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Cloud Computing

Practical Assignment No. 3 - Working and Implementation of Infrastructure as a service

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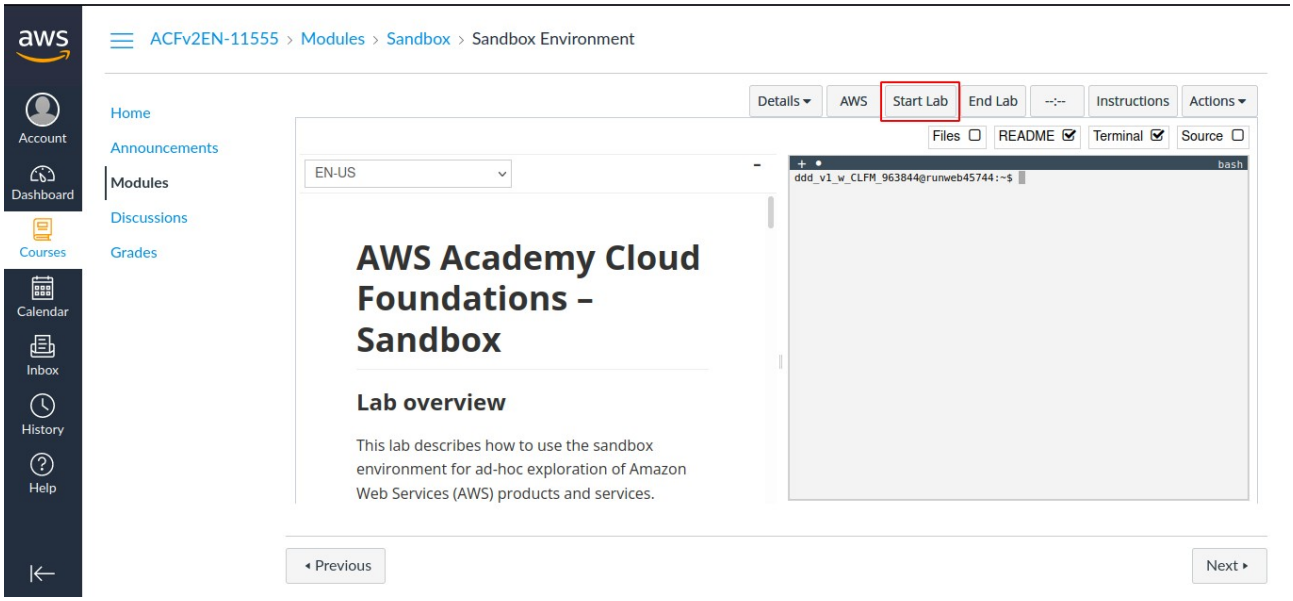
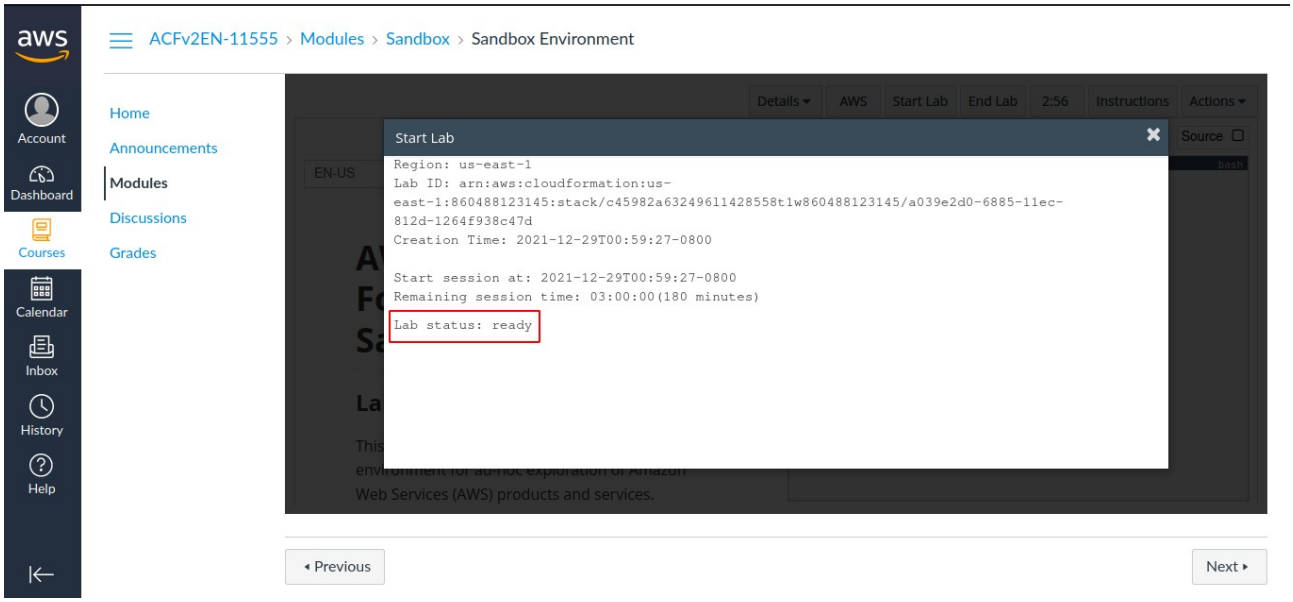
Create an EC2 Linux Instance and Install a Apache Web Server and run hello World page.

