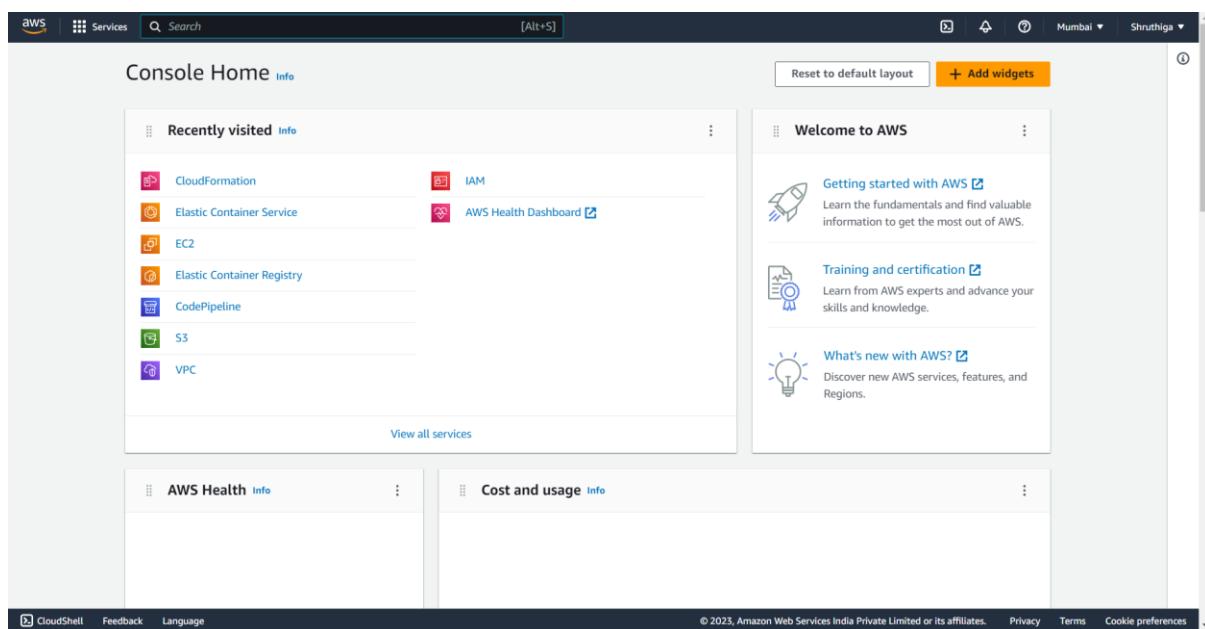


CLOUD COMPUTING USING AWS

NAME : SHRUTHIGA K
REG NO. : 727721EUCS143
CLASS : CSE – C

DAY 1

1.)



DAY 2

The screenshot shows the AWS EC2 Instances page. At the top, a green banner says "Successfully started i-0fe8bf082f94bb9d5". Below it, the "Instances (1/2) info" section lists two instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
ShruthigaWin...	i-0fe8bf082f94bb9d5	Running	t2.micro	Initializing	No alarms	ap-south-1a	ec2-5-111-188-2
AGS-Shruthiga	i-0fc81cc4b4c17dcda	Stopped	t2.micro	-	No alarms	ap-south-1a	-

Below the table, the "Instance: i-0fe8bf082f94bb9d5 (ShruthigaWindows)" details page is shown. It has tabs for Details, Security, Networking, Storage, Status checks, Monitoring, and Tags. The Details tab displays the following information:

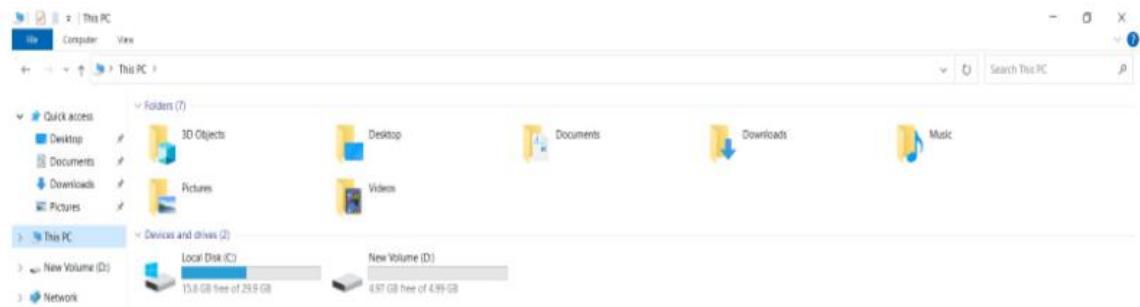
Attribute	Value
Instance ID	i-0fe8bf082f94bb9d5 (ShruthigaWindows)
IPV6 address	-
Hostname type	Private IP DNS name (IPv4 only)
IP name	ip-172-31-43-255.ap-south-1.compute.internal
Answer private resource DNS name	ip-172-31-43-255.ap-south-1.compute.internal
IPv4 (A)	t2.micro
Auto-assigned IP address	3.111.188.248 [Public IP]
VPC ID	vpc-0703e3581241a7093
IAM Role	-
Subnet ID	subnet-02b4bdcb62ba14737

