Batch No.: B.N-013/25- AWS/DEVOPS

Name.: Vaibhav Naikwade

Topic: Creating windows EC2 Instance and Connecting It Using RDP.

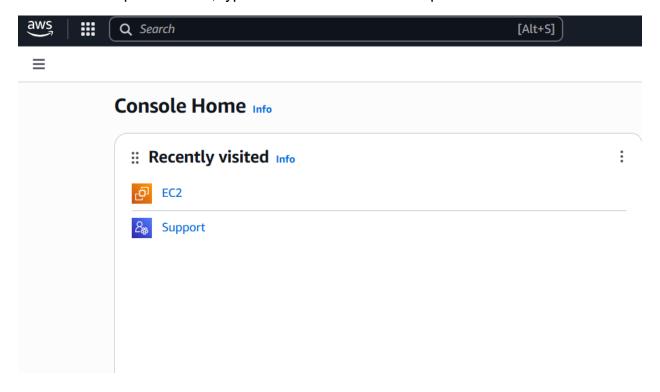
Assignment no.: 2- To create a Windows EC2 Instance

Step 1: Sign in to AWS

· Go to the AWS Console and log in using your credentials

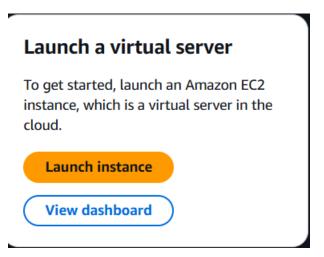
Step 2: Open EC2 Dashboard

• In the top search bar, type EC2 and select EC2 to open the EC2 Dashboard

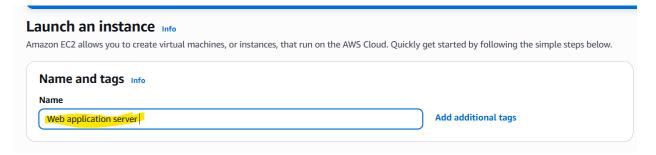


Step 3: Launch Instance

• Click the Launch Instance button to begin the process of creating a new instance.

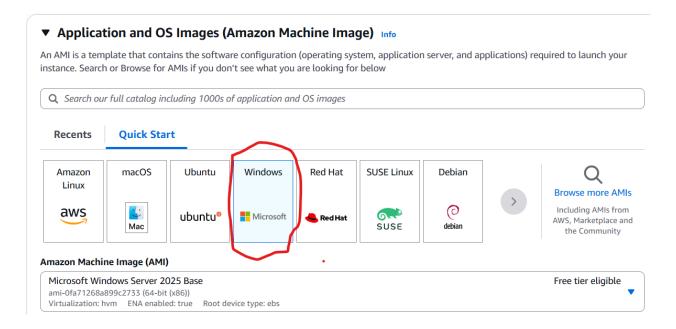


• Add Instance name as: web application server, we can add Tag (Optional).



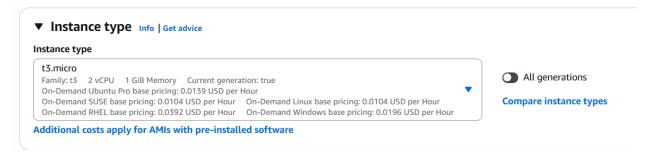
Step 4: Choose an Amazon Machine Image (AMI)

• Select an image (AMI) to use for your instance. You can choose from options like Amazon Linux, Ubuntu, or Windows, depending on what you need. As I am creating Windows machine, Therefore windows is selected.



Step 5: Choose Instance Type

• Select the type of instance that fits your needs. I have selected t3.micro here

