**Course:** SBL: Cloud Computing
**Course code:** CSL605
**Year:** TE SEM: VI

| Experiment No. 02 |
|---|
| AIM:- To study and Implement Infrastructure as a Service using AWS EC2 by creating a Windows Virtual Machine through RDP protocol and change volume of attached storage. |
| Name: |
| Roll Number: |
| Date of Performance: |
| Date of Submission: |

## Evaluation

| Performance Indicator | Max. Marks | Marks Obtained |
|---|---|---|
| Performance | 5 | |
| Understanding | 5 | |
| Journal work and timely submission. | 10 | |
| **Total** | **20** | |

| Performance Indicator | Exceed Expectations (EE) | Meet Expectations (ME) | Below Expectations (BE) |
|---|---|---|---|
| Performance | 5 | 3 | 2 |
| Understanding | 5 | 3 | 2 |
| Journal work and timely submission. | 10 | 8 | 4 |

**Checked by**

**Name of Faculty** : **Ichhanshu Jaiswal**

**Signature** :

**Date** :

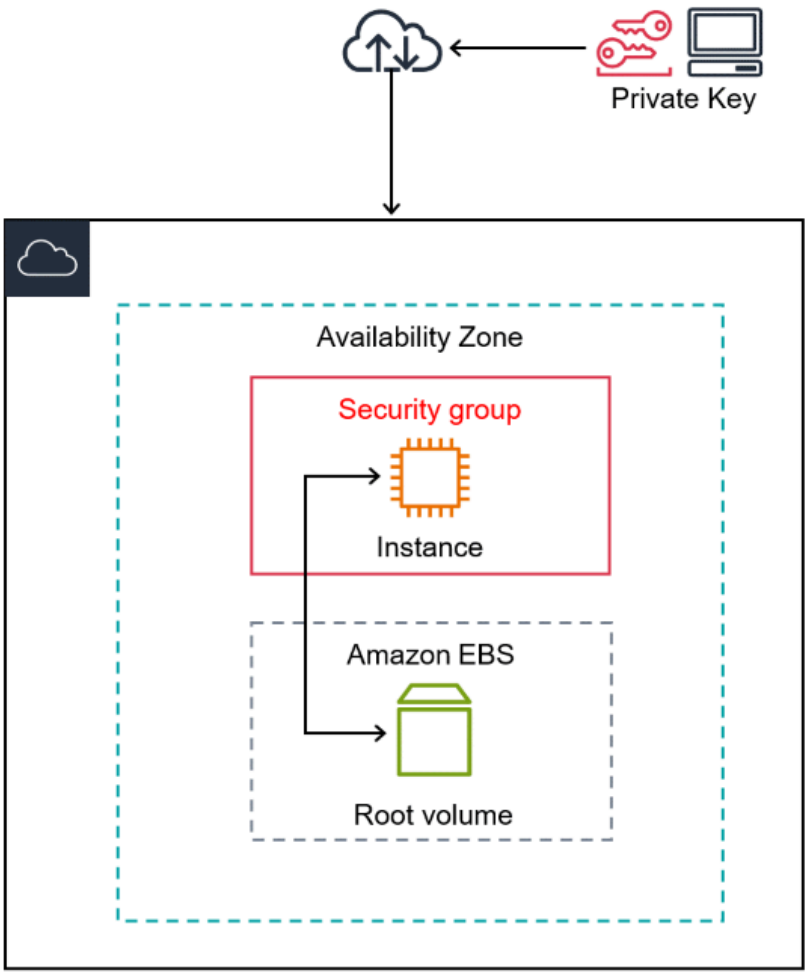
**Experiment No. 2**

**Aim:** To study and Implement Infrastructure as a Service using AWS EC2 by creating a Windows Virtual Machine through RDP protocol and change volume of attached storage.

