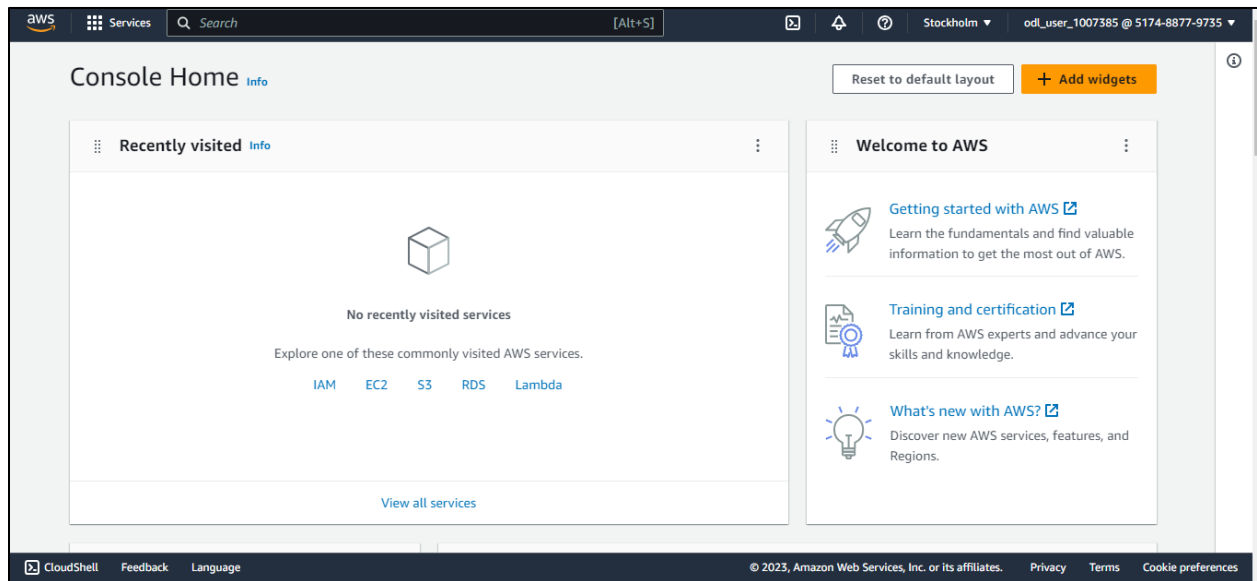


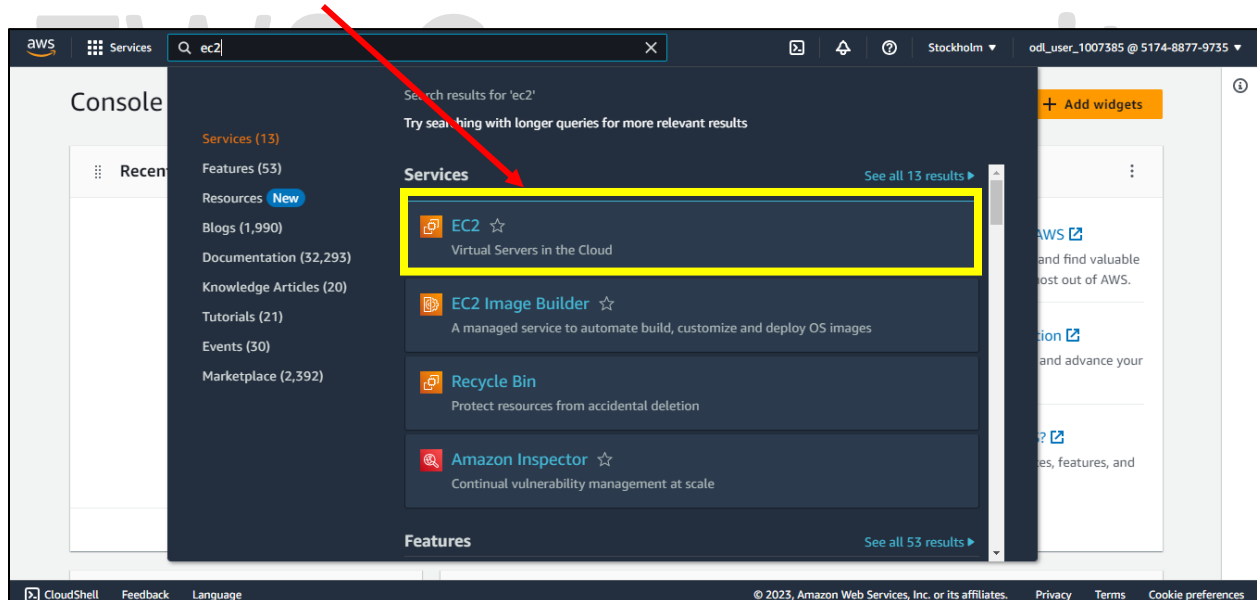
# Create EC2 Instance in AWS

To create EC2 instance in AWS, please follow below steps.

## Step 1: Login to AWS account

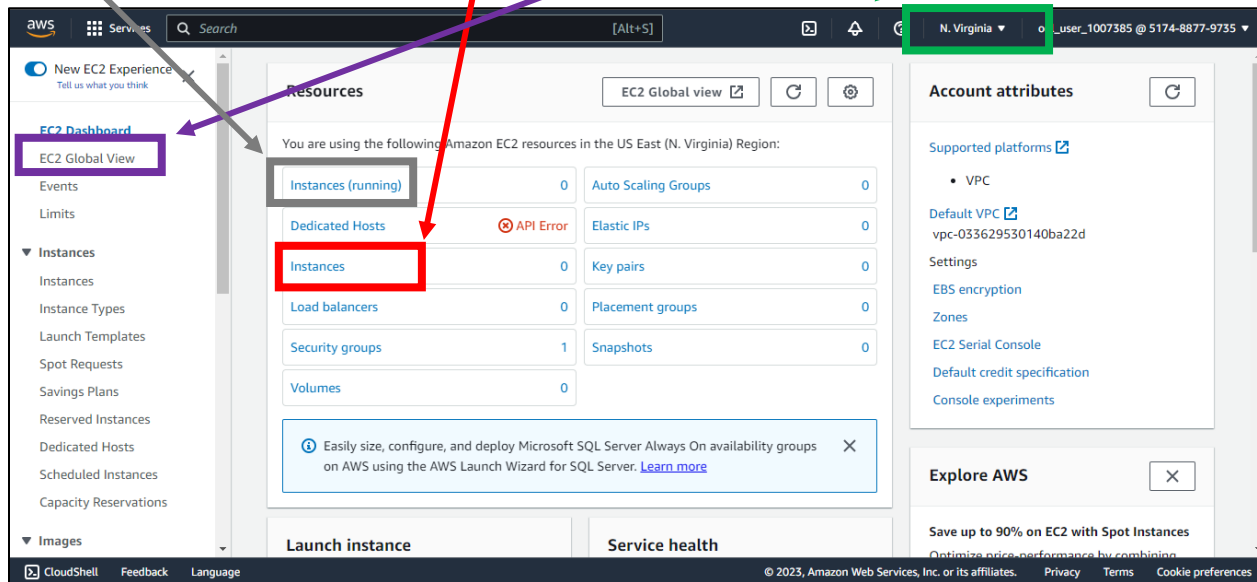


## Step 2: Search and goto EC2 service.



# Create EC2 Instance in AWS

Step 3: Here you will see if you have any **instances** present in your account and which of them are **running** and other info. And look for the **region** which is selected, you can change the region if it is present in other region or you can check **EC2 Global View**.



And as of now, we don't have instances in our account.

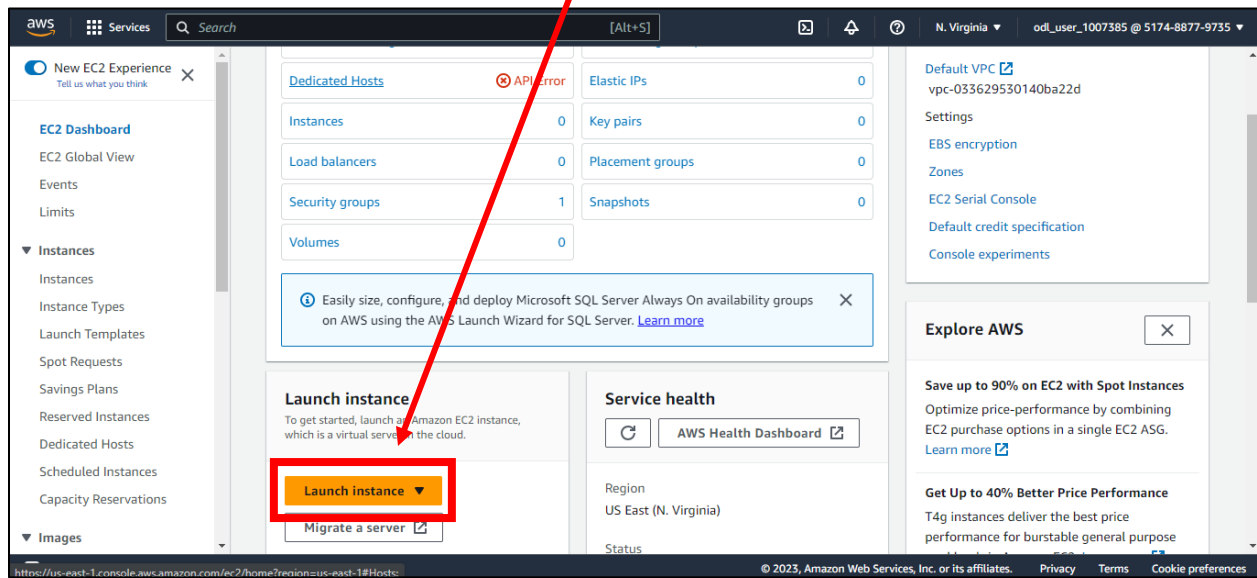
So now, we'll create a EC2 instance and then will connect to it.



