

CC2

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Q1.

**Create an EC2 Instance in the us-east-1 region with the following requirements.**

Give the Name tag of both EC2 instance & keypair as "ec2usecase1"(Name).

**(4 Marks)**

EC2 instance AMI should be "Amazon Linux 2".

**(4 Marks)**

Allow SSH traffic for taking putty remote connection.

**(4 Marks)**

Allow HTTP traffic from the internet for reaching website requests.

**(4 Marks)**

## 1.1

The screenshot shows the AWS Management Console for the 'us-east-1' region. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Limits, and a dropdown for 'Instances' which includes Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, and Capacity Reservations. The main panel displays the 'Instances (1)' page with a search bar and a table of instances. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability Zone. One instance, 'ec2usecase1' with ID 'i-09a4a7b772d8642a2', is shown in a 'Running' state. Below the table, a 'Select an instance' modal is open.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
ec2usecase1	i-09a4a7b772d8642a2	Running	t2.micro	Initializing	No alarms	us-east-1b

This screenshot shows the detailed view of the EC2 instance 'ec2usecase1' (ID: i-09a4a7b772d8642a2). The instance is in a 'Running' state. The interface includes a sidebar with navigation options and a main content area with tabs for Details, Security, Networking, Storage, Status checks, Monitoring, and Tags. The 'Details' tab is selected, showing the 'Instance summary' with the following information:

Instance ID	Public IPv4 address	Private IPv4 addresses
i-09a4a7b772d8642a2 (ec2usecase1)	107.23.133.33   <a href="#">open address</a>	172.31.17.25

Additional details shown include the Instance state (Running), IPv6 address (none), and Public IPv4 DNS (ec2-107-23-133-33.compute-1.amazonaws.com | [open address](#)).

## 1.2

The screenshot shows the AWS Management Console for the us-east-1 region. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Limits, and Instances. The main content area displays the details for the EC2 instance **i-09a4a7b772d8642a2 (ec2usecase1)**. The instance is in the **Running** state. The details are organized into three columns:

Platform	AMI ID	Monitoring
Amazon Linux (Inferred)	ami-02396cdd13e9a1257	disabled

Platform details	AMI name	Termination protection
Linux/UNIX	al2023-ami-2023.0.20230419.0-kernel-6.1-x86_64	Disabled

Stop protection	Launch time	AMI location
Disabled	Wed May 03 2023 15:16:51 GMT+0530 (India Standard Time) (6 minutes)	amazon/al2023-ami-2023.0.20230419.0-kernel-6.1-x86_64

The bottom of the console shows the AWS logo, a search bar, and a footer with copyright information for Amazon Web Services India Private Limited.

## 1.3

The screenshot shows the AWS Management Console for the us-east-1 region, displaying the **Inbound rules** for the EC2 instance **i-09a4a7b772d8642a2 (ec2usecase1)**. The instance is in the **Running** state. The console shows a table of inbound rules with the following columns: Name, Security group rule ID, Port range, Protocol, and Source.

Name	Security group rule ID	Port range	Protocol	Source
-	sgr-043c14bd623a7abad	22	TCP	0.0.0.0/0
-	sgr-051eaf542fd79a7d5	80	TCP	0.0.0.0/0

The bottom of the console shows the AWS logo, a search bar, and a footer with copyright information for Amazon Web Services India Private Limited.



2.

Create an IAM group called 'Network-L1-Team' with 'AmazonVPCReadOnlyAccess' and 'AWSNetworkManagerReadOnlyAccess' policies, then add an IAM user called 'Network-L1-User1' to the group.

The name of the IAM group should be 'Network-L1-Team'.

(4 Marks)

The name of the IAM user should be 'Network-L1-User1'.

(4 Marks)

The 'AmazonVPCReadOnlyAccess' policy should be attached.

(4 Marks)

The 'AWSNetworkManagerReadOnlyAccess' policy should be attached.

