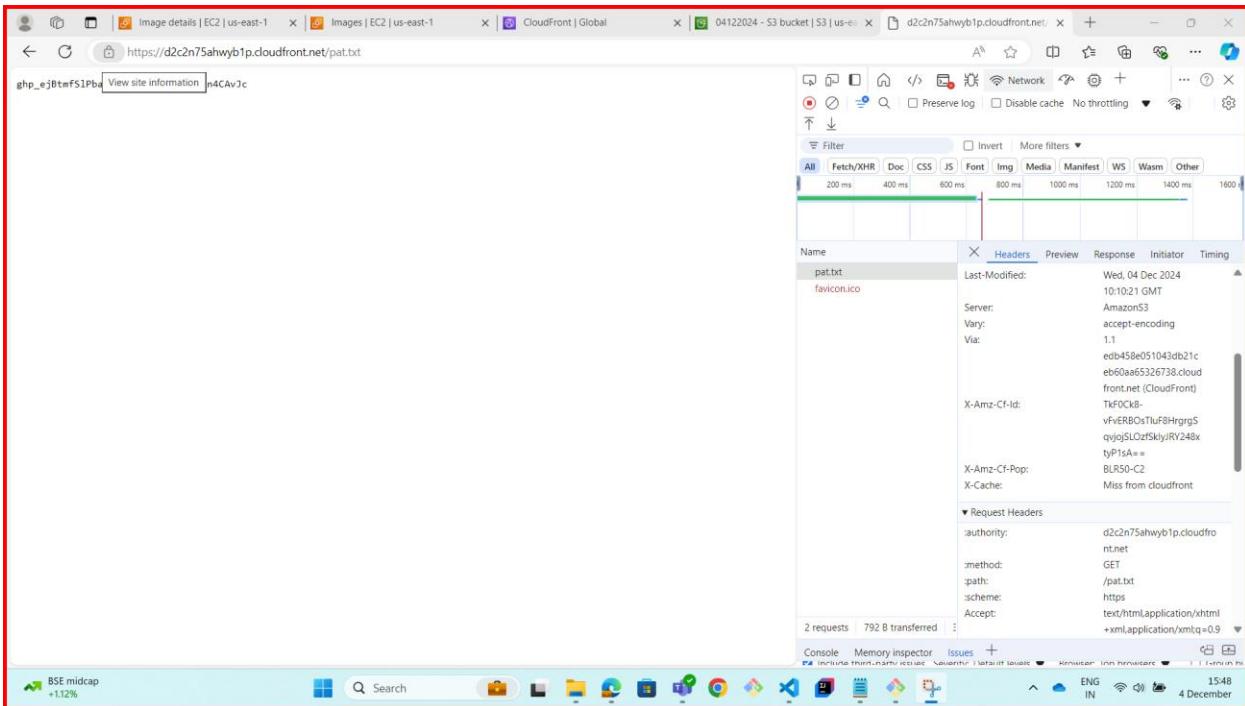
<b>Distribution domain name</b> d2c2n75ahwyb1p.cloudfront.net	<b>ARN</b> arn:aws:cloudfront::692859922925:distribution/E3FH8FPKQWLG1M	<b>Last modified</b> Deploying
------------------------------------------------------------------	----------------------------------------------------------------------------	-----------------------------------

The "Settings" section includes fields for:

- Description
- Price class: Use all edge locations (best performance)
- Supported HTTP versions: HTTP/2, HTTP/1.1, HTTP/1.0
- Alternate domain names
- Standard logging: Off
- Cookie logging: Off
- Default root object

A "Continuous deployment" section is present with a "Create staging distribution" button.

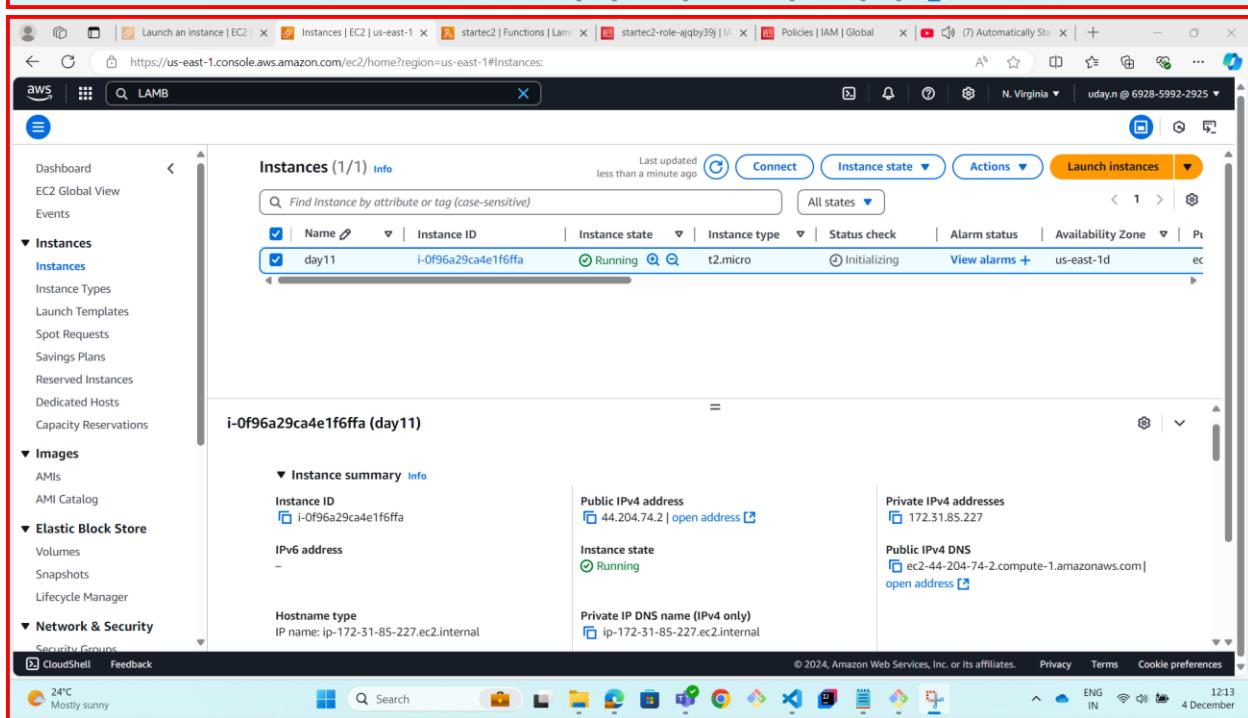
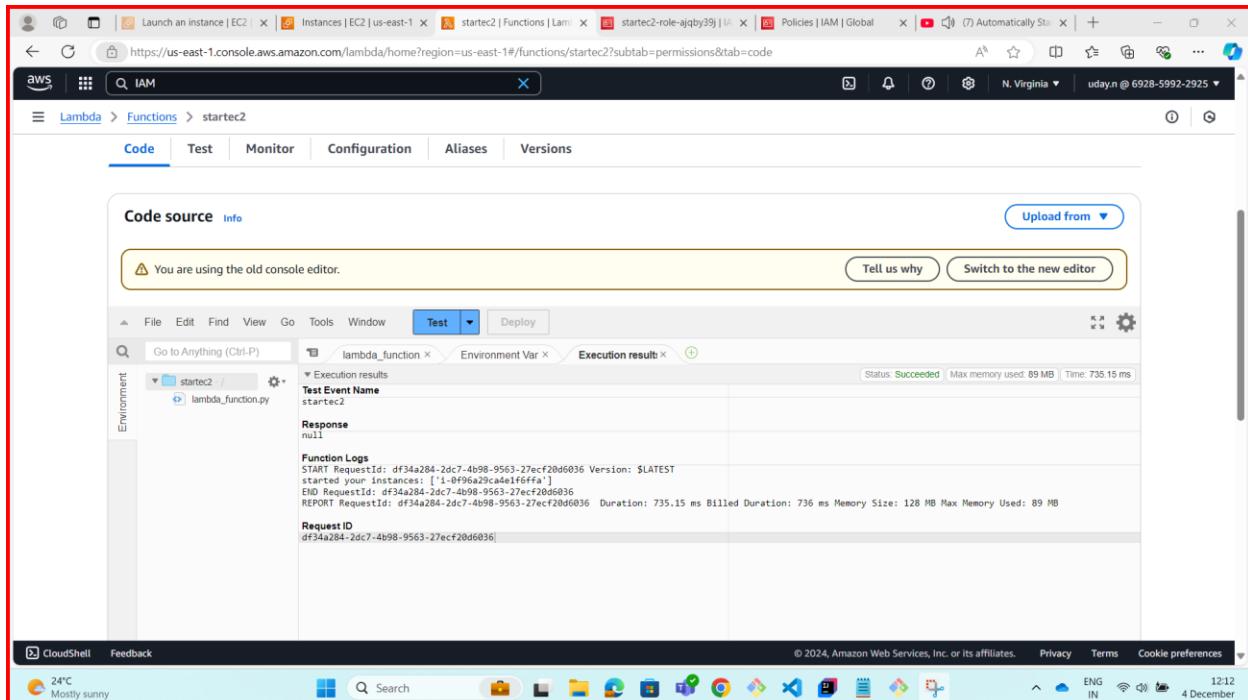