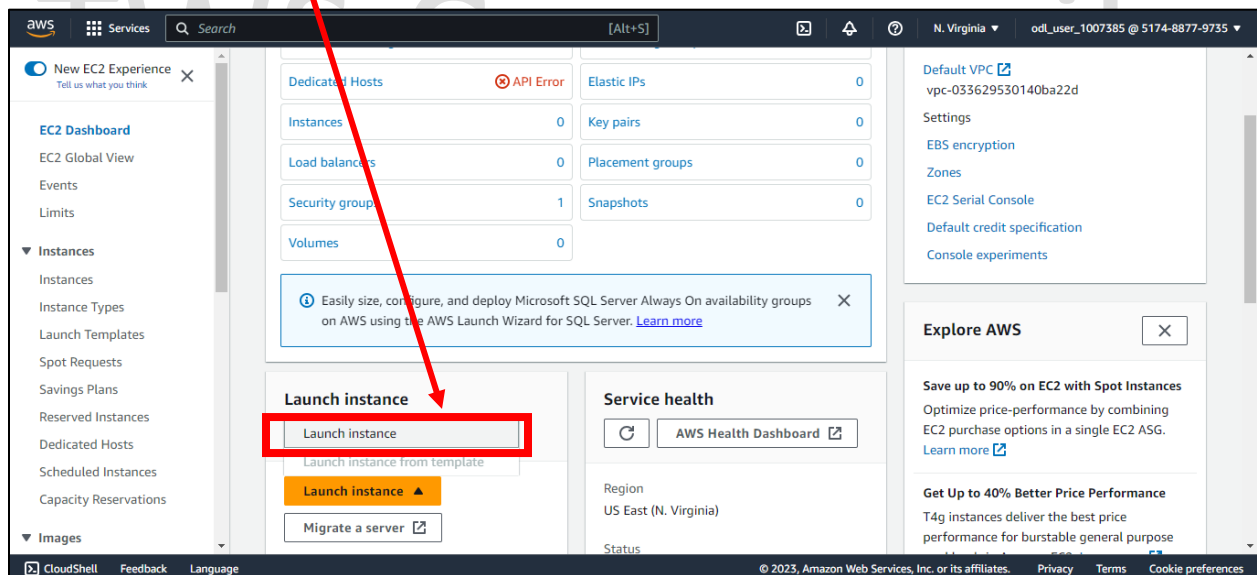
# Create EC2 Instance in AWS

## Create EC2 Instance in AWS -

**Step 1:** Scroll down a bit and you will see **Launch Instance** button, so click on it.

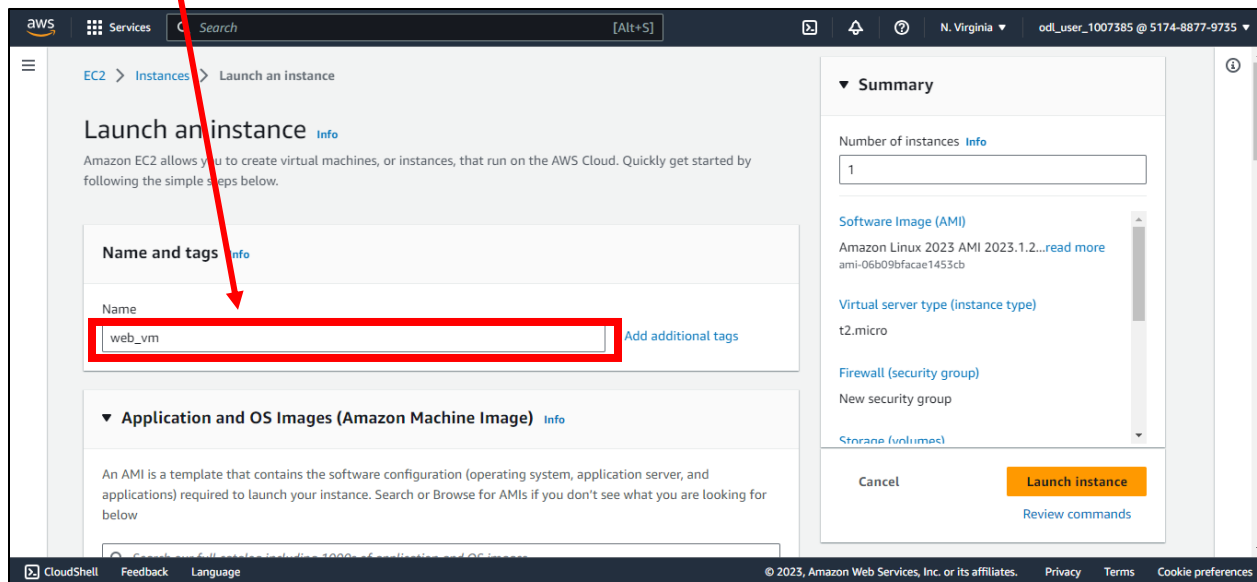


**Step 2:** Click on **Launch Instance**.

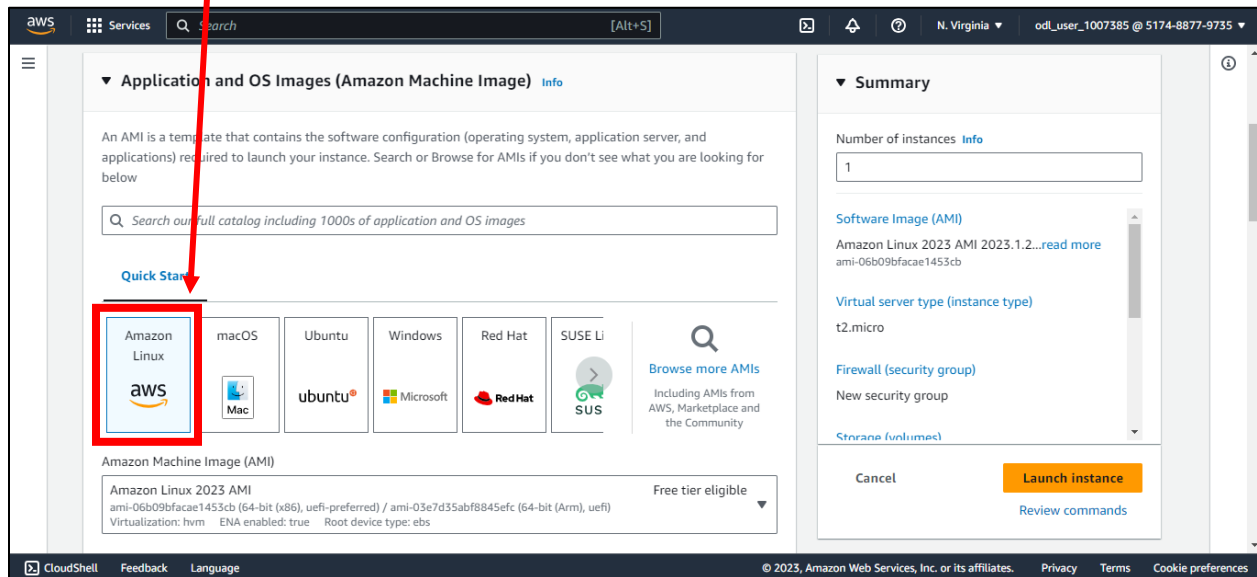


# Create EC2 Instance in AWS

**Step 3:** Add tags for your EC2 Instance.



**Step 4:** Select AMI (Amazon Machine Image) / OS Image as per your requirements. Here we are selecting Amazon Linux 64bit AMI.



# Create EC2 Instance in AWS

### Amazon Machine Image (AMI)

Amazon Linux 2023 AMI  
ami-06b09bfacae1453cb (64-bit (x86), uefi-preferred) / ami-03e7d35abf8845efc (64-bit (Arm), uefi)  
Virtualization: hvm ENA enabled: true Root device type: ebs

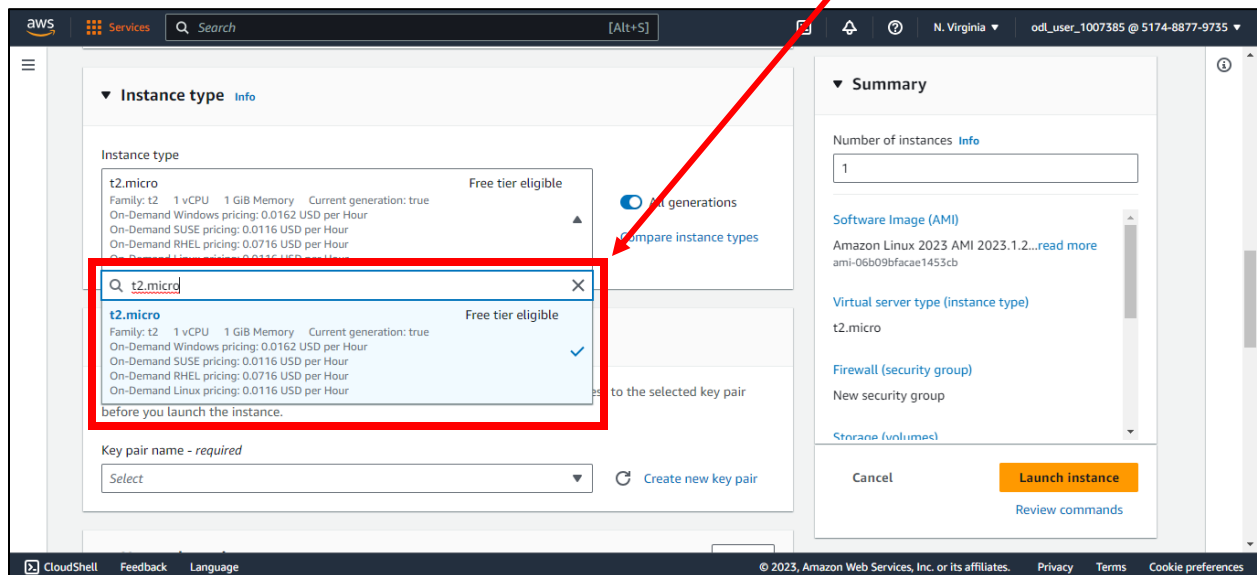
Free tier eligible ▼

### Description

Amazon Linux 2023 AMI 2023.1.20230629.0 x86\_64 HVM kernel-6.1

Architecture	Boot mode	AMI ID	
64-bit (x86) ▼	uefi-preferred	ami-06b09bfacae1453cb	Verified provider