(5 Marks)

2.1

The screenshot shows the AWS IAM console interface. At the top, a green banner indicates 'Network-L1-Team user group created.' with a 'View group' button. The left sidebar shows the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, Access reports, and Account settings. The main content area displays 'User groups (2)' with a table listing the groups:

	Group name	Users	Permissions	Creation time
<input type="checkbox"/>	Network-L1-Team	↗ Loading	↗ Loading	Now
<input type="checkbox"/>	S3-Admins	↗ Loading	↗ Loading	7 days ago

At the bottom of the console, there is a Windows taskbar with the search bar and system tray showing the date as 03-05-2023 and time as 15:47.

## 2.2

The screenshot shows the AWS IAM console interface. The left sidebar contains the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, Access reports, and Credential report. The main content area is titled 'Network-L1-Team' and shows the 'Users' tab. The summary section displays the user group name 'Network-L1-Team', creation time 'May 03, 2023, 15:46 (UTC+05:30)', and ARN 'arn:aws:iam::644836943054:group/Network-L1-Team'. Below the summary, the 'Users in this group (1)' section shows a table with one user: 'Network-L1-user1', created 12 minutes ago. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 15:48 on 03-05-2023.

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analizers

Settings

Credential report

Network-L1-Team

Summary

User group name: Network-L1-Team

Creation time: May 03, 2023, 15:46 (UTC+05:30)

ARN: arn:aws:iam::644836943054:group/Network-L1-Team

Users

Permissions

Access Advisor

Users in this group (1)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

Search

User name	Groups	Last activity	Creation time
Network-L1-user1	1	None	12 minutes ago

Activate Windows

Go to Settings to activate Windows.

15:48

03-05-2023

## 2.3

The screenshot shows the AWS IAM console interface, similar to the previous one, but with the 'Permissions' tab selected. The summary section remains the same. The 'Permissions policies (2)' section shows a table with two policies: 'AmazonVPCReadOnlyAccess' and 'AWSNetworkManagerReadOnlyAcc...', both AWS managed. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 15:48 on 03-05-2023.

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

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Roles

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Credential report

Network-L1-Team

Summary

User group name: Network-L1-Team

Creation time: May 03, 2023, 15:46 (UTC+05:30)

ARN: arn:aws:iam::644836943054:group/Network-L1-Team

Users

Permissions

Access Advisor

Permissions policies (2)

You can attach up to 10 managed policies.

Filter policies by property or policy name and press enter.

Policy name	Type	Description
AmazonVPCReadOnlyAccess	AWS managed	Provides read only access to Amazon VPC via the AWS M...
AWSNetworkManagerReadOnlyAcc...	AWS managed	Provides read only access to Amazon NetworkManager vi...

Activate Windows

Go to Settings to activate Windows.

15:48

03-05-2023

2.4

The screenshot displays the AWS IAM console interface. The main content area shows the details for the 'Network-L1-Team' group, including its summary and permissions. The 'Permissions' tab is active, listing two attached policies: 'AmazonVPCReadOnlyAccess' and 'AWSNetworkManagerReadOnlyAccess'. The left sidebar provides navigation options for IAM, and the top bar shows the AWS logo and search functionality. The bottom taskbar indicates the system is running Windows with the date 03-05-2023.

3.

Q3.

**Create a S3 bucket for the following requirements**

Create a new S3 bucket in the region of "Stockholm".

**(4 Marks)**

Make the bucket accessible to everyone(publicly) via Bucket ACL.

**(4 Marks)**

Upload a text file in the name of 'accounts.txt'.

**(5 Marks)**

Make the object 'accounts.txt' file accessible to everyone(publicly).

**(4 Marks)**

### 3.1

The screenshot shows the AWS S3 console interface. The left sidebar contains navigation options like Buckets, Access Points, and Storage Lens. The main content area is titled 'haribalacc1' and shows the 'Objects' tab. A table lists the objects in the bucket:

Name	Type	Last modified	Size	Storage class
accounts.txt	txt	May 3, 2023, 16:03:59 (UTC+05:30)	6.0 B	Standard

The screenshot shows the AWS S3 console interface with the 'Properties' tab selected for the 'haribalacc1' bucket. The 'Bucket overview' section displays the following information:

Property	Value
AWS Region	EU (Stockholm) eu-north-1
Amazon Resource Name (ARN)	arn:aws:s3:::haribalacc1
Creation date	May 3, 2023, 16:00:58 (UTC+05:30)

The 'Bucket Versioning' section shows that versioning is disabled. Below this, there is a warning about Multi-factor authentication (MFA) delete.