At the bottom of the page, there are links for CloudShell, Feedback, Language, and a footer with copyright information.

1.)

2.)

3.)



S 9 items

Type here to search

9:39 AM 4/17/2023

New EC2 Experience Tell us what you think X

Successfully created snapshot snap-054f789e13c0a2937 from volume vol-07317bc765efe9dd0. If you need your snapshot to be immediately available consider using Fast Snapshot Restore.

Manage fast snapshot restore X

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

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

CloudShell Feedback Language

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Volumes (1/5)

Actions ▾ Create volume

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Avg.
-	vol-0532d462df6442673	gp2	30 GiB	100	-	snap-de38a64...	2023/04/11 09:42 GMT+5:30	ap-si...
-	vol-0090b5eb65f81724a	gp2	5 GiB	100	-	-	2023/04/11 15:06 GMT+5:30	ap-si...
-	vol-07786eb678f80acc	gp2	8 GiB	100	-	snap-0fad4b3...	2023/04/12 11:12 GMT+5:30	ap-si...
ShruthigaWin...	vol-07317bc765efe9dd0	gp2	5 GiB	100	-	-	2023/04/16 23:23 GMT+5:30	ap-si...

Volume ID: vol-07317bc765efe9dd0 (ShruthigaWindowsVol1)

Details Status checks Monitoring Tags

Details

Volume ID vol-07317bc765efe9dd0 (ShruthigaWindowsVol1)	Size 5 GiB	Type gp2	Volume status Okay
AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more	Volume state In-use	IOPS 100	Throughput -
Encryption Not encrypted	KMS key ID -	KMS key alias -	KMS key ARN -
Lifecycle Manager	Fast snapshot restored No	Snapshot -	Availability Zone ap-south-1a
			Created Sun Apr 16 2023 23:23:35 GMT+0530 (India Standard Time)

4.)

The screenshot shows the AWS EC2 Instances page. At the top, there's a search bar and a filter for 'Instance state = running'. A table lists one instance: 'ShruthigaLinux' (i-04dc103ad256bb981), which is 'Running' (t2.micro). Below this, the 'Instance: i-04dc103ad256bb981 (ShruthigaLinux)' details page is shown. It includes tabs for Details, Security, Networking, Storage, Status checks, Monitoring, and Tags. Under 'Details', it shows the instance ID, public IP address (13.235.103.34), private IP address (172.31.45.249), instance state (Running), host name (ip-172-31-45-249.ap-south-1.compute.internal), and other metadata like VPC ID and subnet ID.

5.)

The screenshot shows the AWS EC2 Instances page. On the left, there's a navigation sidebar with options like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, 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 a table of instances with one row selected. The selected instance is 'ShruthigaLinux' (ID: i-04dc103ad256bb981). The details panel for this instance shows the following information:

Details	Security	Networking	Storage	Status checks	Monitoring	Tags
Instance summary						
Instance ID i-04dc103ad256bb981 (ShruthigaLinux)	Public IPv4 address 13.232.32.199 open address	Private IPv4 addresses 172.31.45.249				
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-13-232-32-199.ap-south-1.compute.amazonaws.com open address				
Hostname type IP name: ip-172-31-45-249.ap-south-1.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-45-249.ap-south-1.compute.internal	Elastic IP addresses -				
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more				
Auto-assigned IP address 13.232.32.199 [Public IP]	VPC ID vpc-0703e5581241a7093					

At the bottom of the page, there are links for CloudShell, Feedback, Language, and footer information including copyright, privacy, terms, and cookie preferences.

It works!

6.)