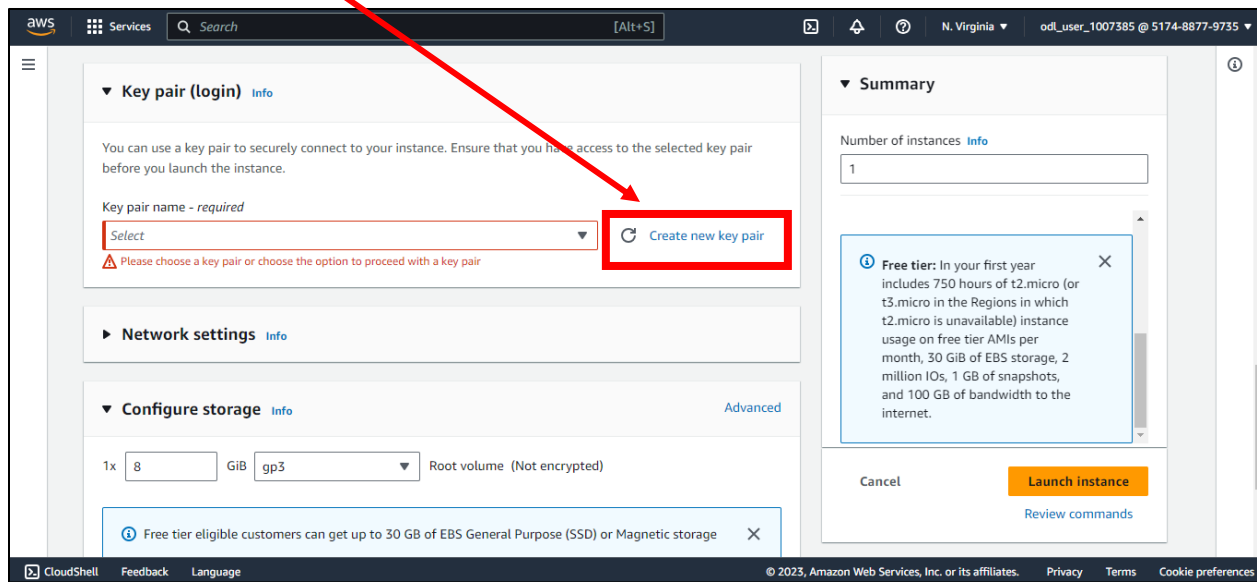
**Step 5:** Search and select the instance type. Here we are selecting **t2.micro** as instance type.



The screenshot shows the AWS Management Console interface for creating an EC2 instance. The 'Instance type' section is active, displaying a list of instance types. A search bar contains 't2.micro', and the results show 't2.micro' as the selected option, marked with a checkmark. A red box highlights the search results, and a red arrow points to the 't2.micro' entry. The 'Summary' panel on the right shows the configuration for the instance, including the number of instances (1), the software image (AMI), the virtual server type (instance type) set to 't2.micro', the firewall (security group), and the storage (volumes). The 'Launch instance' button is visible at the bottom right of the summary panel.

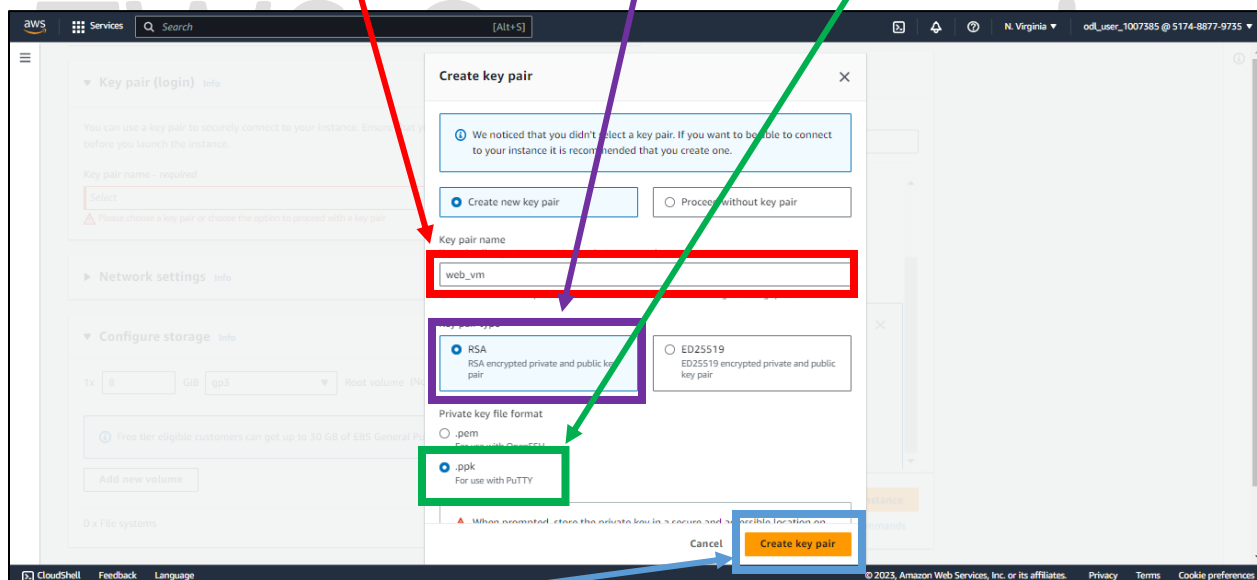
# Create EC2 Instance in AWS

**Step 6:** We will create a new Key Pair.



**Step 7:** Enter the name for you Key Pair, select Key Pair Type and Private Key Format.

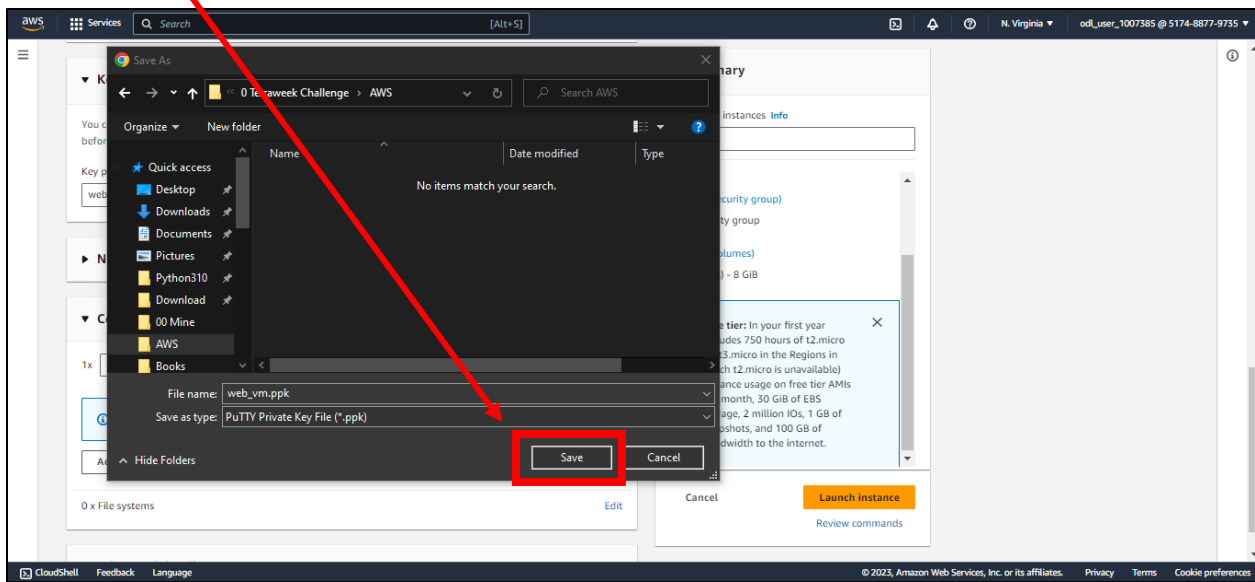
We are selecting Key Pair type as RSA and Private Key Format as PPK.