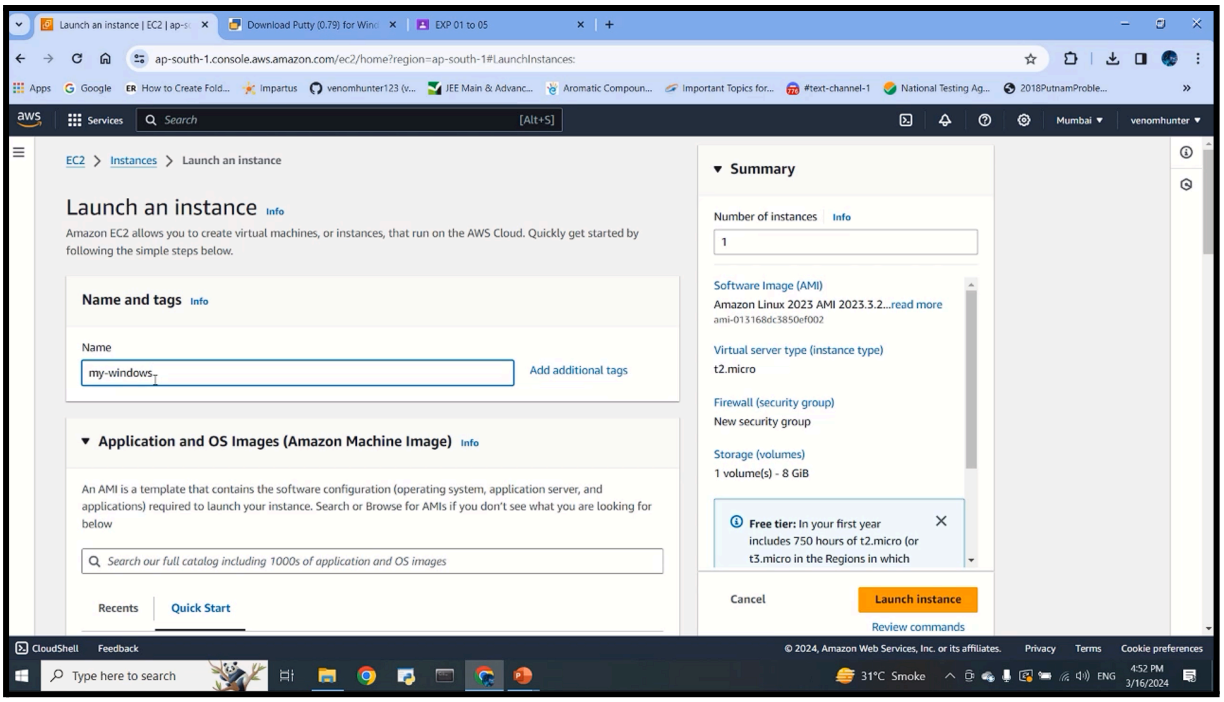
**Theory**:

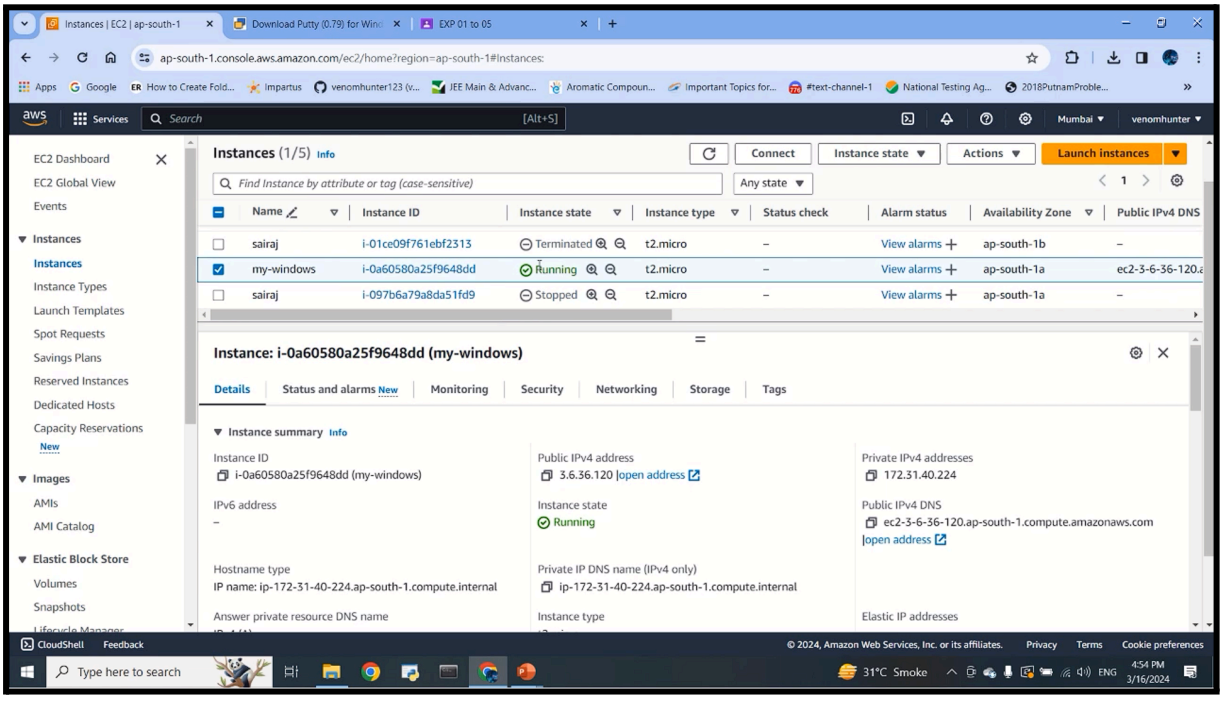
An *instance* is a virtual server in the AWS Cloud. With Amazon EC2, you can set up and configure the operating system and applications that run on your instance.

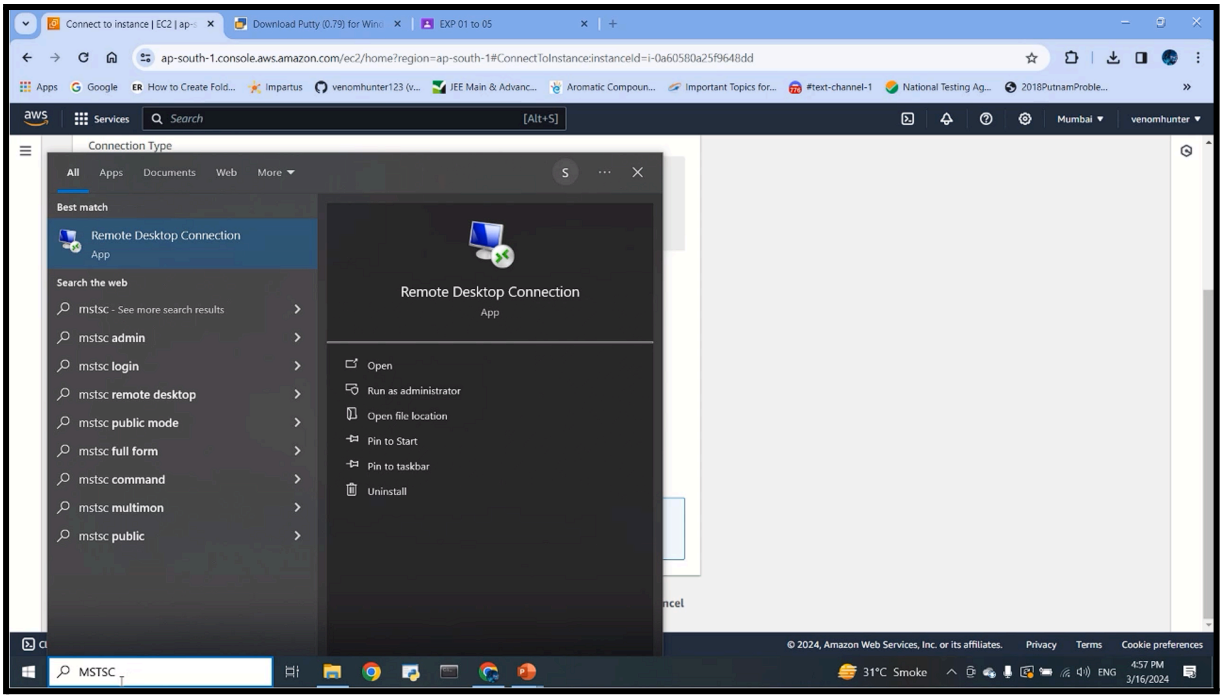
When you launch your instance, you secure it by specifying a key pair (to prove your identity) and a security group (which acts as a virtual firewall to control ingoing and outgoing traffic). When you connect to your instance, you must provide the private key of the key pair that you specified when you launched your instance.