Day 11

The screenshot shows the AWS Lambda console interface. A green success message at the top states "Successfully updated the function stopec2." Below it, the "Code source" tab is selected, showing the function's code in the old console editor. The code is a simple Python script named lambda\_function.py. The "Execution result" tab shows a log entry indicating a successful execution with a duration of 603.95 ms. The logs also mention a function update that was still in progress when the invocation occurred.

The screenshot shows the AWS EC2 Instances page. The left sidebar navigation includes "Instances", "Images", "Elastic Block Store", and "Network & Security". The main content area displays a table titled "Instances (1/1) Info" with one row for an instance named "day11". The instance details show it has an Instance ID of i-0f96a29ca4e1f6ffa, is currently Stopped, and is of type t2.micro. It is located in the us-east-1d Availability Zone. The instance has a Private IP address of 172.31.85.227 and a Public IP address of 172.31.85.227. The "Actions" dropdown menu is open, with "Launch instances" highlighted.



<https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances>

**Instances (1) Info**

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Pt
day11	i-0f96a29ca4e1f6ff	Stopping	t2.micro	-	View alarms +	us-east-1d	ec

**Select an instance**

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CloudShell Feedback 26°C Partly sunny 12:36 4 December

<https://us-east-1.console.aws.amazon.com/scheduler/home?region=us-east-1#schedules/default/newjob>

**Schedule newjob has been saved successfully.**

**newjob**

**Schedule detail**

<b>Schedule name</b> newjob	<b>Status</b> Enabled	<b>Schedule start time</b> -	<b>Flexible time window</b> -
<b>Description</b> -	<b>Schedule ARN</b> arn:aws:scheduler:us-east-1:69285922925:schedule/default/newjob	<b>Schedule end time</b> -	<b>Created date</b> Dec 04, 2024, 12:26:52 (UTC+05:30)
<b>Schedule group name</b> default	<b>Action after completion</b> NONE	<b>Execution time zone</b> Asia/Calcutta	<b>Last modified date</b> Dec 04, 2024, 12:35:00 (UTC+05:30)

**Schedule** Target Retry policy Dead-letter queue Encryption

**Schedule**

Cron expression [Info](#)

34 \* \* \* ? \*  
Minutes Hours Day of month Month Day of week Year

[Copy cron expression](#)

**Next 10 trigger date**

Date and time are displayed in the selected time zone for which this schedule is set in UTC format, e.g. Wed, Nov 9, 2022 09:00 (UTC -08:00)

Wed, 04 Dec 2024 12:34:00 (UTC+05:30)  
Wed, 04 Dec 2024 13:34:00 (UTC+05:30)  
Wed, 04 Dec 2024 14:34:00 (UTC+05:30)  
Wed, 04 Dec 2024 15:34:00 (UTC+05:30)

CloudShell Feedback 26°C Partly sunny 12:37 4 December

The screenshot shows the AWS EC2 Instances page. On the left, a sidebar navigation includes: Dashboard, EC2 Global View, Events, Instances (selected), Instances Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, Snapshots, Lifecycle Manager, Network & Security, Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces, Load Balancing, Load Balancers, Target Groups, Trust Stores, and CloudShell Feedback. The main content area displays a table titled 'Instances (1) Info' with one row:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6
day11	i-0f96a29ca4e1f6ffa	Running	t2.micro	Initializing		us-east-1d	ec2-34-227-22-184.co...	34.227.22.184	-	

Below the table is a section titled 'Select an instance'.

The screenshot shows the AWS EventBridge Scheduler page. On the left, a sidebar navigation includes: Dashboard (New!), Developer resources, Buses, Pipes, Scheduler (selected), Schedules, Integration, and Schema registry. The main content area shows a success message: 'Schedule starttheserver has been saved successfully.' Below it is a table with the following details:

Schedule group name	arnaws:scheduler:us-east-1:69285922925:schedule/default/starttheserver
Action after completion	NONE
Execution time zone	Asia/Calcutta
Last modified date	Dec 04, 2024, 12:46:46 (UTC+05:30)

Below the table is a 'Schedule' section with a cron expression: '47 \* \* \* ? \*'. A 'Copy cron expression' button is available. The 'Next 10 trigger date' section lists the following dates:

- Wed, 04 Dec 2024 12:47:00 (UTC+05:30)
- Wed, 04 Dec 2024 13:47:00 (UTC+05:30)
- Wed, 04 Dec 2024 14:47:00 (UTC+05:30)
- Wed, 04 Dec 2024 15:47:00 (UTC+05:30)
- Wed, 04 Dec 2024 16:47:00 (UTC+05:30)
- Wed, 04 Dec 2024 17:47:00 (UTC+05:30)
- Wed, 04 Dec 2024 18:47:00 (UTC+05:30)
- Wed, 04 Dec 2024 19:47:00 (UTC+05:30)
- Wed, 04 Dec 2024 20:47:00 (UTC+05:30)
- Wed, 04 Dec 2024 21:47:00 (UTC+05:30)

Day 12

The screenshot shows the AWS EC2 AMI Management console. The left sidebar includes navigation links for Dashboard, EC2 Global View, Events, Instances (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (with sub-links for AMIs and AMI Catalog), Elastic Block Store (with sub-links for Volumes, Snapshots, Lifecycle Manager), and Network & Security (with sub-links for Security Groups). The main content area displays a table titled "Amazon Machine Images (AMIs) (6)" with the following columns: Name, AMI name, AMI ID, Source, Owner, and Visi. The table lists six AMIs, all owned by the user, with names like newtest, Backup-day9-i-0e01934d28ee5..., demo, etc., and various IDs and sources. Below the table, there is a section titled "Select an AMI".