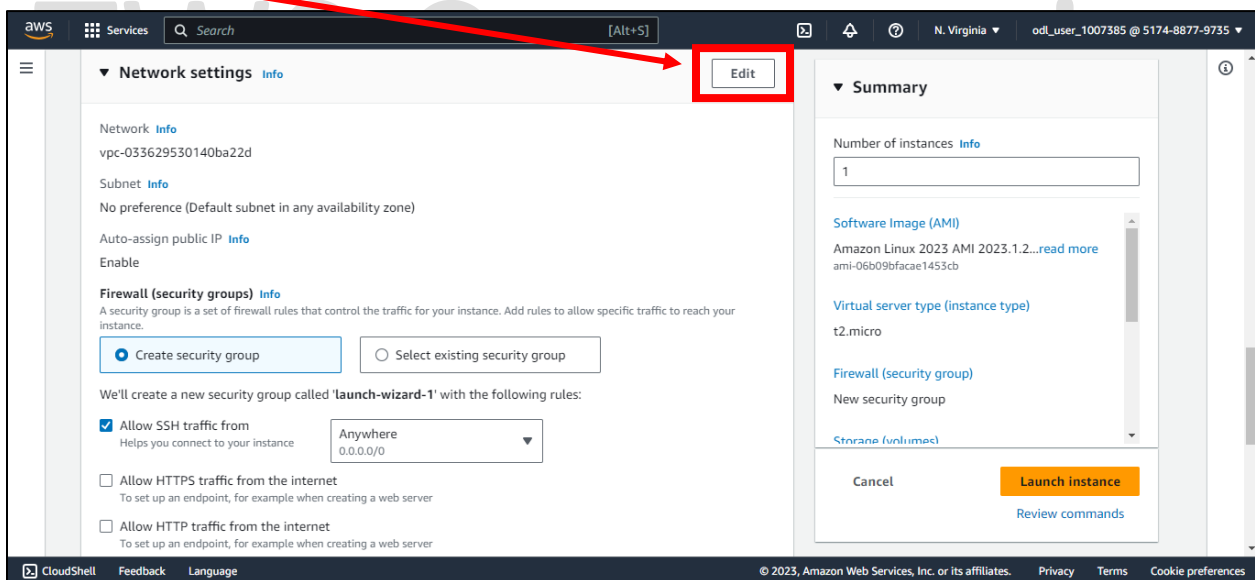
**Step 8:** Click on Create Key Pair button.

# Create EC2 Instance in AWS

**Step 9:** Now Save the Key on your machine.



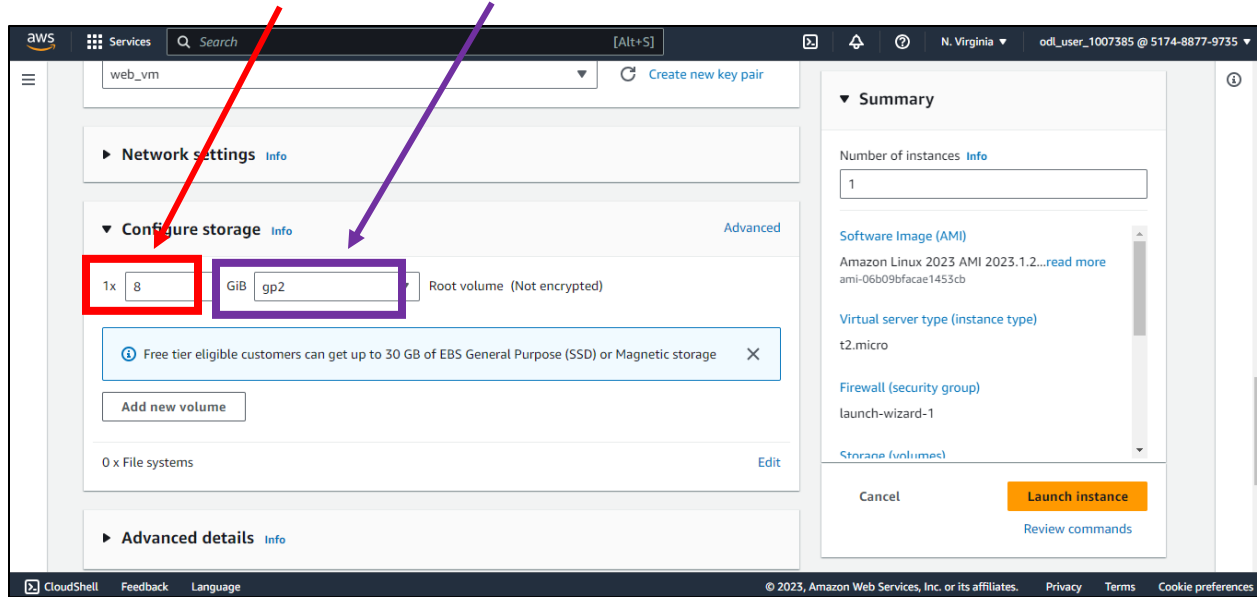
**Step 10:** Click on Edit button to edit the network configuration. I will keep settings to default only.



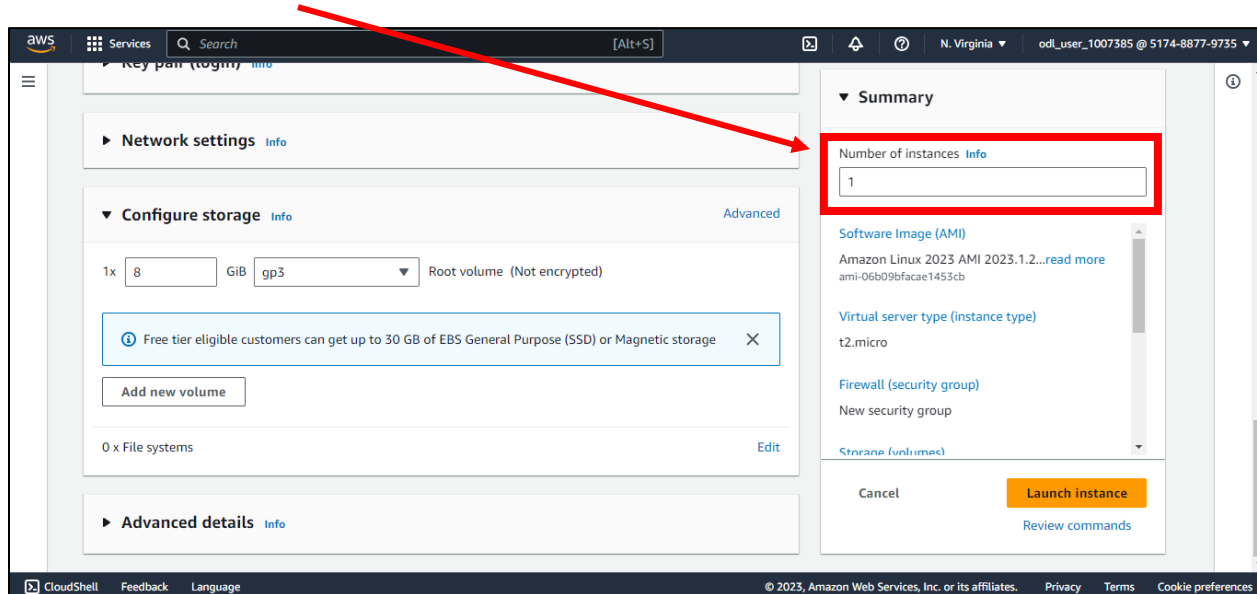
<https://www.linkedin.com/in/themr255/>

# Create EC2 Instance in AWS

**Step 11:** Select the storage size and storage type in Configure Storage section.



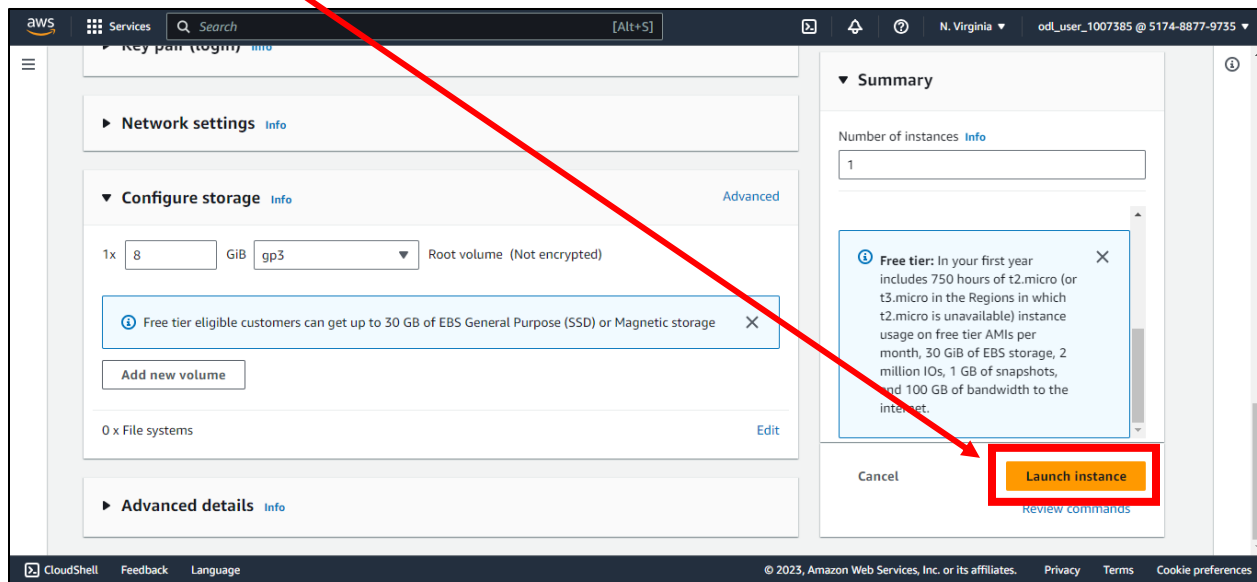
**Step 12:** Select number of instances.