## Snapshots of implementation:




Connect to instance | EC2 | ap-
Download Putty (0.79) for Win
EXP 01 to 05
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ConnectToInstance:instanceId=i-0a60580a25f9648dd
Apps
Google
How to Create Fold...
Impartus
venomhunter123 (v...
JEE Main & Advanc...
Aromatic Compoun...
Important Topics for...
#text-channel-1
National Testing Ag...
2018PutnamProble...
aws
Services
Search
[Alt+S]
Mumbai
venomhunter
Connection Type
All
Apps
Documents
Web
More
Best match
Remote Desktop Connection
App
Search the web
mstsc - See more search results
mstsc admin
mstsc login
mstsc remote desktop
mstsc public mode
mstsc full form
mstsc command
mstsc multimon
mstsc public
Remote Desktop Connection
App
Open
Run as administrator
Open file location
Pin to Start
Pin to taskbar
Uninstall
MSTSC
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Privacy
Terms
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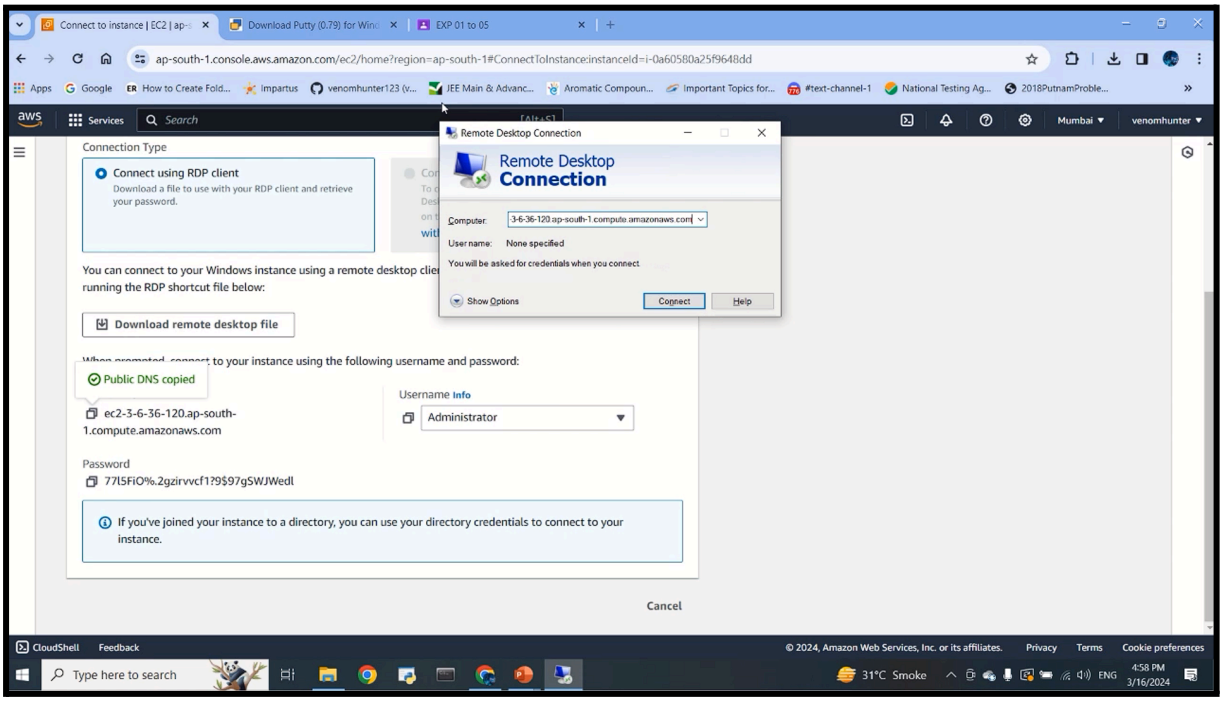
3/16/2024