AWS Services Search [Alt+S] Mumbai Shruthiga

New EC2 Experience Tell us what you think

EC2 Dashboard EC2 Global View Events Tags Limits 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 CloudShell Feedback Language

Amazon Machine Images (AMIs) (1/2) Info

Recycle Bin EC2 Image Builder Actions Launch instance from AMI

Owned by me Find AMI by attribute or tag

Name	AMI ID	AMI name	Source	Owner	Visibility
-	ami-0d29dd1008e958f3a	shruthigalImage	215512906739/shruthigalImage	215512906739	Private
<input checked="" type="checkbox"/>	ami-078a1985fb93d552c	ShruthigaLinuxImage	215512906739/ShruthigaLinuxImage	215512906739	Private

AMI ID: ami-078a1985fb93d552c

Details Permissions Storage Tags

AMI ID ami-078a1985fb93d552c	Image type machine	Platform details Linux/UNIX	Root device type EBS
AMI name ShruthigaLinuxImage	Owner account ID 215512906739	Architecture x86_64	Usage operation RunInstances
Root device name /dev/xvda	Status Pending	Source 215512906739/ShruthigaLinuxImage	Virtualization type hvm
Boot mode uefi-preferred	State reason -	Creation date Sun Apr 16 2023 23:40:34 GMT+0530 (India Standard Time)	Kernel ID -
Block devices /dev/xvda=snap-095be8f52b5aab72a:8:true:gp3	Description -	Product codes -	RAM disk ID -
Deprecation time	Last launched time		

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DAY 3

1.)

The screenshot shows the AWS S3 console interface. At the top, there's a green success message: "Upload succeeded" with a link to "View details below". Below this, the title "Upload: status" is displayed. A note says "The information below will no longer be available after you navigate away from this page." Under the "Summary" section, it shows the destination "s3://shruthibucket1/folder1/" with "Succeeded" status and "1 file, 244.4 KB (100.00%)". The "Failed" section shows "0 files, 0 B (0%)". Below this, there are tabs for "Files and folders" (which is selected) and "Configuration". The "Files and folders" section shows a table with one item: "Screenshot (215).png" (image/png, 244.4 KB, Succeeded). The table has columns for Name, Folder, Type, Size, Status, and Error. At the bottom of the page, there are links for CloudShell, Feedback, Language, and a footer with copyright information and links for Privacy, Terms, and Cookie preferences.

2.)

Screenshot (215).png

Amazon S3 > Buckets > shruthibucket1 > Screenshot (215).png

Properties Permissions Versions

Access control list (ACL)

This bucket has the bucket owner enforced setting applied for Object Ownership

Grant basic read/write permissions to AWS accounts. Learn more

Grantee	Object	Object ACL
Object owner (your AWS account) Canonical ID: 817c36a5f7912e9bd14d533975d6ddc8a38c138b9dabba98786cf221a869879	Read	Read, Write
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	-	-
Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers	-	-

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Amazon S3 > Buckets > shruthibucket1

Buckets Objects Properties Metrics Management Access Points

Permissions overview

Access
Objects can be public

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. Learn more

Edit

Block all public access
Off

Individual Block Public Access settings for this bucket

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. Learn more

Edit Delete

https://s3.console.aws.amazon.com/s3/#

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3.)

The screenshot shows the AWS S3 console with the 'Bucket policy' tab selected. The left sidebar includes links for Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, IAM Access Analyzer for S3, Block Public Access settings for this account, Storage Lens (Dashboards, AWS Organizations settings), Feature spotlight, and AWS Marketplace for S3.