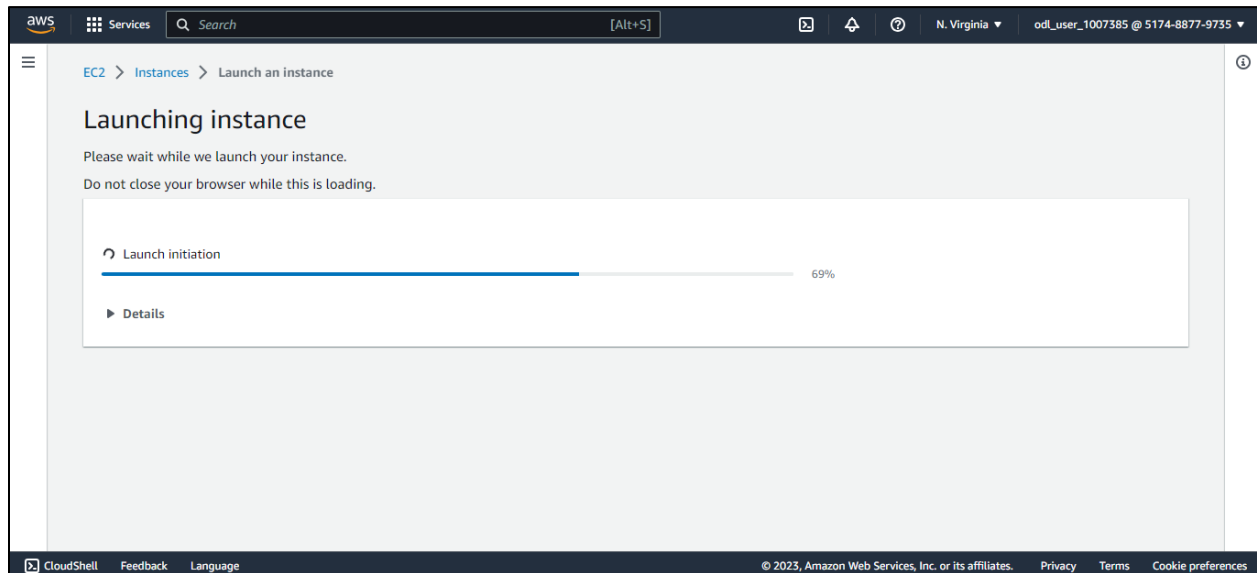


# Create EC2 Instance in AWS

**Step 13:** Click on Launch Instance button.

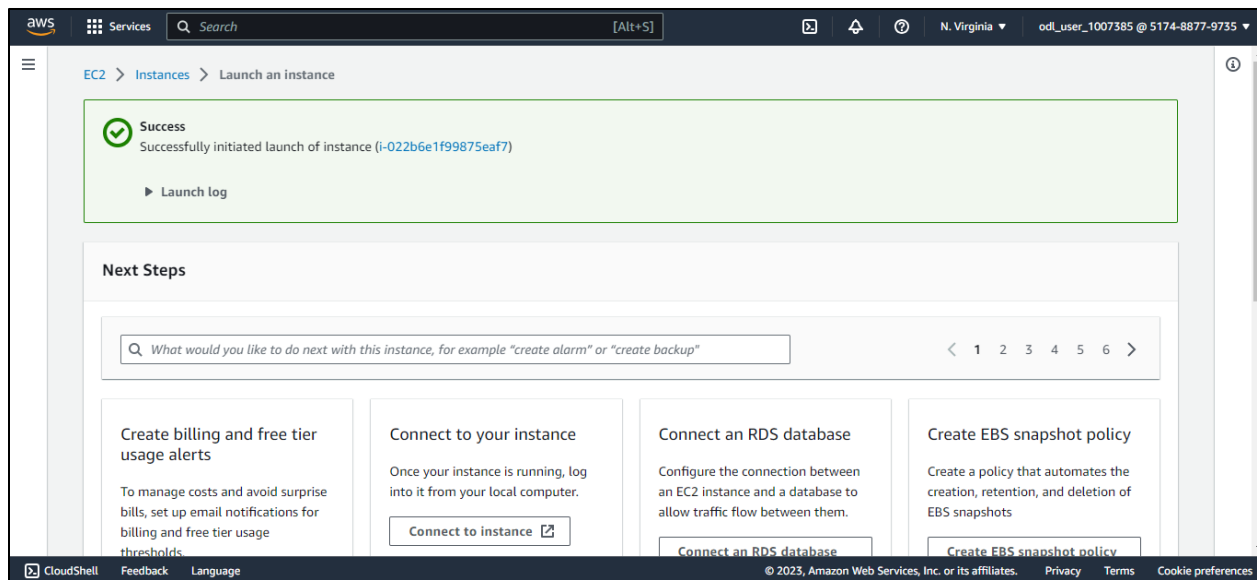


**Step 14:** Now it will create your EC2 Instance.

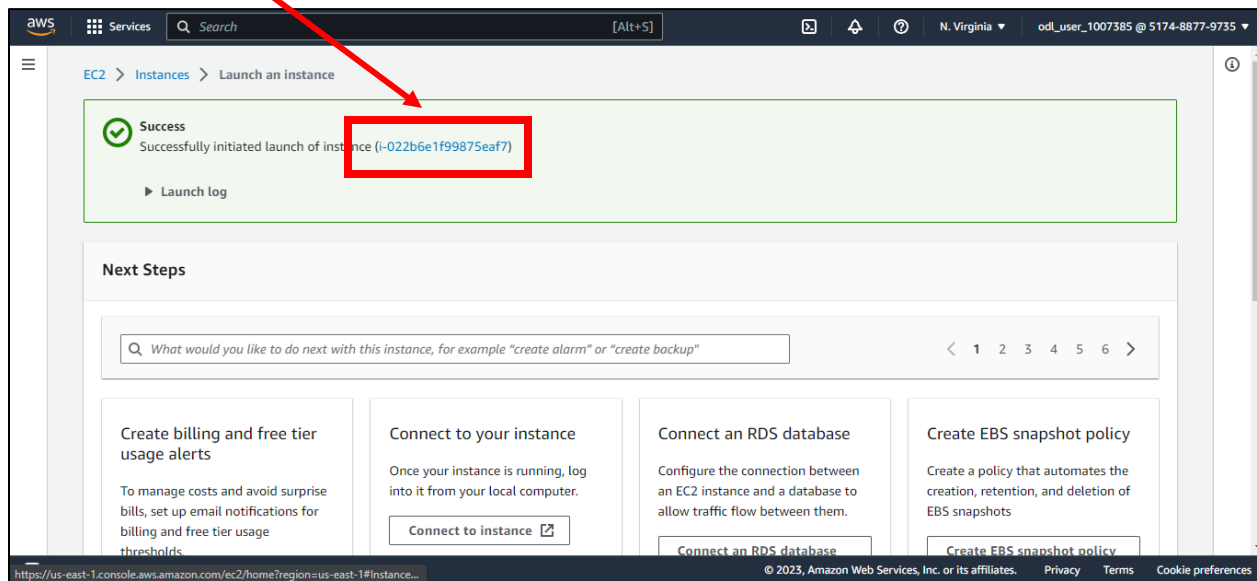


# Create EC2 Instance in AWS

Once the instance is created, you will see success message as shown below.

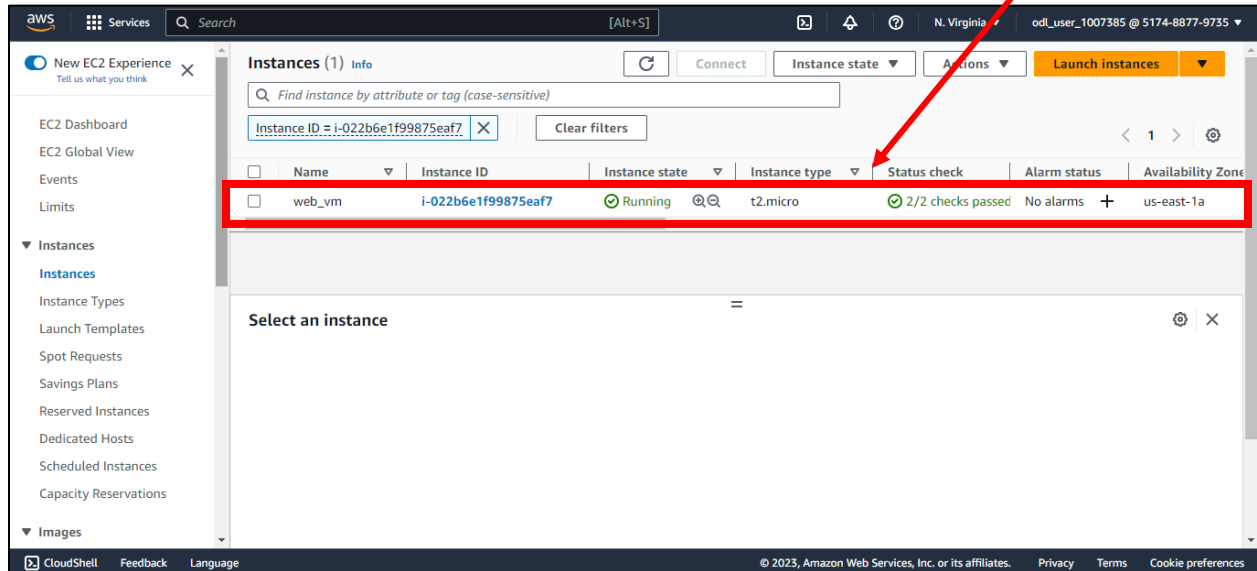


You can click on Instance ID to goto your EC2 instance which you just created.



# Create EC2 Instance in AWS

After clicking on it, it will redirect you to Instances Dashboard. Here you can see the instance which you just created.