### 3.2

The screenshot shows the AWS S3 console interface. The left sidebar contains the 'Amazon S3' menu with options like Buckets, Access Points, and Storage Lens. The main content area is for the bucket 'haribalacc1', specifically the 'Permissions' tab. Under 'Permissions overview', it states 'Access: Objects can be public'. Below this, the 'Block public access (bucket settings)' section is visible, showing 'Block all public access' is currently 'Off'. A table below this section lists individual block public access settings for the bucket.

Block public access
Block all public access

Activate Windows  
Go to Settings to activate Windows.

### 3.3

The screenshot shows the AWS S3 console interface, now displaying the 'Objects' tab for the bucket 'haribalacc1'. The 'Objects (1)' section shows a list of objects. A table lists the object 'accounts.txt' with its type, last modified date, size, and storage class.

Name	Type	Last modified	Size	Storage class
accounts.txt	txt	May 3, 2023, 16:03:59 (UTC+05:30)	6.0 B	Standard

Activate Windows  
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### 3.4

The screenshot displays the AWS S3 console interface. At the top, a green notification bar states: "Successfully edited access control list for object 'accounts.txt'". The breadcrumb navigation shows the path: Amazon S3 > Buckets > haribalacc1 > accounts.txt. The object name "accounts.txt" is prominently displayed with an "Info" link. Action buttons include "Copy S3 URI", "Download", "Open", and "Object actions". Below these are tabs for "Properties", "Permissions", and "Versions". The "Object overview" section is divided into two columns. The left column lists: Owner (b4f9bf41cfef07356f9cec6c5c8a8134c7326140c7c9934aed6a49b1dd8c8db), AWS Region (EU (Stockholm) eu-north-1), Last modified (May 3, 2023, 16:03:59 (UTC+05:30)), Size (6.0 B), and Type. The right column lists: S3 URI (s3://haribalacc1/accounts.txt), Amazon Resource Name (ARN) (arn:aws:s3:::haribalacc1/accounts.txt), Entity tag (Etag) (2a3e22fe1337418ee0cacfa6d21573aa), and Object URL (https://haribalacc1.s3.eu-north-1.amazonaws.com/accounts.txt). The Windows taskbar at the bottom shows the search bar, task view, and several application icons. A watermark "Activate Windows. Go to Settings to activate Windows." is visible in the bottom right corner.

MSN India | Breaking News, (1) WhatsApp, 13.208.82.56, SKCET, haribalacc1 - S3 bucket, s3.console.aws.amazon.com/s3/object/haribalacc1?region=eu-north-1&prefix=accounts.txt

aws Services Search [Alt+S] Global Harish\_3569

Successfully edited access control list for object "accounts.txt".

Amazon S3 > Buckets > haribalacc1 > accounts.txt

accounts.txt Info

Copy S3 URI Download Open Object actions

Properties Permissions Versions

Object overview

Owner	S3 URI
b4f9bf41cfef07356f9cec6c5c8a8134c7326140c7c9934aed6a49b1dd8c8db	s3://haribalacc1/accounts.txt
AWS Region	Amazon Resource Name (ARN)
EU (Stockholm) eu-north-1	arn:aws:s3:::haribalacc1/accounts.txt
Last modified	Entity tag (Etag)
May 3, 2023, 16:03:59 (UTC+05:30)	2a3e22fe1337418ee0cacfa6d21573aa
Size	Object URL
6.0 B	https://haribalacc1.s3.eu-north-1.amazonaws.com/accounts.txt
Type	

Type here to search

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haribalacc1.s3.eu-north-1.amazonaws.com/accounts.txt

Type here to search

Activate Windows  
Go to Settings to activate Windows.