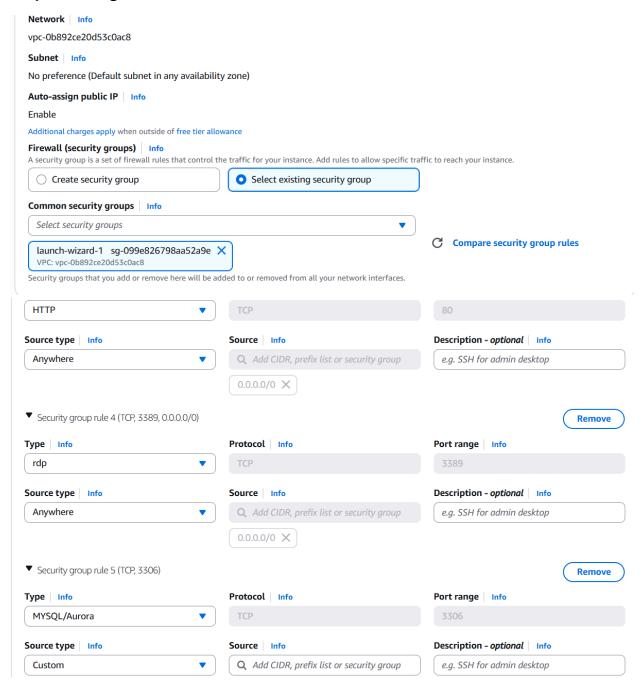


Step 6: Add Key-Pair

 Create a new key pair or use an existing one. If you create a new key pair, download the .pem file and keep it safe. This file is needed to SSH into your instance later



Step 7: Configure Instance



- Set the Network, Add security group, and Storage option
- Set Up Security Group:
- · Create a new security group or use an existing one

Add rules to allow traffic to your instance:

SSH (Port 22): For Linux instances, this allows you to SSH into the instance (ensure you have the correct private key to SSH).

RDP (Port 3389): For Windows instances, this allows you to connect via Remote Desktop Protocol (RDP

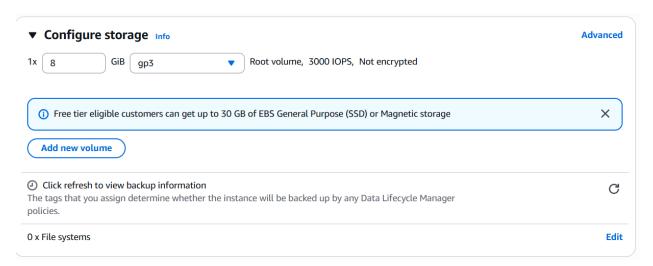
HTTP (Port 80): If you plan to host a web server, this allows HTTP traffic.

HTTPS (Port 443): If your website uses SSL encryption, open this port.

MYSQL (Port 3306): If we want to connect Database, Open this port.

Step 8: Add Storage

The default storage (usually an EBS volume) is fine for basic use. You can adjust the size if needed.



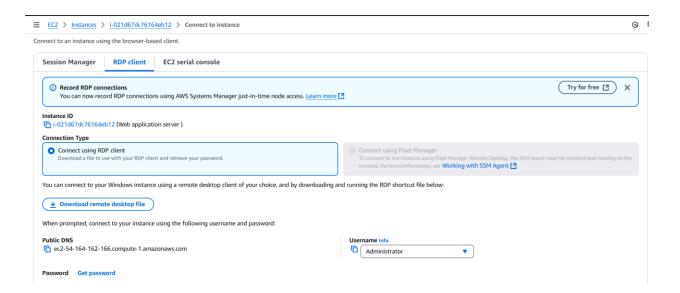
Step 8: Launch

• Review all your selections and settings. If everything looks good, click the Launch button.



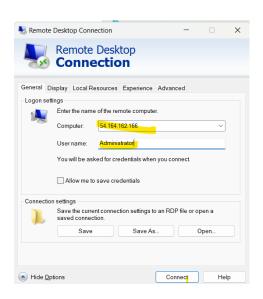
Step 9: Connect to Your Instance

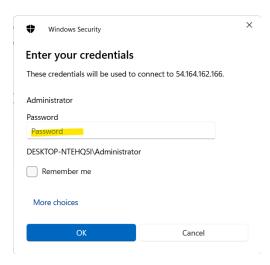
- Once the instance is up and running, go to the Instances section in the EC2 Dashboard.
- To connect windows instane go to RDP client, select connection type as connect using RDP client.
- To get password click on get password, it will ask for Key. Select the Key in download folder. Once key gets uploaded click on decrypt password.
- Copy public IP, username and password.



Step 10: Open RDP console from your local machine

- Enter public IP and username and click on connect.
- New pop up will open then enter the password and click on OK.





After login you will get server details

Hostname: EC2AMAZ-47KL553
Instance ID: i-021d67dc76164eb12
Private IPv4 address: 172.31.47.108
Public IPv4 address: 54.164.162.166
Instance size: t3.micro
Availability Zone: us-east-1d
Architecture: AMD64
Total memory: 1024
Network: Up to 5 Gigabit