Connect to instance | EC2 | ap-
Download Putty (0.79) for Win
EXP 01 to 05
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ConnectToInstance:instanceId=i-0a60580a25f9648dd
aws
Services
Search
Mumbai
venomhunter
Connection Type
Connect using RDP client
Download a file to use with your RDP client and retrieve your password.
You can connect to your Windows instance using a remote desktop clie
running the RDP shortcut file below:
Download remote desktop file
to your instance using the following username and password:
Public DNS copied
ec2-3-6-36-120.ap-south-1.compute.amazonaws.com
Username info
Administrator
Password
77l5FiO%.2gzirvvcf1?9$97gSWJWedl
If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.
Cancel
Remote Desktop Connection
Remote Desktop Connection
Computer:
3-6-36-120.ap-south-1.compute.amazonaws.com
User name:
None specified
You will be asked for credentials when you connect.
Show Options
Connect
Help
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Type here to search
31°C Smoke
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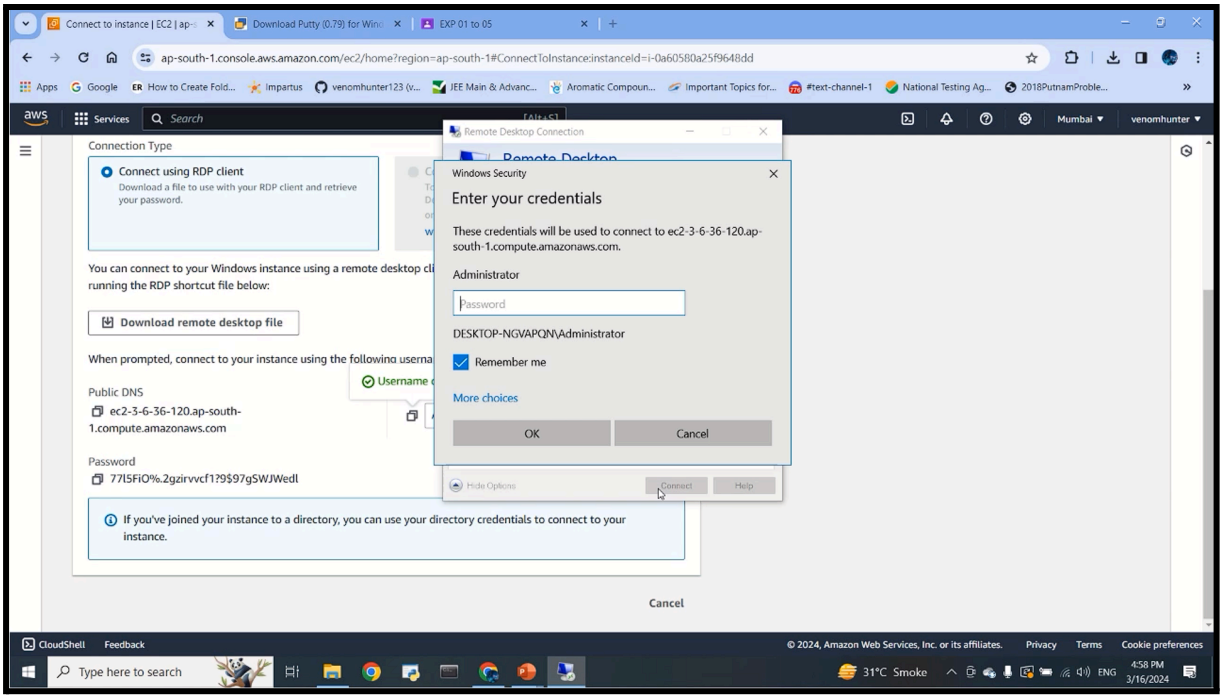
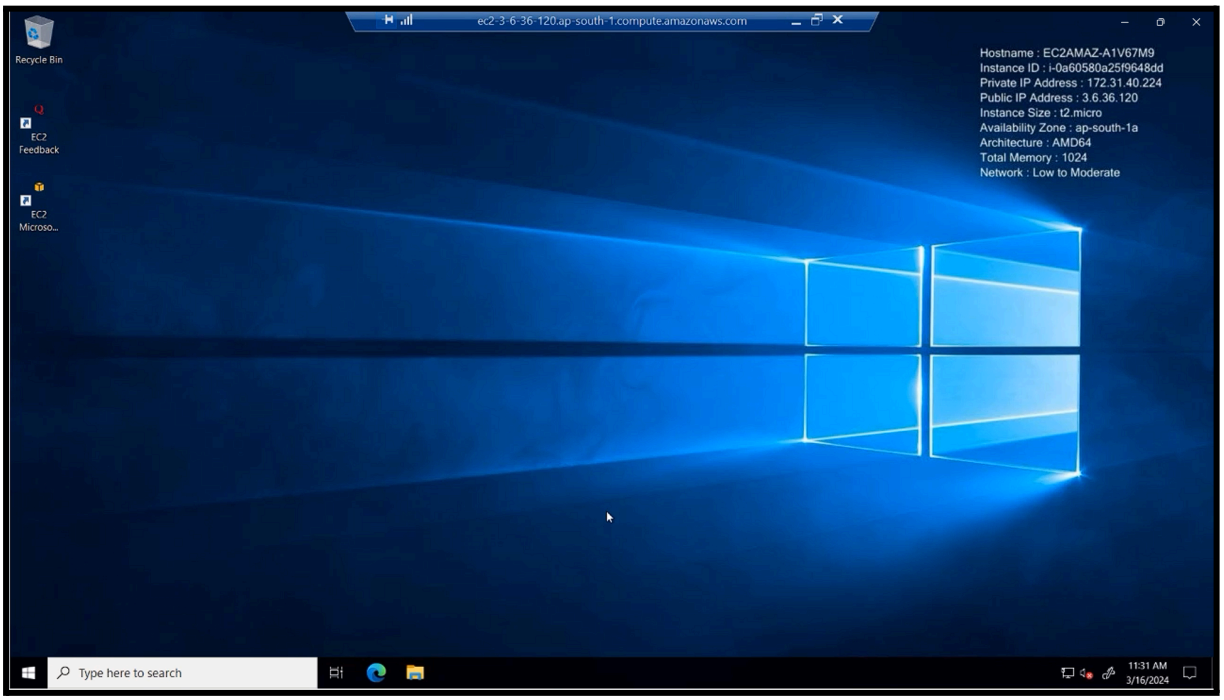
4:58 PM
3/16/2024