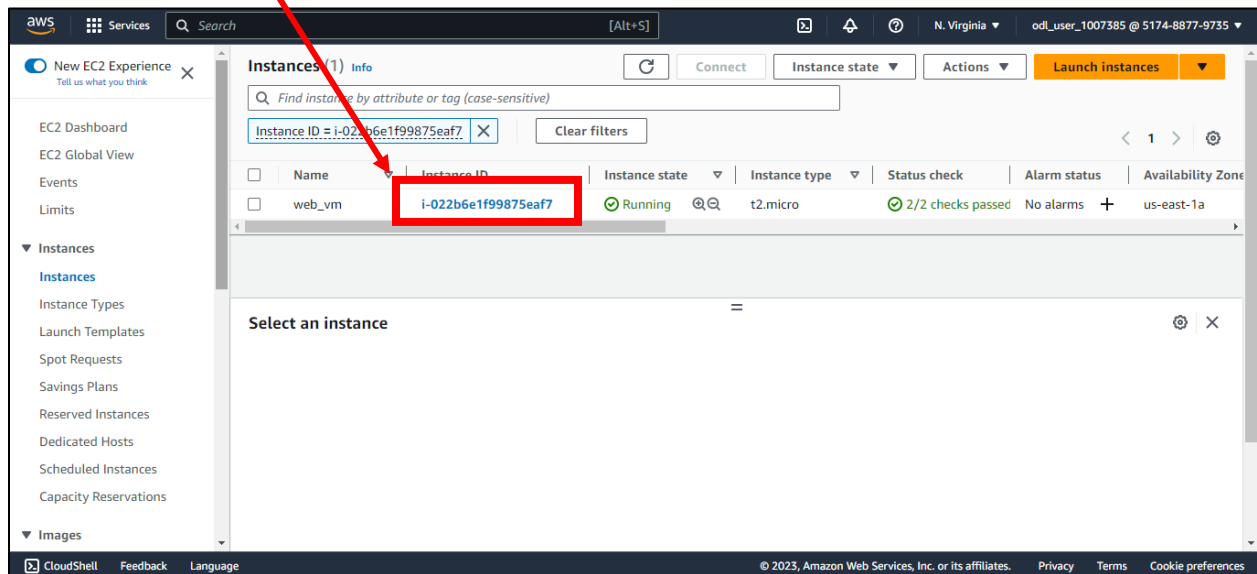


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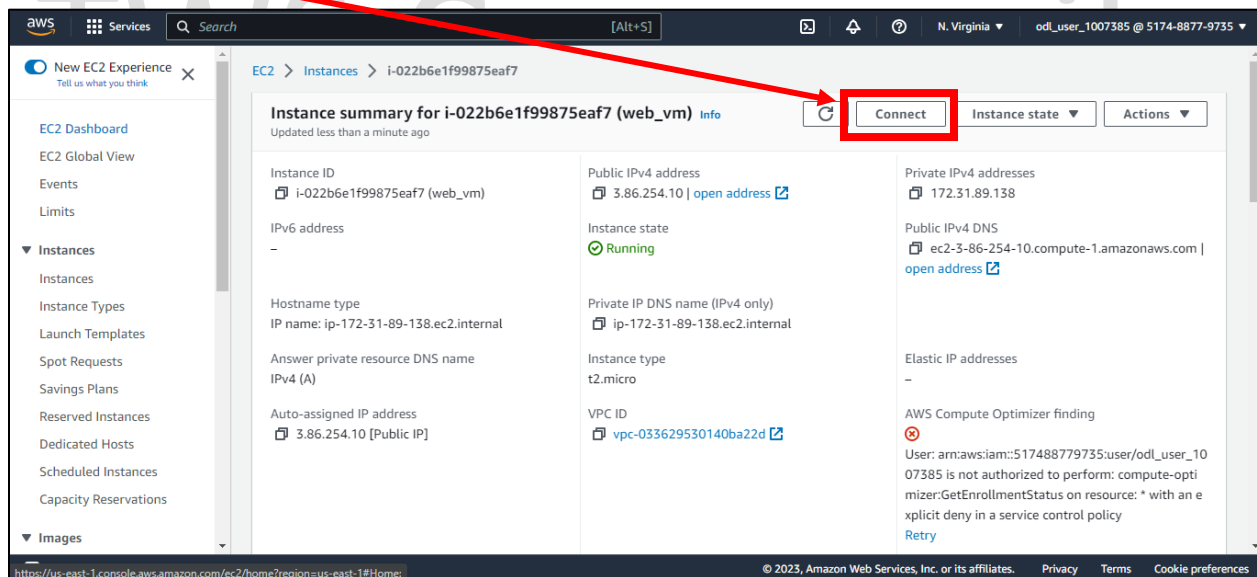
# Create EC2 Instance in AWS

## Connecting to EC2 Instance using EC2 Instance Connect -

**Step 1:** Click on Instance ID.

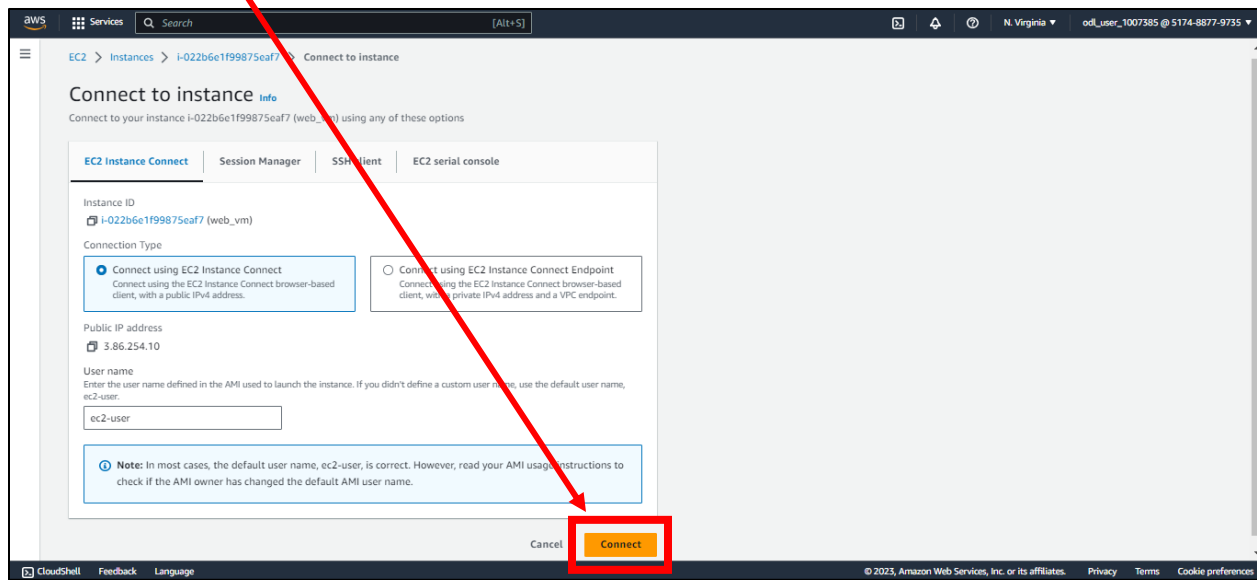


**Step 2:** Click on Connect Button.



# Create EC2 Instance in AWS

**Step 3:** Click on Connect button.



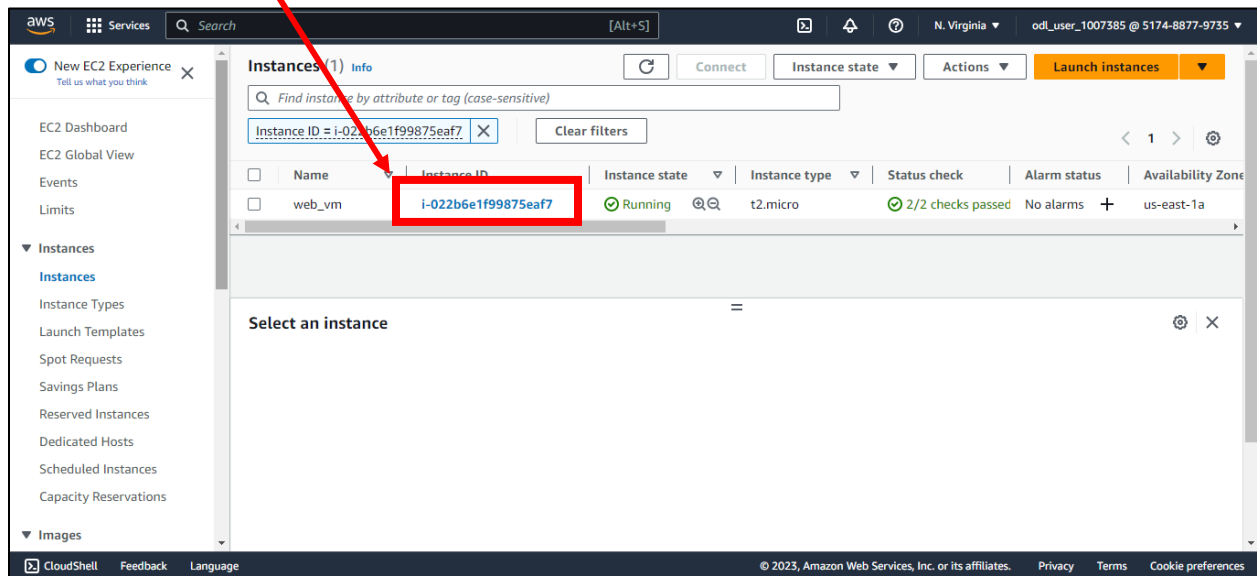
**Step 4:** New browser window will be opened with a web based session to our EC2 Instance.



