

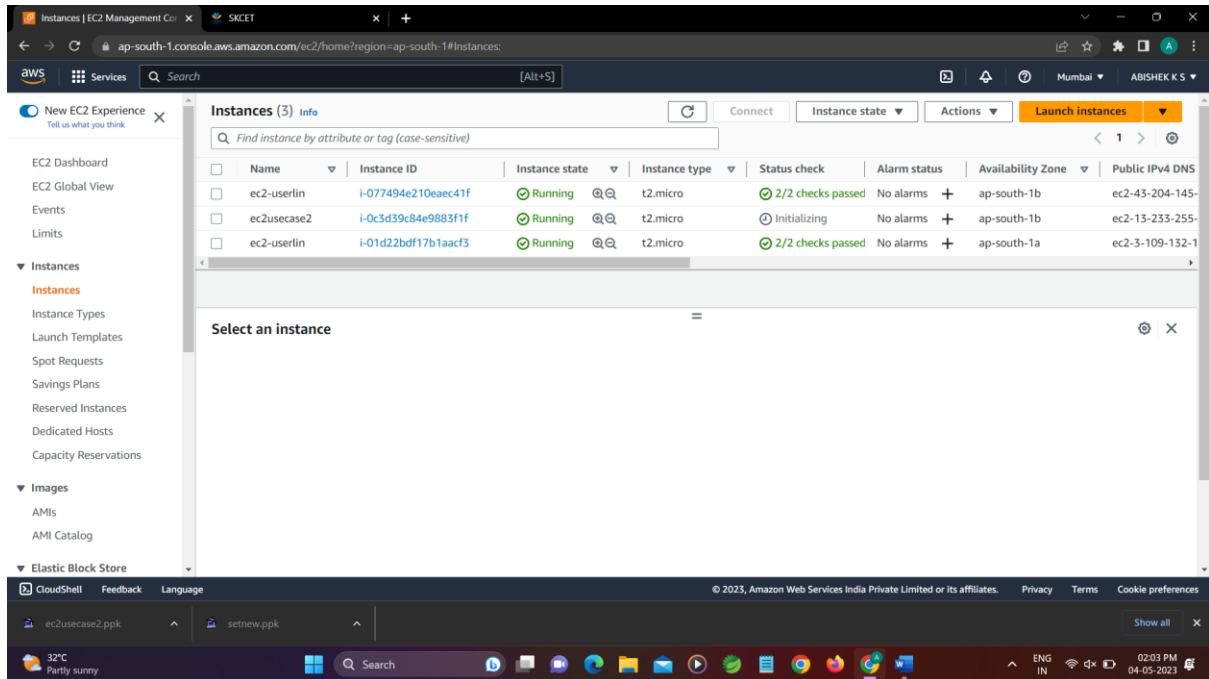
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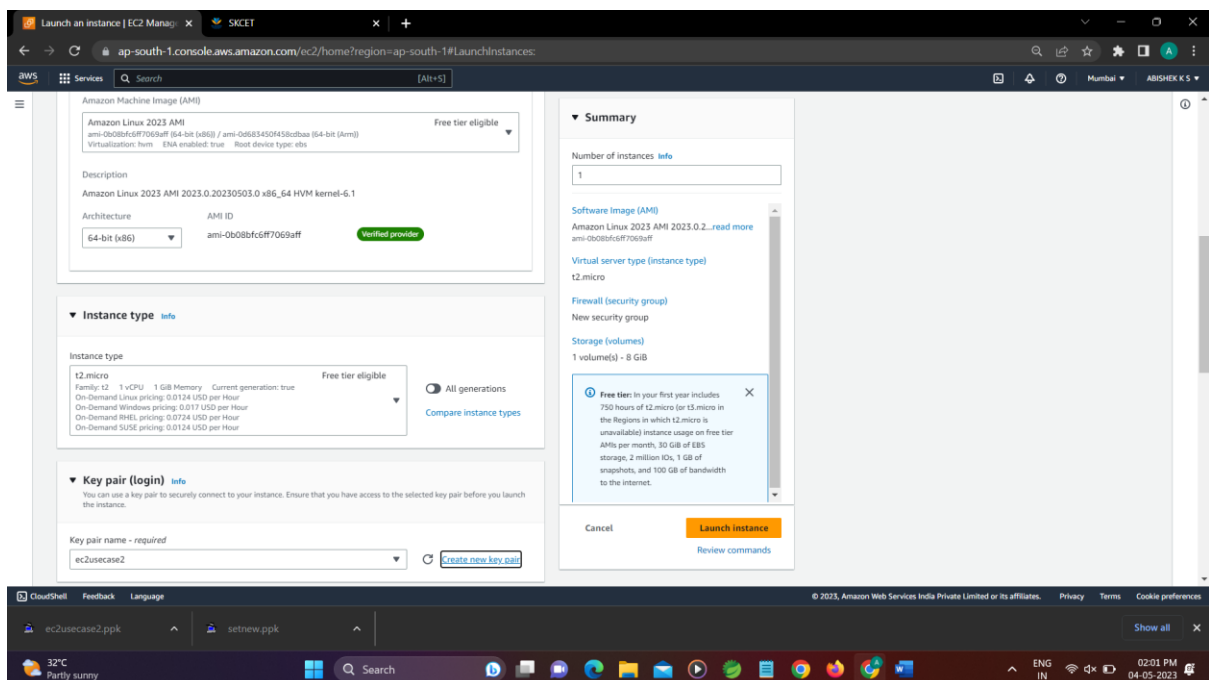
AWS CLOUD COMPUTING-CA1