**Video Link:** **Dhanashree_Thakur_56_Exp2.mp4**

**Conclusion:**

Comment on the use of RDP protocol for Windows Virtual machine

**Ans:** Remote Desktop Protocol (RDP) is a widely used protocol for accessing and managing Windows-based virtual machines (VMs) hosted on platforms like Amazon EC2, Microsoft Azure, or other cloud providers. Here are some key points about the use of RDP with Windows VMs:

Remote Access: RDP allows users to remotely access and control a Windows VM from another computer or device. This capability is invaluable for system administrators, developers, and users who need to manage Windows-based systems located in remote data centers or cloud environments.

Graphical User Interface (GUI) Access: RDP provides full access to the Windows graphical user interface, enabling users to interact with the desktop environment, run applications, and perform administrative tasks as if they were physically present at the VM.

Secure Communication: RDP encrypts data transmitted between the client and the Windows VM, ensuring that sensitive information remains secure during remote sessions. Additionally, RDP supports various authentication methods, including password-based authentication and network-level authentication (NLA), enhancing security.

Multi-User Support: Windows Server editions support concurrent RDP sessions, allowing multiple users to connect to a single VM simultaneously. This capability is useful for scenarios such as remote desktop services (RDS) deployments, where multiple users need access to shared resources and applications.

Clipboard and File Transfer: RDP facilitates clipboard and file transfer between the client and the remote Windows VM, enabling seamless data exchange. Users can copy and paste text, images, and files between their local machine and the remote desktop session.