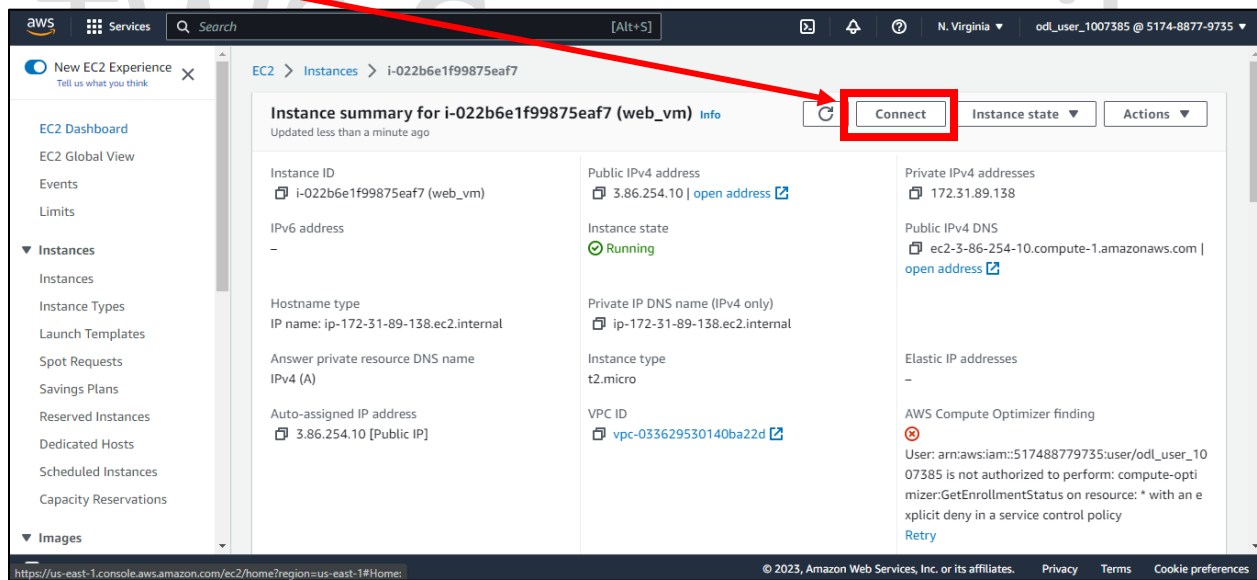
# Create EC2 Instance in AWS

## Connecting to EC2 Instance using SSH Client -

**Step 1:** Click on Instance ID.

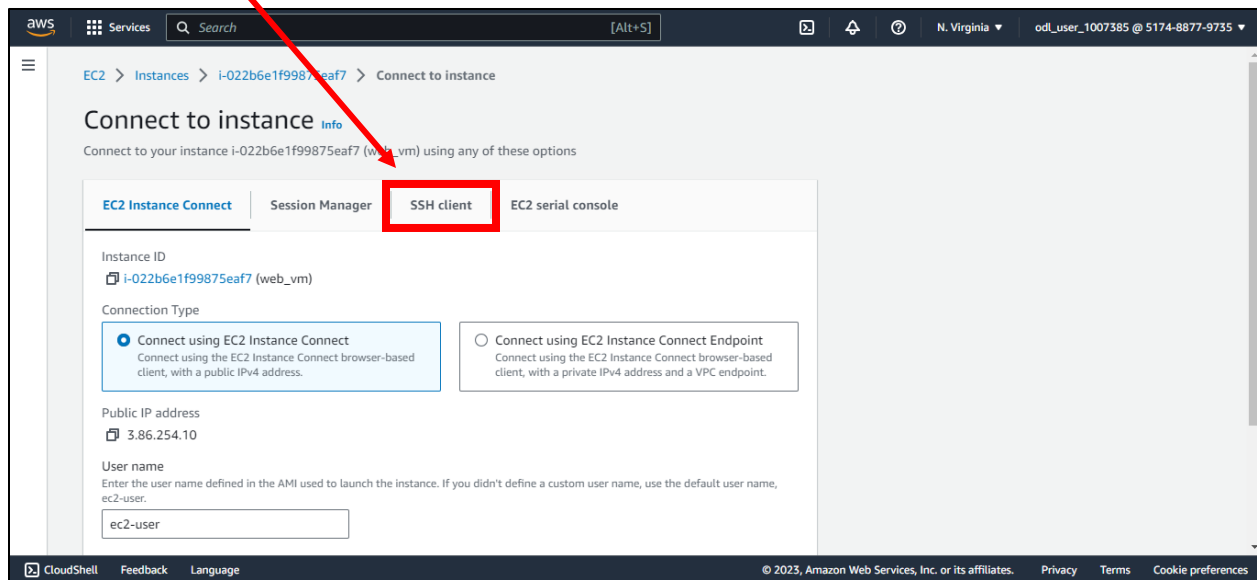


**Step 2:** Click on Connect Button.

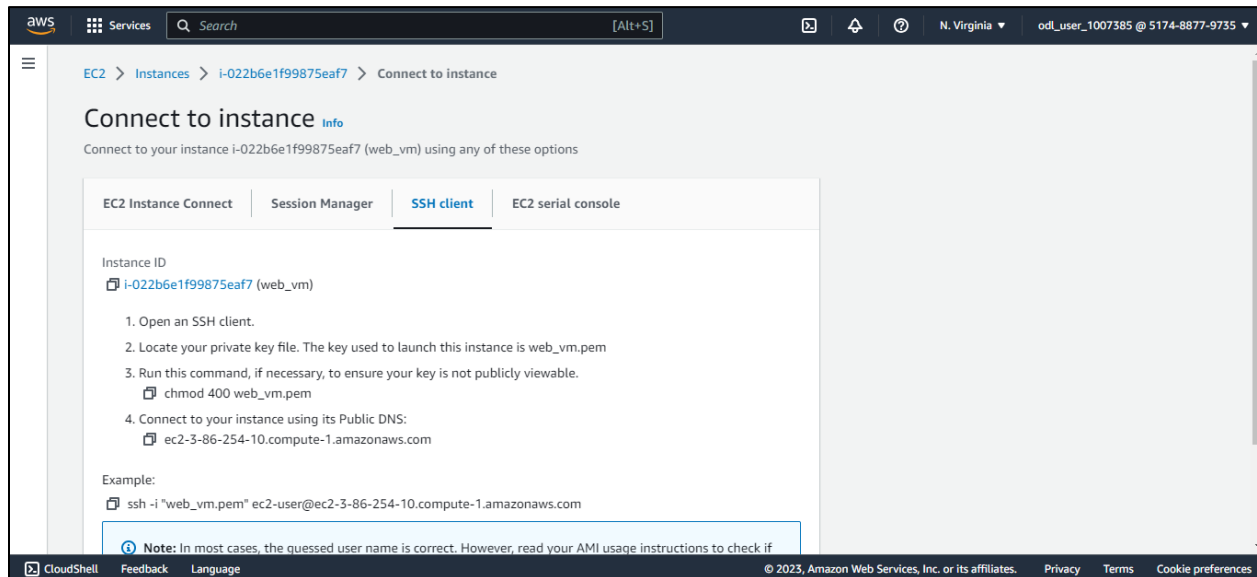


# Create EC2 Instance in AWS

**Step 3:** Click on **SSH Client** button.



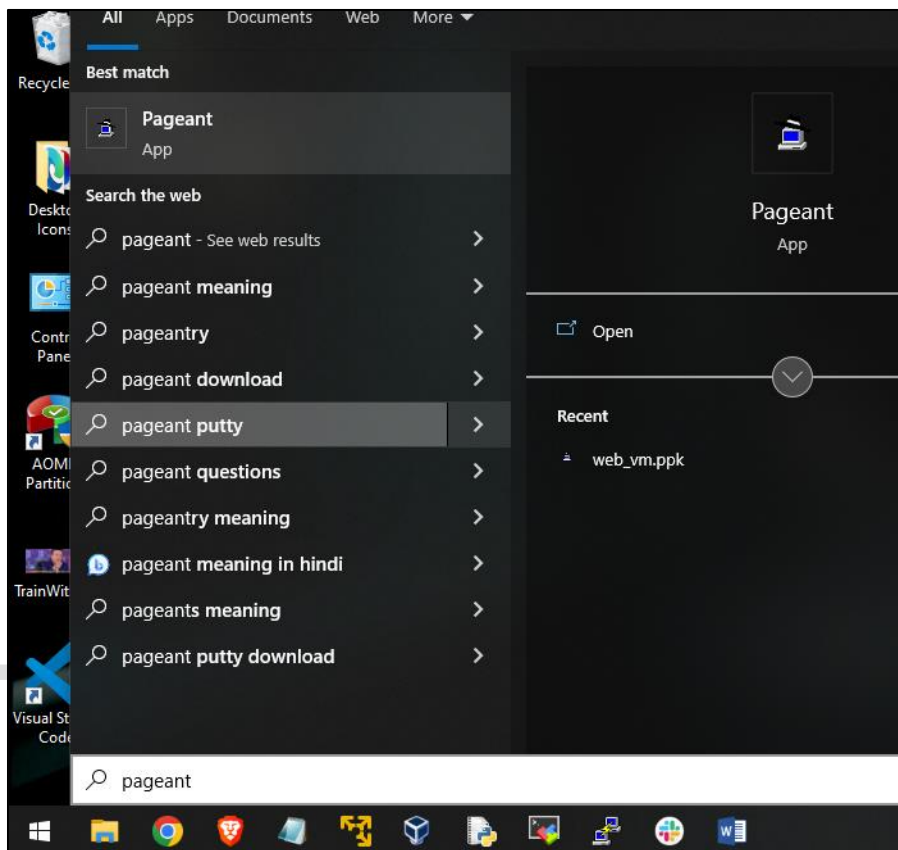
Here you can see details like **Public DNS Name**, **User Name** and other info.