Name	AMI name	AMI ID	Source	Owner	Visi
newtest	ami-0965e62d2598d74aa...	692859922925/newtest	692859922925	692859922925	Priv
Backup-day9-i-0e01934d28ee5...	ami-0c1dcf6760e8830bd...	692859922925/Backup-day9-i-0e0193...	692859922925	692859922925	Priv
demo	ami-0d7a45cd5f0624455...	692859922925/demo	692859922925	692859922925	Priv
Backup-day9-i-0e01934d28ee5...	ami-0d2e721faab96a64e...	692859922925/Backup-day9-i-0e0193...	692859922925	692859922925	Priv
Backup-day11-i-0f96a29ca4e1f...	ami-0dd1c0e4f26b95767...	692859922925/Backup-day11-i-0f96a...	692859922925	692859922925	Priv
Backup-day11-i-0f96a29ca4e1f...	ami-0d44a2a8d799a87d1...	692859922925/Backup-day11-i-0f96a...	692859922925	692859922925	Priv

Docker provides a number of advantages, especially when it comes to building, deploying, and managing applications in a consistent and reliable way. Here are some of the key benefits of using Docker:

## 1. \*\*Portability\*\*  
Docker containers encapsulate an application and its dependencies, making it possible to run the same container on any platform that supports Docker (Linux, Windows, macOS, or even cloud platforms like AWS, Google Cloud, or Azure). This ensures that an application will run the same way on a developer's machine, a test environment, or production.

\*\*Advantage:\*\*  
- Ensures consistent behavior across different environments and reduces the "it works on my machine" problem.  
- Applications packaged in Docker containers can be easily moved across environments without modification.

## 2. \*\*Environment Consistency\*\*  
With Docker, you define everything needed to run an application within the container (OS, libraries, configurations, etc.), creating a consistent environment for all stages of development, testing, and deployment.

\*\*Advantage:\*\*  
- Developers, testers, and operations teams work in the same environment.  
- Reduces configuration discrepancies and environment-related bugs.

## 3. \*\*Isolation\*\*  
Docker containers provide a high level of isolation between applications and services, which means that each container runs in its own separate environment. This isolation helps in managing dependencies, avoiding conflicts, and ensuring that different services do not interfere with each other.

\*\*Advantage:\*\*  
- Prevents dependency conflicts between applications.  
- Protects against security risks, as containers isolate applications from each other and from the host system.  
- Enables multi-tenancy (running multiple instances of the same application or different applications on the same host).

## 4. \*\*Scalability\*\*  
Docker makes it easy to scale applications up or down based on demand. When running containers in a cluster (using Docker Swarm or Kubernetes), you can quickly increase or decrease the number of replicas for a service to handle varying traffic loads.

\*\*Advantage:\*\*  
- Helps in handling varying workloads by scaling services horizontally (by adding more container instances).  
- Automatic load balancing and orchestration (via Docker Swarm or Kubernetes) make it easier to manage scaled services.  
- Ideal for microservices-based applications, where services can be scaled independently.

## 5. \*\*Fast and Efficient Deployment\*\*  
Docker containers are lightweight compared to virtual machines because they share the host OS kernel, which results in less overhead. This allows for faster startup times and resource usage efficiency.

\*\*Advantage:\*\*  
- Containers can start and stop quickly, allowing for fast application deployment and scaling.  
- Lower resource overhead compared to virtual machines, leading to better resource utilization.

## 6. \*\*Simplified CI/CD Integration\*\*

Docker provides a number of advantages, especially when it comes to building, deploying, and managing applications in a consistent and scalable way. Here are some of the key benefits of using Docker:

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- Prevents dependency conflicts between applications.  
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- Enables multi-tenancy (running multiple instances of the same application or different applications on the same host).

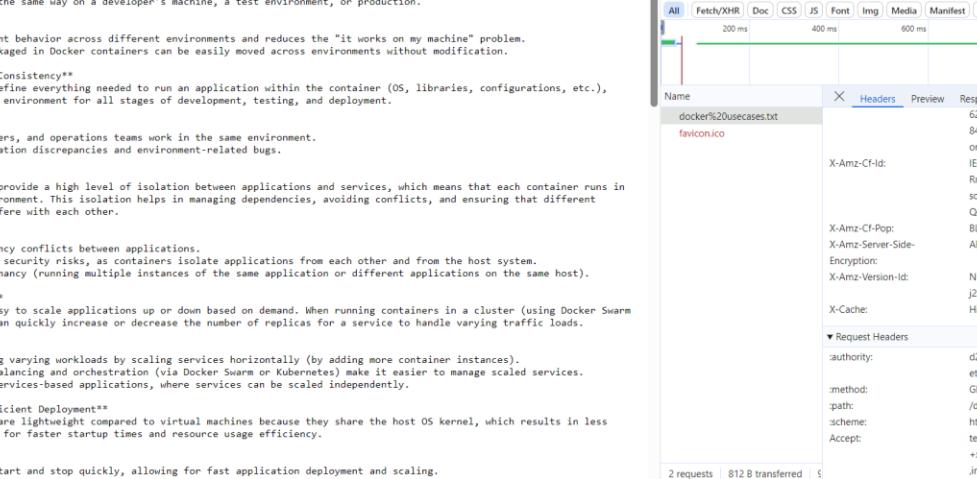
**## 4. \*\*Scalability\*\***  
Docker makes it easy to scale applications up or down based on demand. When running containers in a cluster (using Docker Swarm or Kubernetes), you can quickly increase or decrease the number of replicas for a service to handle varying traffic loads.