QN-1:

i)



ii)



iii)

The screenshot displays the AWS Management Console for an EC2 instance named 'ec2usecase2'. The instance is in the 'Running' state. The left sidebar shows the navigation menu with categories like EC2 Dashboard, Instances, Images, Elastic Block Store, and Network & Security. The main content area shows the 'Instance summary' for 'i-0c3d39c84e9883f1f (ec2usecase2)'. Key details include: Instance ID, Public IPv4 address (13.233.255.104), Private IP address, Hostname type, IP name, Answer private resource DNS name, Auto-assigned IP address, IAM Role, IMDSv2 (Required), VPC ID, Subnet ID, Private IP DNS name, Instance type (t2.micro), and Elastic IP addresses. Below the summary, the 'Storage' tab is selected, showing 'Root device details' and 'Block devices'. The 'Block devices' table lists a single device: 'vol-0fde463481e9bc60c' attached to '/dev/xvda' with a volume size of 10 GiB, attached status of 'Attached', and attachment time of 2023/05/04 14:02 GMT+5:30. The bottom of the screen shows a Windows taskbar with a weather widget indicating 32°C and 'Partly sunny'.

iv)

The screenshot displays the AWS Management Console for the same EC2 instance 'ec2usecase2', but with the 'Security' tab selected. The 'Instance summary' section shows the same basic details as in the previous screenshot. The 'Security' tab displays 'Security details' including the IAM Role, Security groups (sg-0dc4e09e7fadae49f), Inbound rules, Owner ID (803449663578), and Launch time (Thu May 04 2023 14:02:17 GMT+0530 (India Standard Time)). The 'Inbound rules' table shows a single rule with Name, Security group rule ID (sgr-0c36ddc8d8fc3b9b0), Port range (22), Protocol (TCP), Source (0.0.0.0/0), and Security groups (launch-wizard-3). The bottom of the screen shows the same Windows taskbar with a weather widget indicating 32°C and 'Partly sunny'.

QN2:

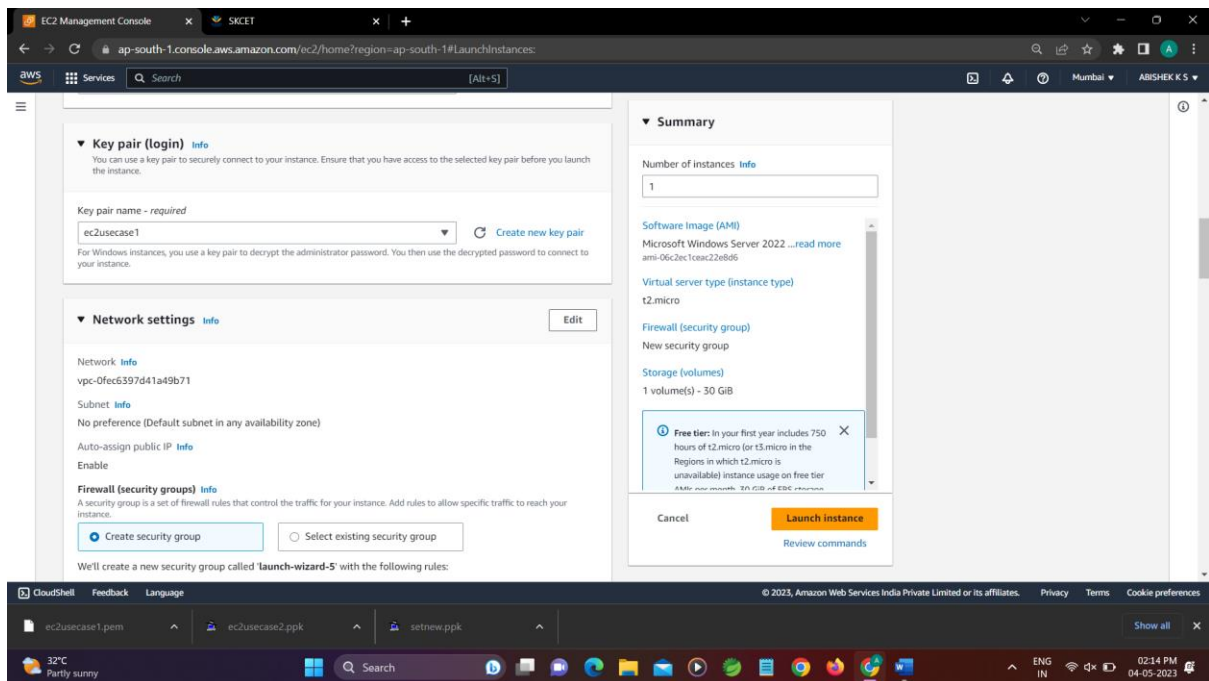
i)

The screenshot shows the AWS Management Console for the EC2 service. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Limits, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, and AMIs. The main content area displays the 'Instances (4) Info' page. A table lists the instances with columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability Zone. The instances are: ec2-userlin (Running, t2.micro, 2/2 checks passed, No alarms, ap-south-1b), ec2usecase2 (Running, t2.micro, 2/2 checks passed, No alarms, ap-south-1b), ec2-userlin (Running, t2.micro, 2/2 checks passed, No alarms, ap-south-1a), and ec2usecase1 (Pending, t2.micro, -, No alarms, ap-south-1b). Below the table is a 'Select an instance' modal. The bottom of the console shows the CloudShell interface with a terminal window displaying the command 'setnew.ppk' and the system tray showing the date and time as 02:08 PM on 04-05-2023.

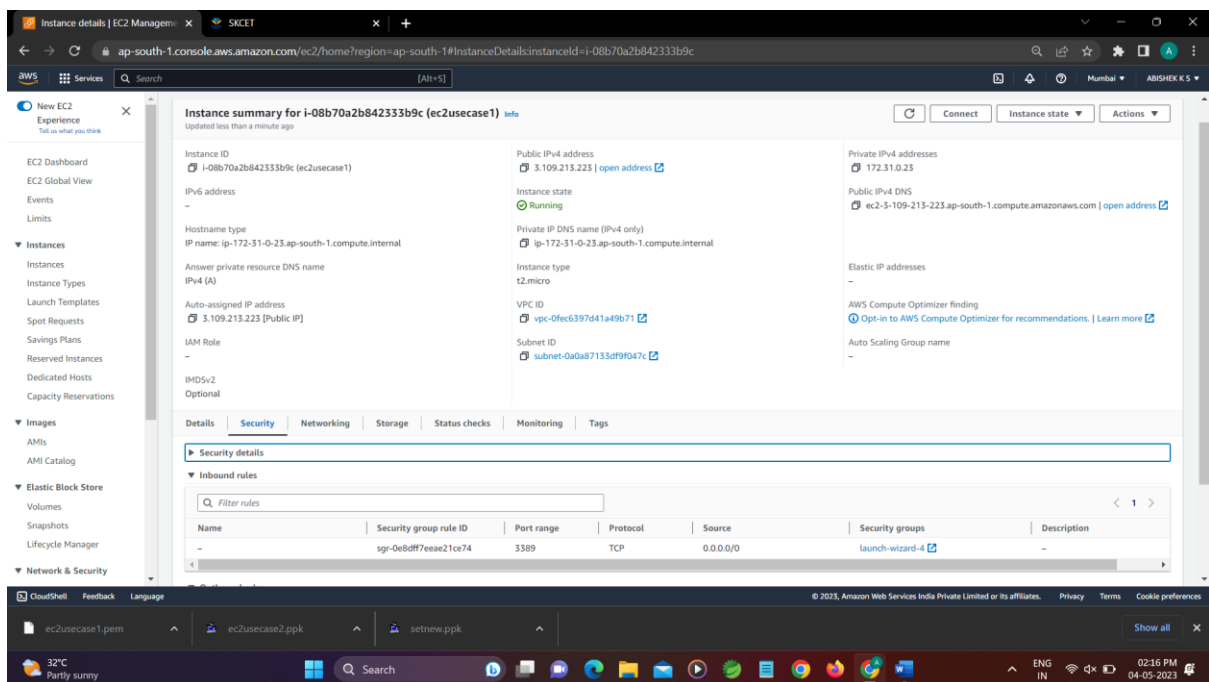
ii)