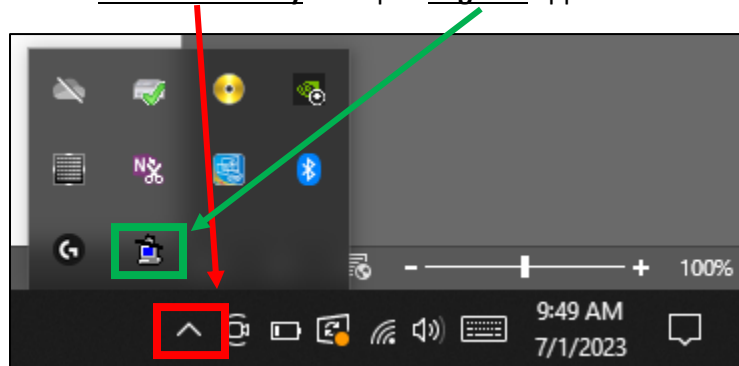
## Create EC2 Instance in AWS

**Step 4:** Load the PPK key in **Putty Pageant** which we created while creating the EC2 Instance.

Step i: Search **Pageant** on Windows search bar and open that application.



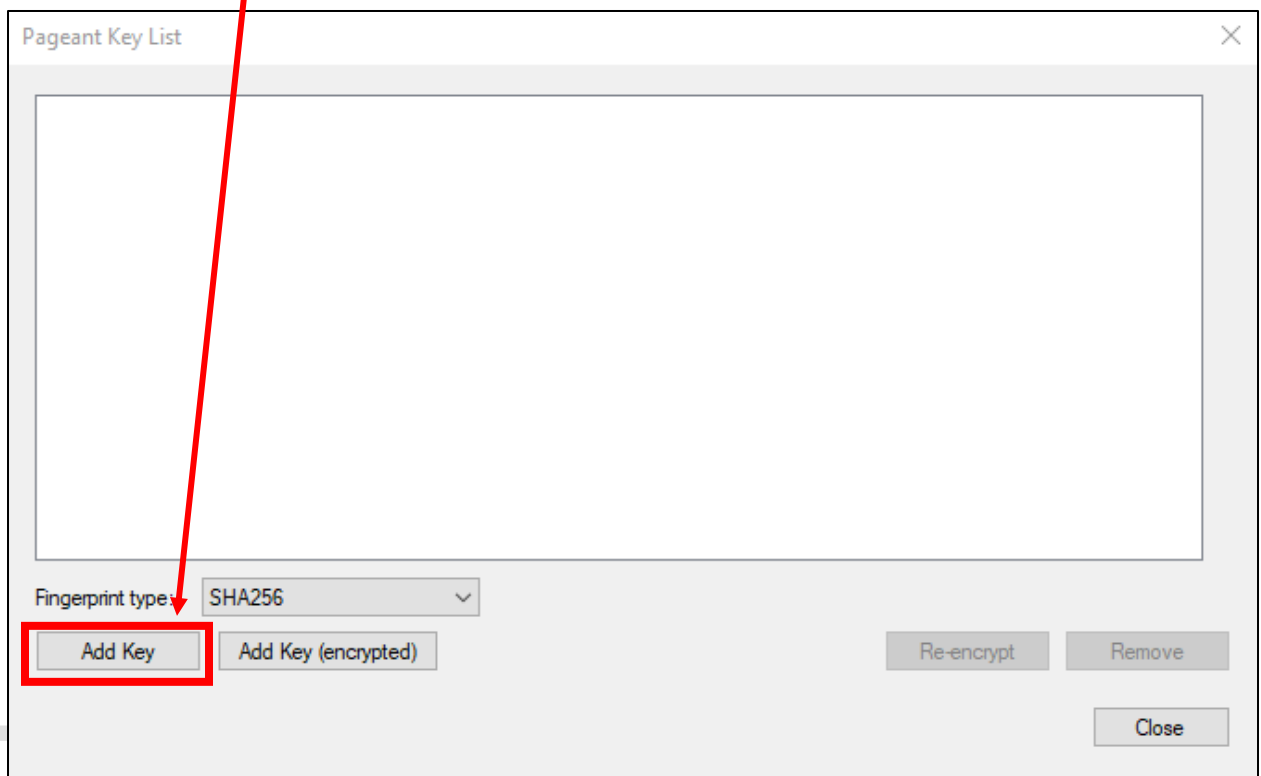
Step ii: Click on **Notification Tray** and open **Pageant** app.



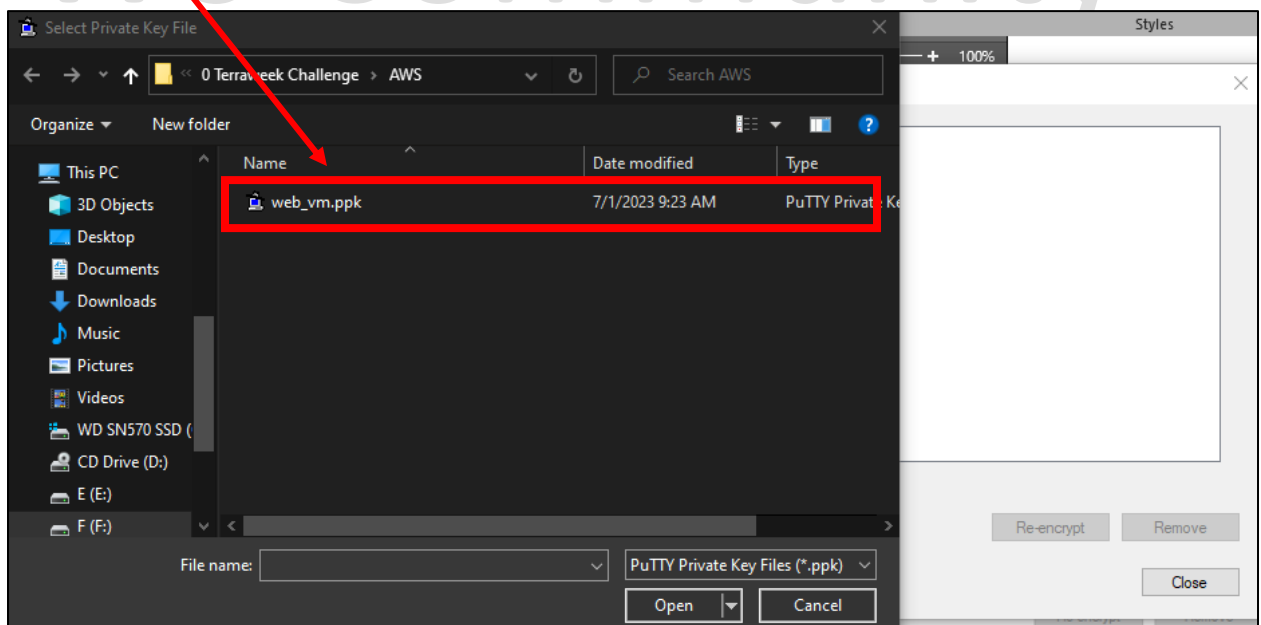


# Create EC2 Instance in AWS

Step iii: Click on **Add Key** Button.



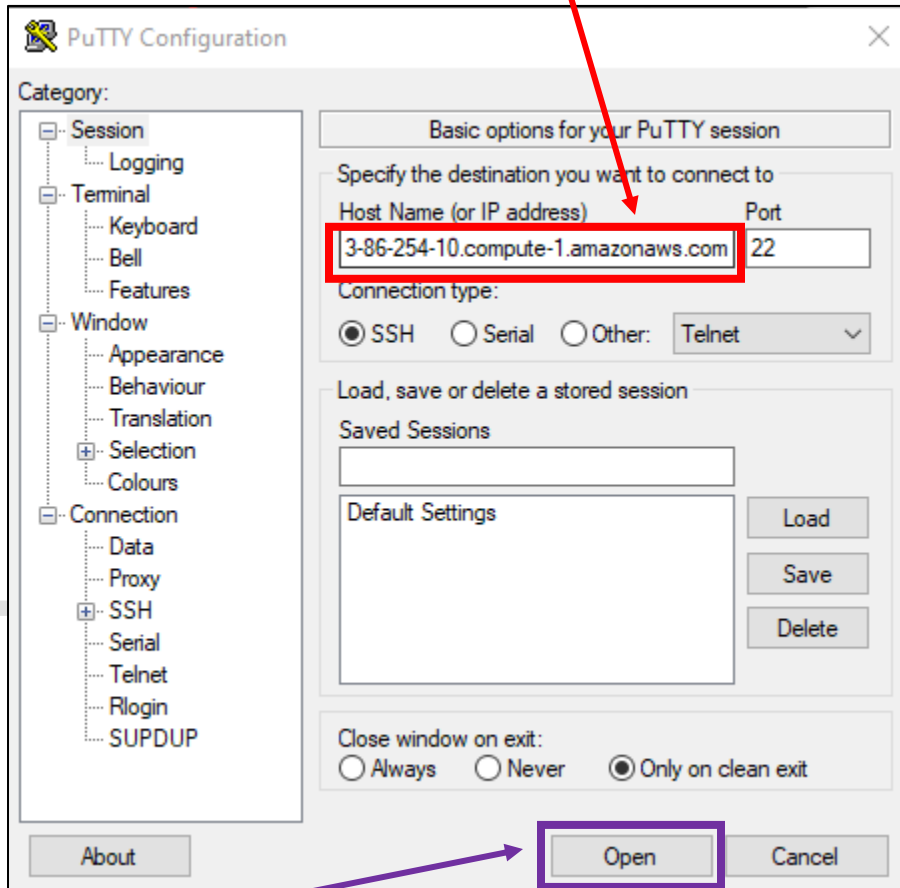
Step iv: **Select and open** PPK key.



# Create EC2 Instance in AWS

**Step 5:** Open Putty application and enter **EC Instance Public DNS** in host field and **port** should be **22**.

**Note –** We got this DNS in step 3.



**Step 6:** Click on **Open** button.

**Step 7:** Enter the **user name** which we got in step 3. Hit Enter button.