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**## 6. \*\*Simplified CI/CD Integration\*\***



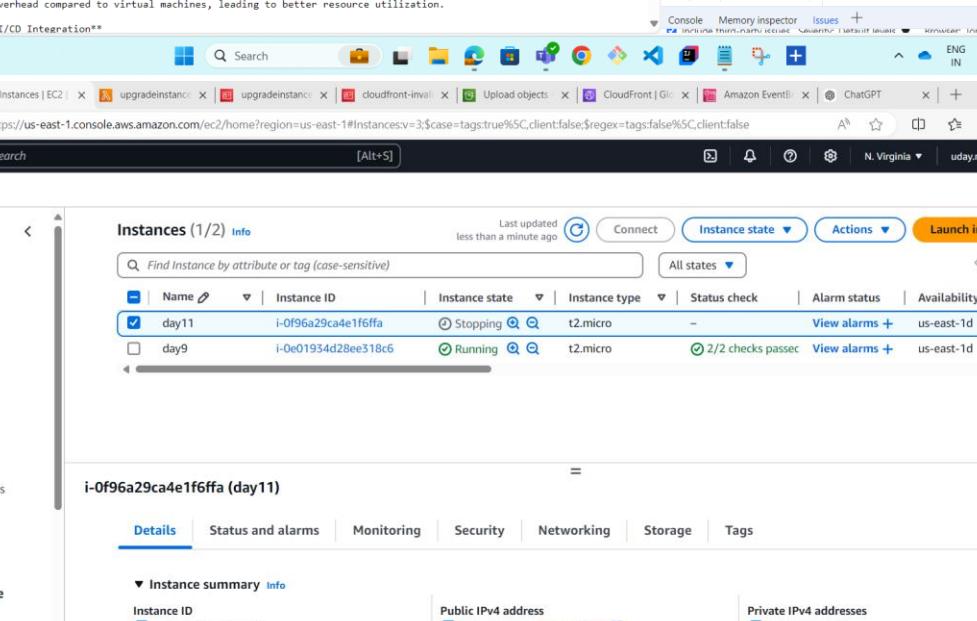
The screenshot shows a browser window with the Docker documentation for "docker%20usecases.txt". To the right, a NetworkMiner tool is open, showing network traffic details for the file download. The Headers tab shows the following request headers:

Name	Value
Host	d2yoyl4leafcr.cloudfront.net
User-Agent	curl/7.80.0
Accept	*/*
Accept-Encoding	gzip, deflate, br
Accept-Language	en-US,en;q=0.9,ru;q=0.8,uk;q=0.7
Connection	keep-alive
DNT	1
Sec-Fetch-Dest	document
Sec-Fetch-Mode	navigate
Sec-Fetch-Site	none
Sec-GPC	1
TE	trailers
Referer	https://d2yoyl4leafcr.cloudfront.net/docker%20usecases.txt
Cookie	CloudFront-Viewer-Country=US

The Response tab shows the file content: "docker%20usecases.txt". The Headers tab also lists:

- X-Amz-Cf-Id: f0c5fc7d43112c30fb4
- X-Amz-Cf-Pop: BR50-P1
- X-Amz-Server-Side-Encryption: AES256
- X-Amz-Version-Id: 1N1Y2aftAr7Fn3IfaQQPZk6BqU\_RwZ8
- X-Cache: Hit from cloudfront

The Issues tab shows a single issue: "Request Headers: authority: d2yoyl4leafcr.cloudfront.net".



The screenshot shows the AWS CloudWatch Metrics console. On the left, a navigation pane includes links for Dashboard, EC2 Global View, Events, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, Snapshots, Lifecycle Manager, and Network & Security. The Instances link is selected.

The main area displays "Instances (1/2) Info" for two instances: "day11" (Status: Stopping) and "day9" (Status: Running). A detailed view for instance "i-0f96a29ca4e1f6ffa (day11)" is shown, with tabs for Details, Status and alarms, Monitoring, Security, Networking, Storage, and Tags. Under the Details tab, the Instance summary section shows the Instance ID (i-0f96a29ca4e1f6ffa), Public IP4 address (3.84.211.157), Instance state (Stopping), and Private IP4 addresses (172.31.85.227). The Public IPv4 DNS is listed as ec2-3-84-211-157.compute-1.amazonaws.com.

The screenshot shows the AWS EC2 Instances page. The left sidebar navigation includes: Dashboard, EC2 Global View, Events, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images (AMIs, AMI Catalog), Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), and Network & Security (Security Groups). The main content area displays 'Instances (1/2) Info' with a search bar and filters for 'All states'. Two instances are listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Region
day11	i-0f96a29ca4e1f6ffa	Running	t2.medium	Initializing	View alarms +	us-east-1d	ec
day9	i-0e01934d28ee318c6	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1d	ec

Below this, a detailed view is shown for instance i-0f96a29ca4e1f6ffa (day11), with tabs for Details, Status and alarms, Monitoring, Security, Networking, Storage, and Tags. The Details tab is selected, showing the Instance summary with fields for Instance ID (i-0f96a29ca4e1f6ffa), Public IPv4 address (18.212.26.39), Private IPv4 addresses (172.31.85.227), IPv6 address (-), Instance state (Running), Public IPv4 DNS (ec2-18-212-26-39.compute-1.amazonaws.com), and Public IPv4 DNS (ec2-18-212-26-39.compute-1.amazonaws.com).