Bucket policy

The bucket policy is defined in JSON:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "DenyReadAccessToFolder",
      "Effect": "Deny",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::shruthibucket1/folder1/*"
    }
  ]
}
```

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.

Bottom navigation bar: CloudShell, Feedback, Language, Edit, © 2023, Amazon Web Services India Private Limited or its affiliates., Privacy, Terms, Cookie preferences.

4.)

The screenshot shows the AWS S3 console interface. At the top, the navigation bar includes the AWS logo, Services, a search bar, and a global dropdown for 'Shruthiga'. Below the navigation, the path is displayed as 'Amazon S3 > Buckets > shruthibucket1 > folder1/ > Screenshot (215).png'. The main content area shows the file 'Screenshot (215).png' with its properties: Type: png, Last modified: April 16, 2023, 23:49:28 (UTC+05:30), Size: 244.4 KB, Storage class: Standard. There is also an 'Info' link. Below the file details, there is a 'Versions' tab which is selected, showing a table with one version entry:

Version ID	Type	Last modified	Size	Storage class
null (Current version)	png	April 16, 2023, 23:49:28 (UTC+05:30)	244.4 KB	Standard

At the bottom of the page, there are links for CloudShell, Feedback, Language, and a footer with copyright information and links for Privacy, Terms, and Cookie preferences.

5.)

The screenshot shows the AWS S3 console interface. On the left, a sidebar menu is open with the following sections: 'Amazon S3' (selected), 'Buckets' (selected), 'Access Points', 'Object Lambda Access Points', 'Multi-Region Access Points', 'Batch Operations', 'IAM Access Analyzer for S3', 'Block Public Access settings for this account', 'Storage Lens' (expanded), 'Dashboards', 'AWS Organizations settings', 'Feature spotlight' (with a blue circular badge), and 'AWS Marketplace for S3'. The main content area displays three configuration sections: 'Object Lock' (disabled), 'Requester pays' (disabled), and 'Static website hosting' (enabled). The 'Static website hosting' section includes a bucket endpoint: <http://shruthibucket1.s3-website.ap-south-1.amazonaws.com>. The footer of the page includes links for CloudShell, Feedback, Language, and a footer with copyright information and links for Privacy, Terms, and Cookie preferences.

6.)

The screenshot shows the AWS S3 Management console for the bucket 'shruthibucket1'. The 'Management' tab is selected. The 'Lifecycle rules' section displays one rule named 'shruthiga' which is Enabled and set to Filtered. The 'Replication rules' section shows no replication rules.

Lifecycle rules (1)

Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. [Learn more](#)

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions	Expired object delete markers	Incomplete multipart uploads
shruthiga	Enabled	Filtered	Transition to Standard-IA	-	-	-

[View lifecycle configuration](#)

Replication rules (0)

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](#)

Replication rule name	Status	Destination bucket	Destination Region	Priority	Scope	Storage class	Replica owner	Replication Time Control	KMS-encrypted objects	Replica modification sync
No replication rules										

You don't have any rules in the replication configuration.

[Create replication rule](#)

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DAY 4

1.)

The screenshot shows the AWS Identity and Access Management (IAM) console. The left sidebar is collapsed. The main area displays the 'User groups' section under 'Access management'. A user group named 'S3-Admins' is selected. The 'Summary' tab is active, showing details like the user group name ('S3-Admins'), creation time ('April 17, 2023, 00:22 (UTC+05:30)'), and ARN ('arn:aws:iam::215512906739:group/S3-Admins'). Below the summary, there are tabs for 'Users', 'Permissions' (which is selected), and 'Access Advisor'. Under 'Permissions policies', there is one policy listed: 'AmazonS3FullAccess' (AWS managed, provides full access to all buckets via the AWS Management Console). Action buttons for 'Edit', 'Delete', 'Simulate', 'Remove', and 'Add permissions' are visible.