The screenshot shows the AWS Management Console for the EC2 service, specifically the 'Launch Instance' wizard. The left sidebar contains navigation links for Amazon Machine Image (AMI), Instance type, and Key pair (login). The main content area displays the 'Launch Instance' wizard. The 'Summary' section shows the number of instances as 1, the software image as Microsoft Windows Server 2022, the virtual server type as t2.micro, the firewall as New security group, and the storage as 1 volume(s) - 30 GiB. The 'Free tier' section indicates that the instance is eligible for the free tier. The 'Key pair (login)' section shows the key pair name as ec2usecase1. The bottom of the console shows the CloudShell interface with a terminal window displaying the command 'setnew.ppk' and the system tray showing the date and time as 02:11 PM on 04-05-2023.

iii)



iv)



QN3:

i)

The screenshot shows the AWS IAM Management Console interface. A green notification banner at the top states "EC2-Admins user group created." The left sidebar contains the "Identity and Access Management (IAM)" menu. The main content area is titled "User groups (1) info" and displays a table with the following data:

Group name	Users	Permissions	Creation time
EC2-Admins	0	Defined	Now

ii)

The screenshot shows the AWS IAM Management Console interface. A green notification banner at the top states "User created successfully". The left sidebar contains the "Identity and Access Management (IAM)" menu. The main content area is titled "Users (1) info" and displays a table with the following data:

User name	Groups	Last activity	MFA	Password age	Active key age
EC2Admin1	None	Never	None	None	-

iii)

The screenshot shows the AWS IAM Management Console for the user group 'EC2-Admins'. The left sidebar contains the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, User groups, Users, Roles, Policies, Identity providers, Account settings, Access reports, Access analyzer, Archive rules, Analyzers, Settings, and Credential report. The main content area shows the 'EC2-Admins' user group details under the 'Permissions' tab. The 'Summary' section displays the user group name 'EC2-Admins', creation time 'May 04, 2023, 14:19 (UTC+05:30)', and ARN 'arn:aws:iam:803449663578:group/EC2-Admins'. Below this, the 'Permissions policies (2)' section shows a list of attached policies: 'AmazonEC2FullAccess' and 'AutoScalingFullAccess', both of type 'AWS managed'. The bottom of the console shows the Windows taskbar with the date '02:20 PM 04-05-2023'.

Policy name	Type	Description
AmazonEC2FullAccess	AWS managed	Provides full access to Amazon EC2 via the AWS Management Console.
AutoScalingFullAccess	AWS managed	Provides full access to Auto Scaling.

iv)

This screenshot is identical to the one above, showing the AWS IAM Management Console for the 'EC2-Admins' user group. It displays the 'Permissions' tab with a summary of the user group and a list of two attached AWS managed policies: 'AmazonEC2FullAccess' and 'AutoScalingFullAccess'. The interface includes the same sidebar, main content area, and Windows taskbar at the bottom.

Policy name	Type	Description
AmazonEC2FullAccess	AWS managed	Provides full access to Amazon EC2 via the AWS Management Console.
AutoScalingFullAccess	AWS managed	Provides full access to Auto Scaling.