Day 13

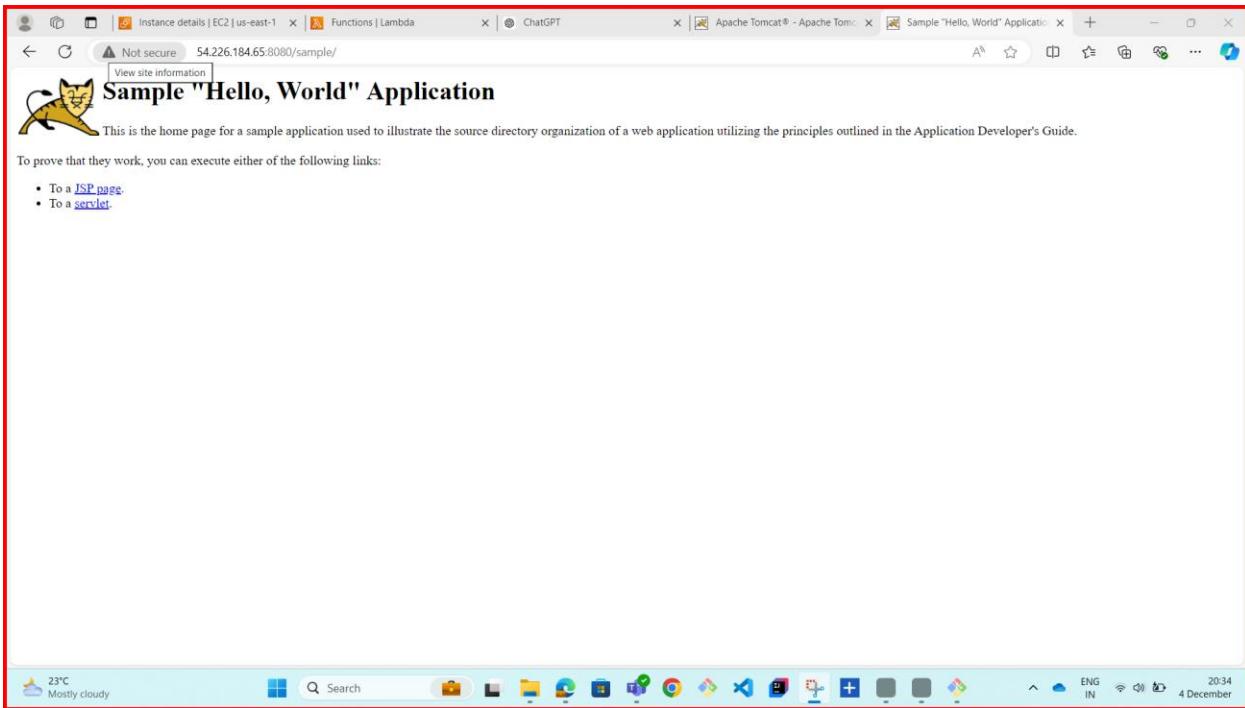
```
root@ip-172-31-89-89:~# home/ec2-user
Running scriptlet: containedr-1.7.23-1.amzn2023.0.1.x86_64
Installing : libpfcr-2.5-1.amzn2023.0.1.x86_64
Installing : liblbnftn-1.2.2-2.amzn2023.0.2.x86_64
Installing : libmynetlink-1.0.1-19.amzn2023.0.2.x86_64
Installing : libmetfilter_conntrack-1.0.8-2.amzn2023.0.2.x86_64
Installing : ipTables-libs-1.8.8-3.amzn2023.0.2.x86_64
Installing : libnfnetlink-1.0.1-19.amzn2023.0.2.x86_64
Running scriptlet: ipTables-nft-1.8.8-3.amzn2023.0.2.x86_64
Installing : liblbnftn-1.2.2-2.amzn2023.0.2.x86_64
Running scriptlet: docker-25.0.6-1.amzn2023.0.2.x86_64
Installing : docker-25.0.6-1.amzn2023.0.2.x86_64
Running scriptlet: docker-25.0.6-1.amzn2023.0.2.x86_64
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket -> /usr/lib/systemd/system/docker.socket.

Verifying : containedr-1.7.23-1.amzn2023.0.1.x86_64
Verifying : docker-25.0.6-1.amzn2023.0.2.x86_64
Verifying : ipTables-libs-1.8.8-3.amzn2023.0.2.x86_64
Verifying : ipTables-nft-1.8.8-3.amzn2023.0.2.x86_64
Verifying : liblbnftn-1.2.2-2.amzn2023.0.2.x86_64
Verifying : libnfnetlink-1.0.1-19.amzn2023.0.2.x86_64
Verifying : libnfnetlink-1.2.2-2.amzn2023.0.2.x86_64
Verifying : ping-2.5-1.amzn2023.0.3.x86_64
Verifying : runc-1.1.14-1.amzn2023.0.1.x86_64

Installed:
-containedr-1.7.23-1.amzn2023.0.1.x86_64
-docker-25.0.6-1.amzn2023.0.2.x86_64
-libnetfilter_conntrack-1.0.8-2.amzn2023.0.2.x86_64
-ipTables-libs-1.8.8-3.amzn2023.0.2.x86_64
-liblbnftn-1.2.2-2.amzn2023.0.2.x86_64
-ping-2.5-1.amzn2023.0.3.x86_64
-runc-1.1.14-1.amzn2023.0.1.x86_64

Completed!
[root@ip-172-31-89-89 ec2-user]# systemctl start docker
[root@ip-172-31-89-89 ec2-user]# systemctl status docker
● docker.service - Docker Application Container Engine
 Loaded: loaded (/usr/lib/systemd/system/docker.service; disabled; preset: disabled)
 Active: active (running) since Wed 2024-12-04 12:14:00 UTC; 8s ago
TriggeredBy: ● docker.socket
 Docs: https://docs.docker.com
 Process: 8169 ExecStartPre=/usr/libexec/docker/docker-setup-runtimes.sh (Code-exited, status=0/SUCCESS)
 Main PID: 8170 (dockerd)
 Tasks: 1
 Memory: 79.6M
 CPU: 32ms
 CGroup: /system.slice/docker.service
 └─8170 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock --default-ulimit nofile=32768:65536

Dec 04 12:13:59 ip-172-31-89-89 ec2.internal systemd[1]: Starting docker.service - Docker Application Container Engine...
Dec 04 12:14:00 ip-172-31-89-89 ec2.internal docker[8170]: time="2024-12-04T12:14:00.016145542Z" level=info msg="Starting up"
Dec 04 12:14:00 ip-172-31-89-89 ec2.internal docker[8170]: time="2024-12-04T12:14:00.017010033Z" level=info msg="Loading containers: start"
Dec 04 12:14:00 ip-172-31-89-89 ec2.internal docker[8170]: time="2024-12-04T12:14:00.015110715Z" level=info msg="Loading containers: done"
Dec 04 12:14:00 ip-172-31-89-89 ec2.internal docker[8170]: time="2024-12-04T12:14:00.015110715Z" level=info msg="Docker daemon commit=d0b8a5f containerd-snapshotter=false storage-driver=overlay2 version=25.0.0"
Dec 04 12:14:00 ip-172-31-89-89 ec2.internal docker[8170]: time="2024-12-04T12:14:00.015408714Z" level=info msg="API listen on /run/docker.sock"
Dec 04 12:14:00 ip-172-31-89-89 ec2.internal systemd[1]: Started docker.service - Docker Application Container Engine.
Time 1-22/22 (END)
[ec2-user]
root@ip-172-31-89-89 ec2-user]#
```



A screenshot of a Microsoft Edge browser window. The address bar shows 'simple-1783593894.us-east-1.elb.amazonaws.com'. The page title is 'Apache Tomcat/11.0.1'. It displays the message: 'If you're seeing this, you've successfully installed Tomcat. Congratulations!' Below this is a cartoon cat logo. The page then lists 'Recommended Reading:' with links to 'Security Considerations How-To', 'Manager Application How-To', and 'Clustering/Session Replication How-To'. Under 'Developer Quick Start', there are links to 'Tomcat Setup', 'First Web Application', and 'Realms &amp; AAA'. The browser's taskbar at the bottom shows various open tabs related to AWS services like EC2, Lambda, and CloudWatch.