2.)

The screenshot shows the AWS Identity and Access Management (IAM) service. On the left, the navigation pane is open, showing 'Identity and Access Management (IAM)' selected under 'Access management'. The main content area displays the 'Summary' tab for the user 'S3Admin1'. Key details shown include:

- ARN:** arn:aws:iam::215512906739:user/S3Admin1
- Console access:** Enabled without MFA
- Created:** April 17, 2023, 00:24 (UTC+05:30)
- Last console sign-in:** Never
- Access key 1:** Not enabled
- Access key 2:** Not enabled

Below the summary, there are tabs for 'Permissions', 'Groups (1)', 'Tags', 'Security credentials', and 'Access Advisor'. The 'Groups (1)' tab is selected, showing the user is a member of the 'S3-Admins' group, which has the policy 'AmazonS3FullAccess' attached.

3.)

The screenshot shows the AWS IAM service. The navigation pane is open, showing 'Identity and Access Management (IAM)' selected under 'Access management'. The main content area displays the 'Summary' tab for the user group 'S3-Admins'. Key details shown include:

- User group name:** S3-Admins
- Creation time:** April 17, 2023, 00:22 (UTC+05:30)
- ARN:** arn:aws:iam::215512906739:group/S3-Admins

Below the summary, there are tabs for 'Users', 'Permissions', and 'Access Advisor'. The 'Permissions' tab is selected, showing the user group has 2 managed policies attached:

Policy name	Type	Description
deleteObj	Customer managed	
AmazonS3FullAccess	AWS managed	Provides full access to all buckets via the Amazon S3 console and API.

4.)

The screenshot shows the AWS IAM User Details page for a user named 'S3Admin1'. A green banner at the top indicates that a permissions boundary named 'AmazonS3FullAccess' has been added. The 'Summary' section displays basic user information: ARN (arn:awsiam:215512906739:user/S3Admin1), Console access (Enabled without MFA), Access key 1 (Not enabled), Created (April 17, 2023, 00:24 UTC+05:30), Last console sign-in (Never), Access key 2 (Not enabled). The 'Permissions' tab is selected, showing three attached policies: 'AmazonS3FullAccess' (AWS managed, Group S3-Admins), 'IAMUserChangePassword' (AWS managed, Directly), and 's3inline' (Customer inline). The 'Permissions boundary (set)' section is collapsed.

Policy name	Type	Attached via
AmazonS3FullAccess	AWS managed	Group S3-Admins
IAMUserChangePassword	AWS managed	Directly
s3inline	Customer inline	Inline

5.)

The screenshot shows the AWS EC2 Instances page. A success message at the top says "Successfully attached s3:role to instance i-0fe8bf082f94bb9d5". The main table lists three instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
ShruthigaWin...	i-0fe8bf082f94bb9d5	Stopped	t2.micro	-	No alarms	ap-south-1a	-
AGS-Shruthiga	i-0fc81cc4b4c17dcca	Stopped	t2.micro	-	No alarms	ap-south-1a	-
ShruthigaLinux	i-04de103ad256bb981	Stopped	t2.micro	-	No alarms	ap-south-1a	-

A modal window titled "Select an instance" is open, listing the same three instances.

6.)

The screenshot shows the AWS S3 Bucket Permissions page for the bucket "shruthibucket1". The "Permissions" tab is selected. A note states: "This bucket has the bucket owner enforced setting applied for Object Ownership. When bucket owner enforced is applied, use bucket policies to control access." The "Grantee" section shows:

Grantee	Object	Object ACL
Object owner (your AWS account) Canonical ID: 817c36a5f7912e9bd14d533975d6ddc8a38c138b9dabba98786cfcc221a869879	Read	Read, Write
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	-	-
Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers	-	-

DAY 5

1.)

The screenshot shows the AWS EC2 Launch Configurations page. At the top, there is a blue banner with a warning about the deprecation of launch configurations. Below the banner, a green success message indicates that a launch configuration has been successfully created. The main table lists one launch configuration:

Name	AMI ID	Instance type	Spot price	Creation time
Shruthi-launch2	ami-0d29dd1008...	t2.micro	-	Mon Apr 17 2023 16:22:18 GMT+0530 (India Standard Time)

At the bottom of the page, there is a note: "Select a launch configuration above". The footer contains standard AWS navigation links.

2.)

AWS Services Search [Alt+S] Mumbai Shruthiga X ⓘ

Shruthi-group1, 1 Scaling policy created successfully

EC2 > Auto Scaling groups

Auto Scaling groups (1) Info

Search your Auto Scaling groups

C Edit Delete Create an Auto Scaling group

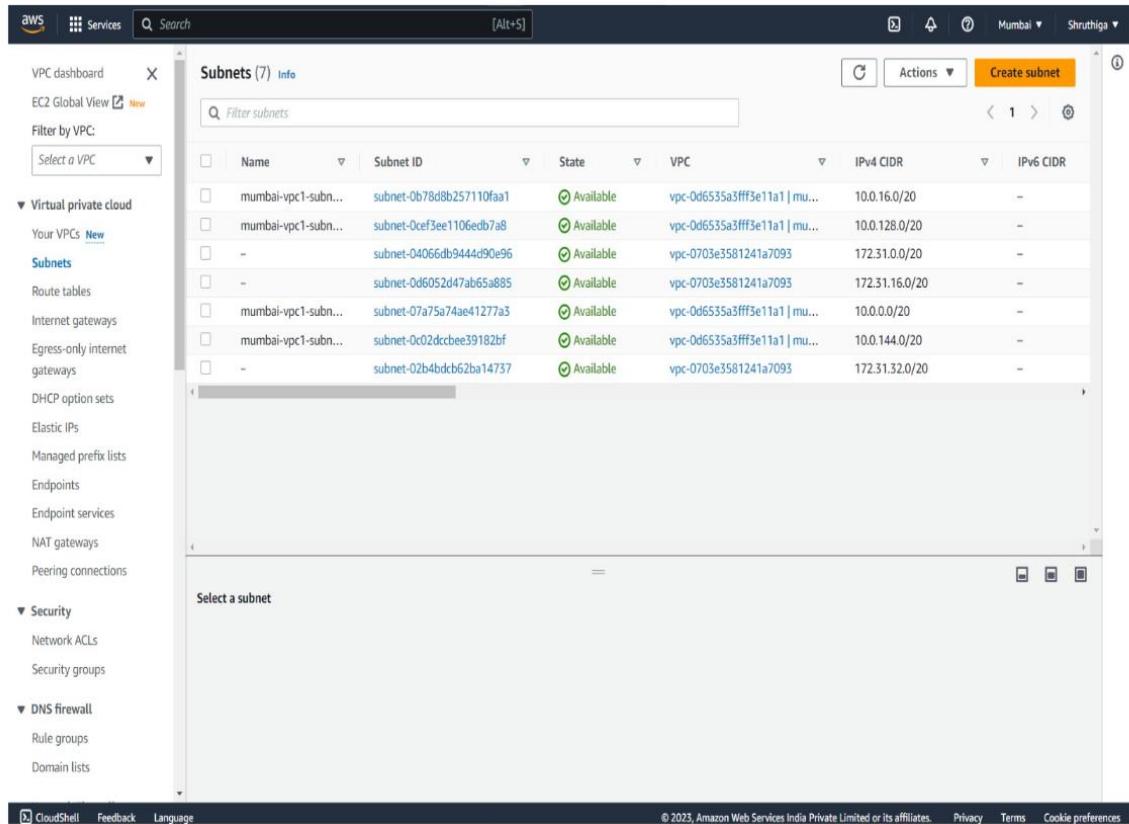
Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Available
Shruthi-group1	shruthiga-launch-template Version Def	0	Updating capacity...	1	1	1	ap-south-1a

0 Auto Scaling groups selected

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DAY 6

1.)



The screenshot shows the AWS VPC Subnets page. On the left, there's a navigation sidebar with sections like 'Virtual private cloud' (Your VPCs, Subnets, Route tables, Internet gateways, Egress-only internet gateways, DHCP option sets, Elastic IPs, Managed prefix lists, Endpoints, Endpoint services, NAT gateways, Peering connections), 'Security' (Network ACLs, Security groups), and 'DNS firewall' (Rule groups, Domain lists). The main content area is titled 'Subnets (7) Info' and contains a table with 7 rows of subnet data. The columns are: Name, Subnet ID, State, VPC, IPv4 CIDR, and IPv6 CIDR. The subnets listed are: 'mumbai-vpc1-subn...', 'mumbai-vpc1-subn...', 'subnet-04066db9444d90e96', 'subnet-0d605247ab65a885', 'mumbai-vpc1-subn...', 'mumbai-vpc1-subn...', and 'subnet-02b4bdcb62ba14737'. All subnets are in an 'Available' state. The VPC column shows IDs starting with 'vpc-'. The IPv4 CIDR columns show ranges like '10.0.16.0/20', '10.0.128.0/20', etc. The IPv6 CIDR columns show '-'.

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
mumbai-vpc1-subn...	subnet-0b78d8b257110faa1	Available	vpc-0d6535a3fff3e11a1 mu...	10.0.16.0/20	-
mumbai-vpc1-subn...	subnet-0cef3ee1106edb7a8	Available	vpc-0d6535a3fff3e11a1 mu...	10.0.128.0/20	-
-	subnet-04066db9444d90e96	Available	vpc-0703e5581241a7093	172.31.0.0/20	-
-	subnet-0d605247ab65a885	Available	vpc-0703e5581241a7093	172.31.16.0/20	-
mumbai-vpc1-subn...	subnet-07a75a74ae41277a3	Available	vpc-0d6535a3fff3e11a1 mu...	10.0.0.0/20	-
mumbai-vpc1-subn...	subnet-0c02dcbee39182bf	Available	vpc-0d6535a3fff3e11a1 mu...	10.0.144.0/20	-
-	subnet-02b4bdcb62ba14737	Available	vpc-0703e5581241a7093	172.31.32.0/20	-

2.)

The screenshot shows the AWS VPC Subnets page. On the left, there's a navigation sidebar with options like VPC dashboard, EC2 Global View, Filter by VPC, Virtual private cloud (Your VPCs, Subnets, Route tables, Internet gateways, Egress-only internet gateways, DHCP option sets, Elastic IPs, Managed prefix lists, Endpoints, Endpoint services, NAT gateways, Peering connections), Security (Network ACLs, Security groups), and DNS firewall (Rule groups, Domain lists). The main area is titled "Subnets (3) Info". It has a search bar and a "Create subnet" button. There are three subnets listed:

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
mumbai-vpc1-subn...	subnet-0cef3ee1106edb7a8	Available	vpc-0d6535a3fff3e11a1 mu...	10.0.128.0/20	-
mumbai-vpc1-subn...	subnet-07a75a74ae41277a3	Available	vpc-0d6535a3fff3e11a1 mu...	10.0.0.0/20	-
mumbai-vpc1-subn...	subnet-0c02dcbee39182bf	Available	vpc-0d6535a3fff3e11a1 mu...	10.0.144.0/20	-