Day 15

```
[root@ip-172-31-31-25 ~]# docker network ls
NETWORK ID NAME DRIVER SCOPE
944b0105cald DNW1 bridge local
7fabd311b23d DNW2 bridge local
735d87c3090c bridge bridge local
936913d899ab host host local
95f736ba6e69 none null local
[root@ip-172-31-31-25 ~]# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
e4c486813d6c ubuntu "/bin/bash" 12 minutes ago Up 12 minutes ubuntu_network2
3c7b648e4eae ubuntu "/bin/bash" 12 minutes ago Up 12 minutes ubuntu_network1
71caee173a2d tomcat:latest "catalina.sh run" About an hour ago Up About an hour 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp uday1
[root@ip-172-31-31-25 ~]#
```

```
[root@ip-172-31-31-25 ~]# docker exec -it ubuntu_network1 /bin/bash
root@3c7b648e4eae:~# ping 172.18.0.2
PING 172.18.0.2 (172.18.0.2) 56(84) bytes of data.
64 bytes from 172.18.0.2: icmp_seq=1 ttl=127 time=0.028 ms
64 bytes from 172.18.0.2: icmp_seq=2 ttl=127 time=0.032 ms
64 bytes from 172.18.0.2: icmp_seq=3 ttl=127 time=0.034 ms
^C
--- 172.18.0.2 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2102ms
rtt min/avg/max/mdev = 0.028/0.031/0.034/0.002 ms
root@3c7b648e4eae:~# ping 172.18.0.3
PING 172.18.0.3 (172.18.0.3) 56(84) bytes of data.
64 bytes from 172.18.0.3: icmp_seq=1 ttl=127 time=0.636 ms
64 bytes from 172.18.0.3: icmp_seq=2 ttl=127 time=0.053 ms
64 bytes from 172.18.0.3: icmp_seq=3 ttl=127 time=0.060 ms
^C
--- 172.18.0.3 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2086ms
rtt min/avg/max/mdev = 0.053/0.249/0.636/0.273 ms
root@3c7b648e4eae:~# exit
exit
[root@ip-172-31-31-25 ~]# docker exec -it ubuntu_network2 /bin/bash
root@4c486813d6c:~# ping 172.19.0.2
PING 172.19.0.2 (172.19.0.2) 56(84) bytes of data.
64 bytes from 172.19.0.2: icmp_seq=1 ttl=127 time=0.026 ms
64 bytes from 172.19.0.2: icmp_seq=2 ttl=127 time=0.033 ms
^C
--- 172.19.0.2 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1052ms
rtt min/avg/max/mdev = 0.026/0.029/0.033/0.003 ms
root@4c486813d6c:~# ping 172.19.0.3
PING 172.19.0.3 (172.19.0.3) 56(84) bytes of data.
From 172.19.0.2 icmp_seq=1 Destination Host Unreachable
From 172.19.0.2 icmp_seq=2 Destination Host Unreachable
From 172.19.0.2 icmp_seq=3 Destination Host Unreachable
^C
--- 172.19.0.3 ping statistics ---
5 packets transmitted, 0 received, +3 errors, 100% packet loss, time 4121ms
pipe 3
root@4c486813d6c:~# :
```

```
[root@ip-172-31-31-25 ~]# docker inspect DNW1
[{"Id": "944bd0105ca1d0f0fb7bd9a8493e7ae4f9bdc81f1f75104ad14ee28de8477e75c", "Created": "2024-12-04T16:02:12.143425729Z", "Scope": "local", "Driver": "bridge", "EnablePvC": false, "IPAM": {"Driver": "default", "Options": {}, "Config": [{"Subnet": "172.18.0.0/16", "Gateway": "172.18.0.1"}]}, "Internal": false, "Attachable": false, "Ingress": false, "ConfigFrom": {"Network": ""}}, "Configonly": false, "Containers": [{"Name": "ubuntu_network1", "EndpointID": "0fd292b3a5e3271ff1d996a4d3b5217b11f416097e66d715d6b70f8d839d9fe", "MacAddress": "02:42:ac:12:00:02", "IPv4Address": "172.18.0.2/16", "IPv6Address": ""}, {"Name": "ubuntu_network2", "EndpointID": "56a0d540714773574aa13572a3ca0fb3e6ed9e59ca3a468cb01d57e2f9e68d9a", "MacAddress": "02:42:ac:12:00:03", "IPv4Address": "172.18.0.3/16", "IPv6Address": ""}], "Options": {}, "Labels": {}}], [root@ip-172-31-31-25 ~]# |
```

Day 16

Auto AMI Creation S Instances | EC2 | us-east-1 Databases | RDS | us-east-1 Subscription: b25bb... RDS | us-east-1 Mail - Uday Kumar Daily-Tasks.pdf

https://us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/subscription/arn:aws:sns:us-east-1:692859922925:sample:b25bb599-ca40-4b12-a32f-d58bf0513e5d

Amazon SNS > Topics > sample > Subscription: b25bb599-ca40-4b12-a32f-d58bf0513e5d

## Subscription: b25bb599-ca40-4b12-a32f-d58bf0513e5d

**Details**

**ARN**  
arn:aws:sns:us-east-1:692859922925:sample:b25bb599-ca40-4b12-a32f-d58bf0513e5d

**Status**  
Confirmed

**Endpoint**  
udey.kumar@xymsoft.com

**Protocol**  
EMAIL

**Topic**  
sample

**Subscription Principal**  
arn:aws:iam::692859922925:user/udey

**Subscription filter policy** **Redrive policy (dead-letter queue)**

**Subscription filter policy** Info  
This policy filters the messages that a subscriber receives.

No filter policy configured for this subscription.  
To apply a filter policy, edit this subscription.

Edit

CloudShell Feedback 24°C Clear 2005 07-12-2024

Auto AMI Creation Script Instances | EC2 | us-east-1 RDS | us-east-1 Subscription: b25bb599... RDS | us-east-1 Mail - Uday Kumar - Out

https://us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#databaseId=database-1;is-cluster=false

RDS > Databases > database-1

## Amazon RDS

**Databases**

Query Editor Performance insights Snapshots Exports in Amazon S3 Automated backups Reserved instances Proxies

Subnet groups Parameter groups Option groups Custom engine versions Zero-ETL integrations

Events Event subscriptions

### database-1

**Summary**

DB identifier	Status	Role	Engine	Recommendations
database-1	Available	Instance	MySQL Community	
CPU	Class	Current activity	Region & AZ	
3.93%	db.t4g.micro	0 Connections	us-east-1b	

**Connectivity & security** **Monitoring** **Logs & events** **Configuration** **Zero-ETL integrations** **Maintenance & backups** **Data**

#### Connectivity & security

**Endpoint & port**

Endpoint	Port
database-1.c5s8mmus6jet.us-east-1.rds.amazonaws.com	3306

**Networking**

Availability Zone	VPC	Subnets
us-east-1b	vpc-0e218c61289f471cb	subnet-0279b71b5c0704ea7

**Security**

VPC security groups	Publicly accessible	Certificate authority
default (sg-0fb6f614ad46f6e24e)	Yes	Info rds-ca-rsa2048-g1

CloudShell Feedback 85E smicap +0.60% 18:06 07-12-2024

**Events (7)**

Source	Type	Time	Message
database-1	Instances	December 07, 2024, 17:47 (UTC+05:30)	Finished DB Instance backup
rds:database-1-2024-12-07-12-15	Snapshots	December 07, 2024, 17:47 (UTC+05:30)	Automated snapshot created
database-1	Instances	December 07, 2024, 17:46 (UTC+05:30)	Backing up DB instance
rds:database-1-2024-12-07-12-15	Snapshots	December 07, 2024, 17:46 (UTC+05:30)	Creating automated snapshot
database-1	Instances	December 07, 2024, 17:44 (UTC+05:30)	DB instance created
database-1	Instances	December 07, 2024, 17:44 (UTC+05:30)	DB instance restarted
database-1	Instances	December 07, 2024, 17:44 (UTC+05:30)	DB instance restarted

**RDS Notification Message**

AWS Notifications <no-reply@sns.amazonaws.com>  
To: Uday Kumar  
Sat 12/7/2024 6:03 PM

CAUTION: This email originated from outside of Xyram. Do not click links or open attachments unless you recognize the sender and know the content is safe.

This is a message to notify that RDS will attempt to send you event notifications of type db-instance to the topic arn:aws:sns:us-east-1:692859922925:sample-b25bb599-ca40-4b12-a32f-d58bf013e5d8&Endpoint=uday.kumar@xyramsoft.com

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:  
<https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:692859922925:sample-b25bb599-ca40-4b12-a32f-d58bf013e5d8&Endpoint=uday.kumar@xyramsoft.com>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

Day 19

VPC | us-east-1 Functions | Lambda ChatGPT

https://us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#VpcDetails:VpcId=vpc-003c8e6728ac55489

VPC Services Search [Alt+S]

VPC dashboard

EC2 Global View Filter by VPC

Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only Internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists NAT gateways Peering connections Security Network ACLs Security groups

VPC > Your VPCs > vpc-003c8e6728ac55489

vpc-003c8e6728ac55489 / sample-vpc

Details Info

VPC ID vpc-003c8e6728ac55489	State Available	Block Public Access Off	DNS hostnames Enabled
DNS resolution Enabled	Tenancy Default	DHCP option set dopt-093684eed5895b0a8	Main route table rtb-01fe2d50e3448b8e9
Main network ACL acl-0527af5790be68d5d	Default VPC No	IPv4 CIDR 10.0.0.0/16	IPv6 pool -
IPv6 CIDR (Network border group) -	Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups -	Owner ID 692859922925

Resource map CIDRs Flow logs Tags Integrations

Resource map Info

VPC Show details Your AWS virtual network Subnets (4) Subnets within this VPC Route tables (4) Route network traffic to resources

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CloudShell Feedback

22°C Mostly cloudy

Load balancers | EC2 | us-east-1 Instances | EC2 | us-east-1 ChatGPT

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instancesv=3:\$case=true\$%5Cclient:false\$regex=tags:false%5Cclient:false

aws Services Search [Alt+S]

EC2 Security Groups sg-0c4c46d103de472db - launch-wizard-2

Dashboard EC2 Global View Events

Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations

Images AMIs AMI Catalog

Elastic Block Store Volumes Snapshots Lifecycle Manager

Network & Security Security Groups

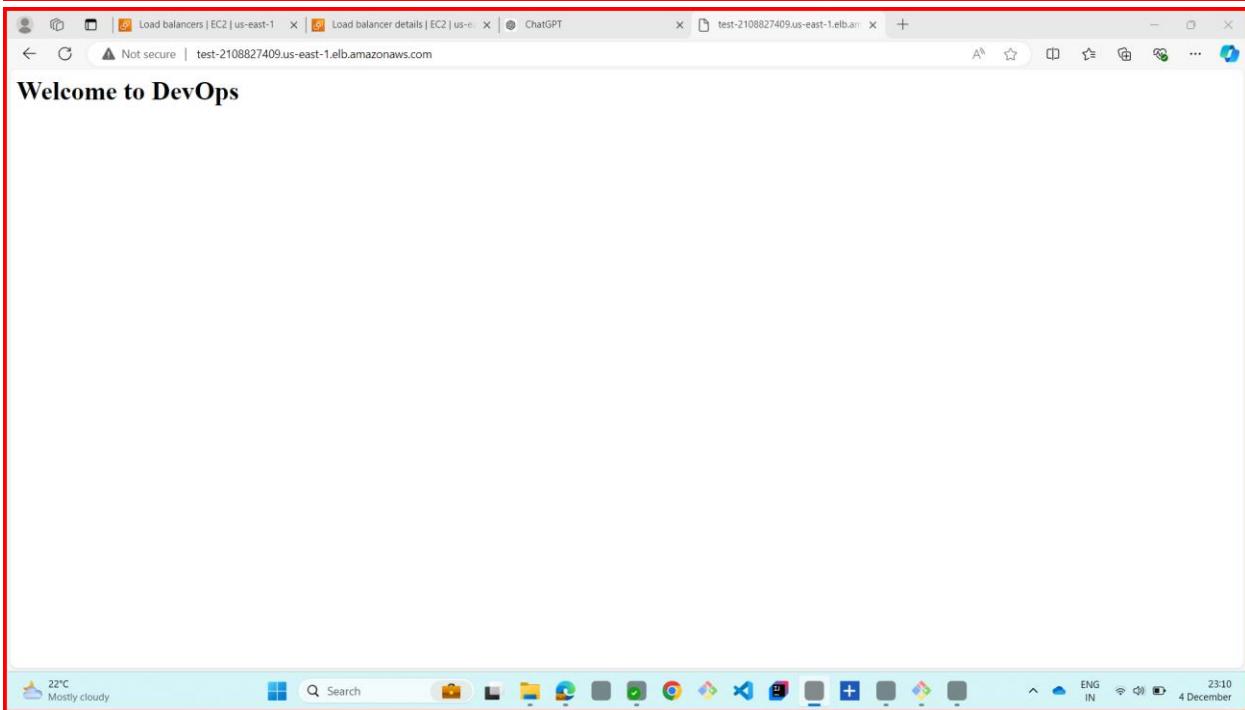
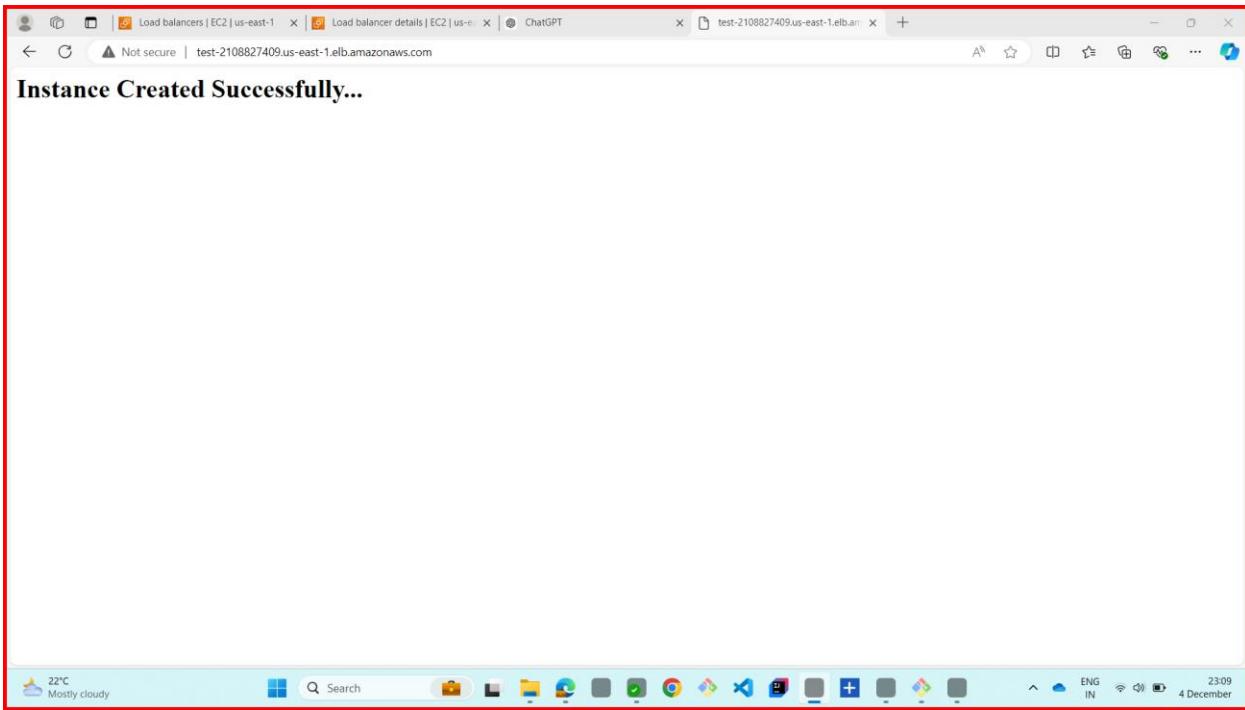
CloudShell Feedback