At the bottom, there's a "Select a subnet" section and footer links for CloudShell, Feedback, Language, Privacy, Terms, and Cookie preferences.

3.)

The screenshot shows the "Create NAT gateway" wizard. The top navigation bar includes "VPC > NAT gateways > Create NAT gateway". The main section is titled "Create NAT gateway" with an "Info" link. It contains the following fields:

- NAT gateway settings**
 - Name - optional**: natgateway-1
 - Subnet**: subnet-0cef3ee1106edb7a8 (mumbai-vpc1-subnet-private1-ap-south-1a)
 - Connectivity type**: Public (radio button selected)
 - Elastic IP allocation ID**: Select on Elastic IP (dropdown menu)
 - Additional settings** (link)
- Tags**: A note explaining tags and a "Create tag" button.

At the bottom, there are footer links for CloudShell, Feedback, Language, Privacy, Terms, and Cookie preferences.

4.)

The screenshot shows the AWS VPC Peering Connections page. On the left, there's a navigation sidebar with options like VPC dashboard, EC2 Global View, Filter by VPC, Virtual private cloud, Your VPCs, Subnets, Route tables, Internet gateways, Egress-only internet gateways, DHCP option sets, Elastic IPs, Managed prefix lists, Endpoints, Endpoint services, NAT gateways, Peering connections, Security, Network ACLs, Security groups, DNS firewall, Rule groups, and Domain lists. The 'Peering connections' section is selected. The main content area displays a table titled 'Peering connections (1/1)'. The table has columns: Name, Peering connection ID, Status, Requester VPC, Acceptor VPC, and Requester CIDR. One row is shown: 'mumbai-frank...', 'pcx-005bcef1f399596f4', 'Active', 'vpc-0d6535a3fff3e1a1 / mu...', 'vpc-0e46dd502259db0df', '10.0.0.0/16'. Below the table, a details panel for 'pcx-005bcef1f399596f4 / mumbai-frankfurt-pc2' is expanded, showing tabs for Details, DNS, Route tables, and Tags. The 'Details' tab contains fields for Requester owner ID (215512906739), Acceptor owner ID (215512906739), Peering connection ID (pcx-005bcef1f399596f4), Requester VPC (vpc-0d6535a3fff3e1a1 / mumbai-vpc1-vpc), Requester CIDRs (10.0.0.0/16), Requester Region (Mumbai (ap-south-1)), Acceptor VPC (vpc-0e46dd502259db0df), Acceptor CIDRs (172.0.0.0/16), and Acceptor Region (Frankfurt (eu-central-1)).

5.)

AWS Services Search [Alt+S] N. Virginia Shruthiga ⓘ

VPC dashboard EC2 Global View New

Filter by VPC: Select a VPC

Virtual private cloud

- Your VPCs New
- Subnets
- Route tables
- Internet gateways
- Egress-only internet gateways
- Carrier gateways
- DHCP option sets
- Elastic IPs
- Managed prefix lists
- Endpoints
- Endpoint services
- NAT gateways
- Peering connections

Security

- Network ACLs
- Security groups

DNS firewall

- Rule groups
- Domain lists

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A VPC peering connection pcx-0ae0cffd0d658e499 / nvirginia-mumbai-vpc has been requested.
Remember to change your region to ap-south-1 to accept the peering connection.

Peering connections (1) Info

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDR
nvirginia-mum...	pcx-0ae0cffd0d658e499	Active	vpc-077c391e311d830b9 / pr...	vpc-0d6535a3fff3e11a1	192.0.0.0/16

Select a peering connection above

Create peering connection

AWS Services Search [Alt+S] Mumbai Shruthiga ⓘ

EC2 Global View New

Filter by VPC: Select a VPC

Virtual private cloud

- Your VPCs New
- Subnets
- Route tables
- Internet gateways
- Egress-only internet gateways
- DHCP option sets
- Elastic IPs
- Managed prefix lists
- Endpoints
- Endpoint services
- NAT gateways
- Peering connections

Security

- Network ACLs
- Security groups

DNS firewall

- Rule groups
- Domain lists

Network Firewall

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Peering connections (2) Info

Name	Peering connection ID	Status	Requester VPC	Acceptor VPC	Requester CIDR
mumbai-frank...	pcx-005bcef1f399596f4	Active	vpc-0d6535a3fff3e11a1 / mu...	vpc-0e46dd502259db0df	10.0.0.0/16