22°C Mostly cloudy

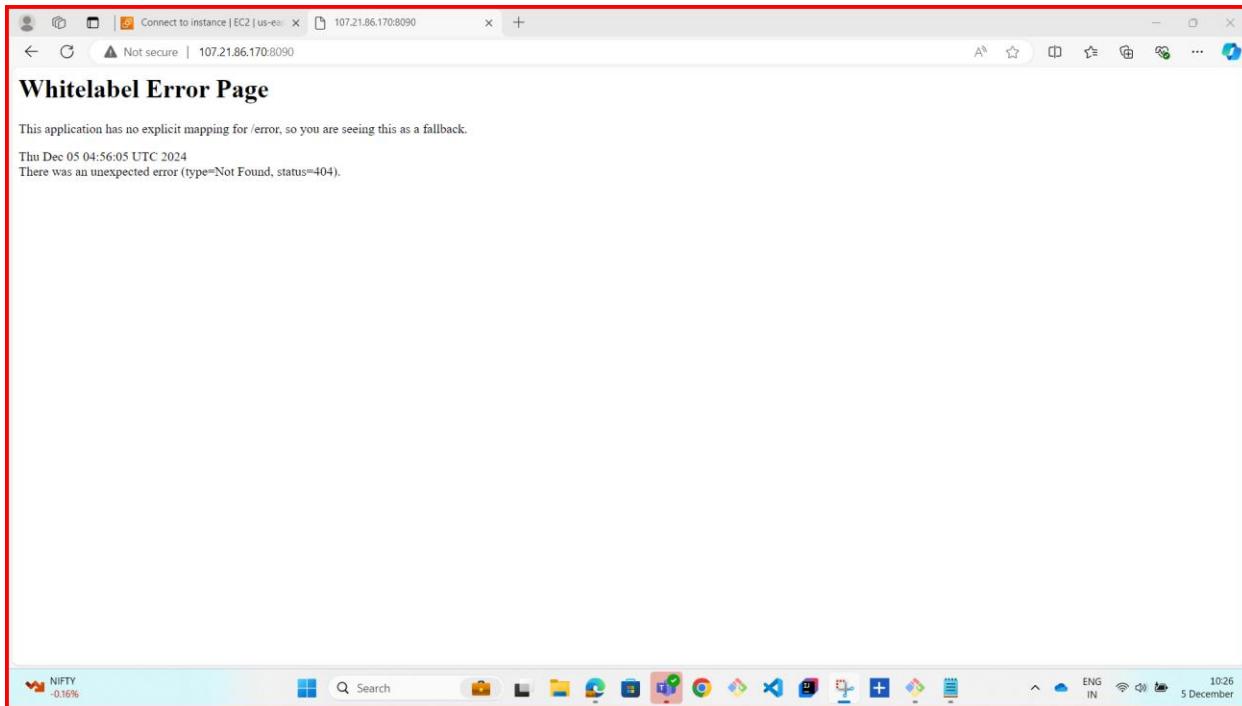
Instances (2) Info Last updated less than a minute ago Connect Instance state Actions Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
vpc2	i-0a613347e4510ae84	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b
vpc1	i-01cca4546f09ec90f	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a

Select an instance



Day 21



```
root@ip-172-31-34-239:/home/ec2-user/sampleApp/target
[root@ip-172-31-34-239 sampleApp]# ls
dockerfile HELP.adoc maven pom.xml src target
[root@ip-172-31-34-239 sampleApp]# cd target
[root@ip-172-31-34-239 target]# ls
classes generated-sources generated-test-sources maven-archiver maven-status sampleApp-0.0.1-SNAPSHOT.jar sampleApp-0.0.1-SNAPSHOT.jar.original surefire-reports test-classes
[root@ip-172-31-34-239 target]# java -jar sampleApp-0.0.1-SNAPSHOT.jar

:: Spring Boot :: (v3.4.0)

2024-12-07T17:13:21.391Z INFO 6372 --- [sampleApp] [main] S.SampleAppApplication : Starting SampleAppApplication v0.0.1-SNAPSHOT using Java 17.0.13 with PID 6372 (/home/ec2-user/sa
mpleApp/target/sampleApp-0.0.1-SNAPSHOT.jar started by root in /home/ec2-user/sampleApp/target)
2024-12-07T17:13:21.407Z INFO 6372 --- [sampleApp] [main] S.SampleAppApplication : No active profile is set, falling back to 1 default profile: "default"
2024-12-07T17:13:21.407Z INFO 6372 --- [sampleApp] [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8090 (http)
2024-12-07T17:13:23.473Z INFO 6372 --- [sampleApp] [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2024-12-07T17:13:23.473Z INFO 6372 --- [sampleApp] [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.33]
2024-12-07T17:13:23.707Z INFO 6372 --- [sampleApp] [main] o.a.c.c.[Tomcat].[localhost].[/] : Initializing Spring embedded webApplicationContext
2024-12-07T17:13:23.707Z INFO 6372 --- [sampleApp] [main] w.s.e.ServletWebServerApplicationContext : Root webApplicationContext: initialization completed in 2193 ms
2024-12-07T17:13:24.992Z INFO 6372 --- [sampleApp] [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Server started on port 8090 (http) with context path '/'
2024-12-07T17:13:24.992Z INFO 6372 --- [sampleApp] [main] S.SampleAppApplication : Started SampleAppApplication in 4.582 seconds (process running for 5.586)
```