mumbai-nvirgi...	pcx-0ae0cffd0d658e499	Active	vpc-077c391e311d830b9	vpc-0d6535a3fff3e11a1 / mu...	192.0.0.0/16

Select a peering connection above

Create peering connection

Screenshot of the AWS VPC dashboard showing the list of VPCs and the details of the selected VPC.

Left Sidebar:

- VPC dashboard
- EC2 Global View [New]
- Filter by VPC: Select a VPC
- Virtual private cloud
 - Your VPCs New
 - Subnets
 - Route tables
 - Internet gateways
 - Egress-only internet gateways
 - Carrier gateways
 - DHCP option sets
 - Elastic IPs
 - Managed prefix lists
 - Endpoints
 - Endpoint services
 - NAT gateways
 - Peering connections
- Security
 - Network ACLs
 - Security groups
- DNS firewall
 - Rule groups
 - Domain lists

Main Content Area:

Your VPCs (1/3) Info

Press F11 to exit full screen

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
project-vpc	vpc-0e48ea0d10552da2b	Available	172.0.0.0/16	-
project-vpc-frankfurt-vpc	vpc-0e46dd502259db0df	Available	172.0.0.0/16	-
unc_04c7a84f777ra472	unc_04c7a84f777ra472	Available	172.31.0.0/16	-

Selected VPC Details: project-vpc-frankfurt-vpc

Details Tab:

Attribute	Value	Attribute	Value
VPC ID	vpc-0e46dd502259db0df	State	Available
Tenancy	Default	DHCP option set	dopt-0e95595599ba256ae
Default VPC	No	IPv4 CIDR	172.0.0.0/16
Network Address Usage metrics	Disabled	Route 53 Resolver DNS Firewall rule groups	-
		Owner ID	215512906739

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6.)

You have successfully updated inbound rules for acl-0f90a4335c18f34d6

Network ACLs (1/3) Info

Name	Network ACL ID	Associated with	Default	VPC ID
-	acl-0486c6f1ddb089f10	-	Yes	vpc-0383629c758227cd0 / vpc-1
-	acl-00d102cee22035708	3 Subnets	Yes	vpc-0703e3581241a7093
<input checked="" type="checkbox"/>	acl-0f90a4335c18f34d6	4 Subnets	Yes	vpc-0d6535a3fff3e11a1 / mumbai-vp...

Inbound rules (4)

Rule number	Type	Protocol	Port range	Source	Allow/Deny
98	SSH (22)	TCP (6)	22	0.0.0.0/0	Deny
99	RDP (3389)	TCP (6)	3389	0.0.0.0/0	Deny
100	All traffic	All	All	0.0.0.0/0	Allow

DAY 7

1.)

2.)

Load balancers (1/1)
Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

Name	DNS name	State	VPC ID	Availability Zones	Type	Date created
LabELB	LabELB-386425067.ap-sou...	Active	vpc-0d6535a3fff3e11a1	2 Availability Zones	application	April 20, 2023, 22:51 (UTC+05:30)

Load balancer: LabELB

Details | Listeners | Network mapping | Security | Monitoring | Integrations | Attributes | Tags

Details

Load balancer type Application	DNS name LabELB-386425067.ap-south-1.elb.amazonaws.com (A Record)	Status Active	VPC vpc-0d6535a3fff3e11a1
IP address type	Scheme	Availability Zones	Hosted zone

DAY 10

1.)

The screenshot shows the AWS EC2 Instances page. The instance summary for 'i-0395d9da7930177ba (Shruthiga-Linux-2)' is displayed. Key details include:

- Instance ID: i-0395d9da7930177ba (Shruthiga-Linux-2)
- Public IPv4 address: 43.204.19.70 [open address]
- Instance state: Running
- Private IPv4 address: 172.31.40.45
- Private IP DNS name (IPv4 only): ip-172-31-40-45.ap-south-1.compute.internal
- Instance type: t2.micro
- VPC ID: vpc-0703e3581241a7093 [open]
- Subnet ID: subnet-02b4bdcb62ba14737 [open]
- Auto Scaling Group name: -

The left sidebar shows navigation options like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Images, and Elastic Block Store.

The screenshot shows the AWS ECS Clusters page. A success message at the top states "Cluster LabCluster has been created successfully." The clusters table displays one cluster:

Cluster	Services	Tasks	Registered container instances	CloudWatch monitoring	Capacity provider strategy
LabCluster	0	No tasks running	0	Default	No default found

The left sidebar includes links for Clusters, Namespaces, Task definitions, Account settings, Amazon ECR, Amazon Batch, Documentation, Discover products, and Subscriptions.