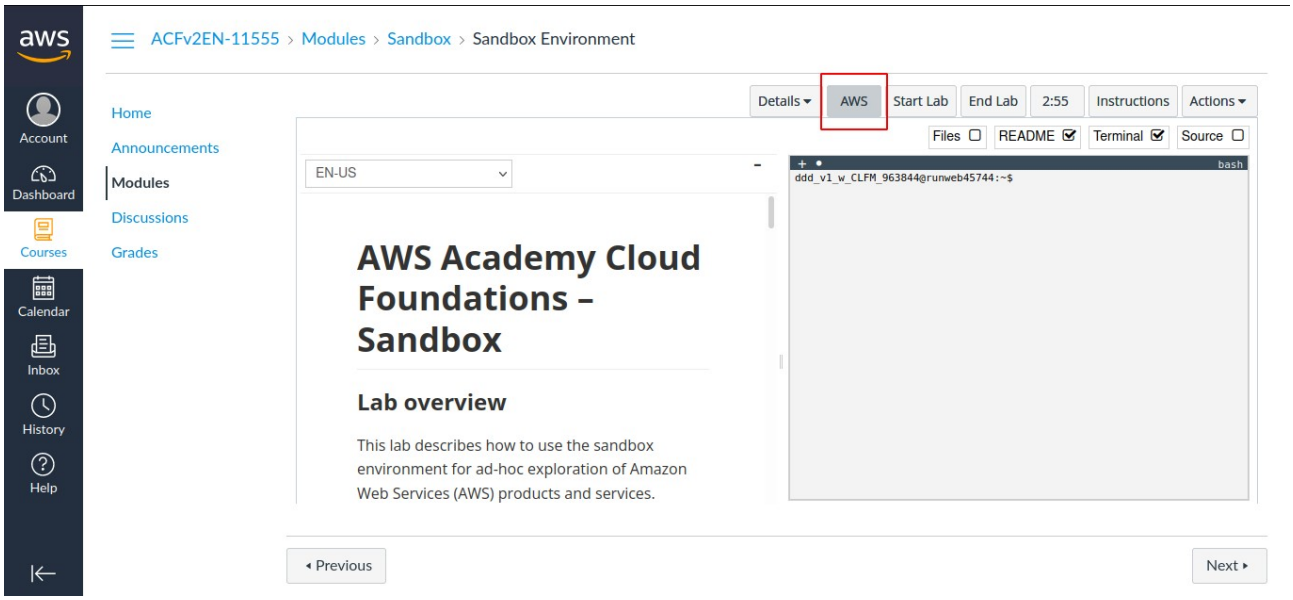
Step 1: At the top right panel above the console, choose **Start Lab** to launch your lab.



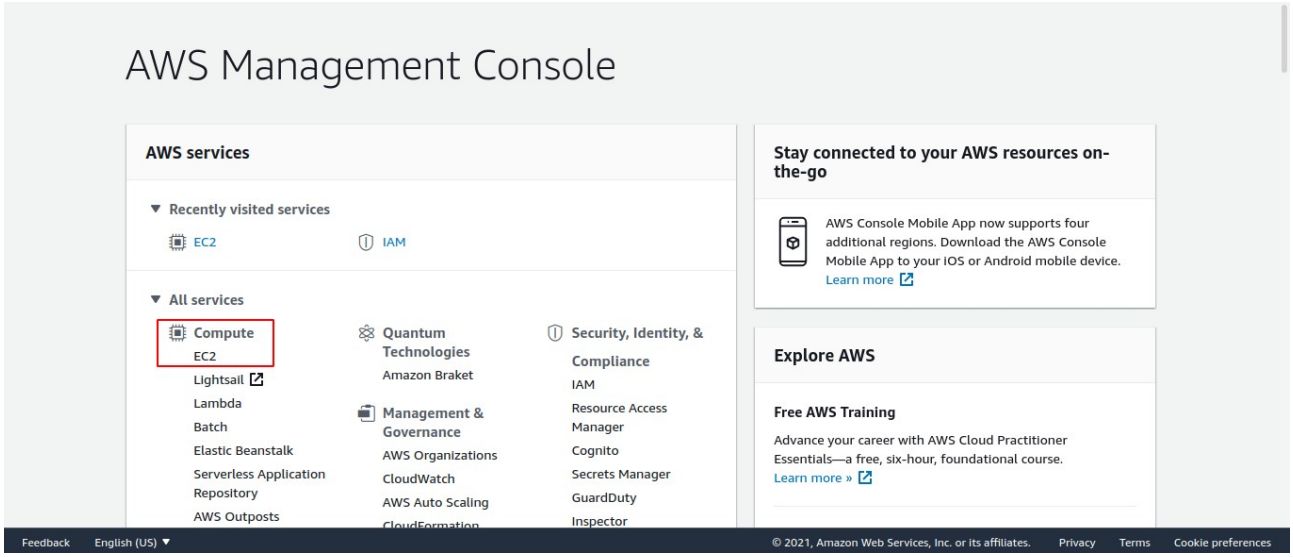
Step 2: Wait until you see the message "**Lab status: ready**", then choose the **X** to close the Start Lab panel.



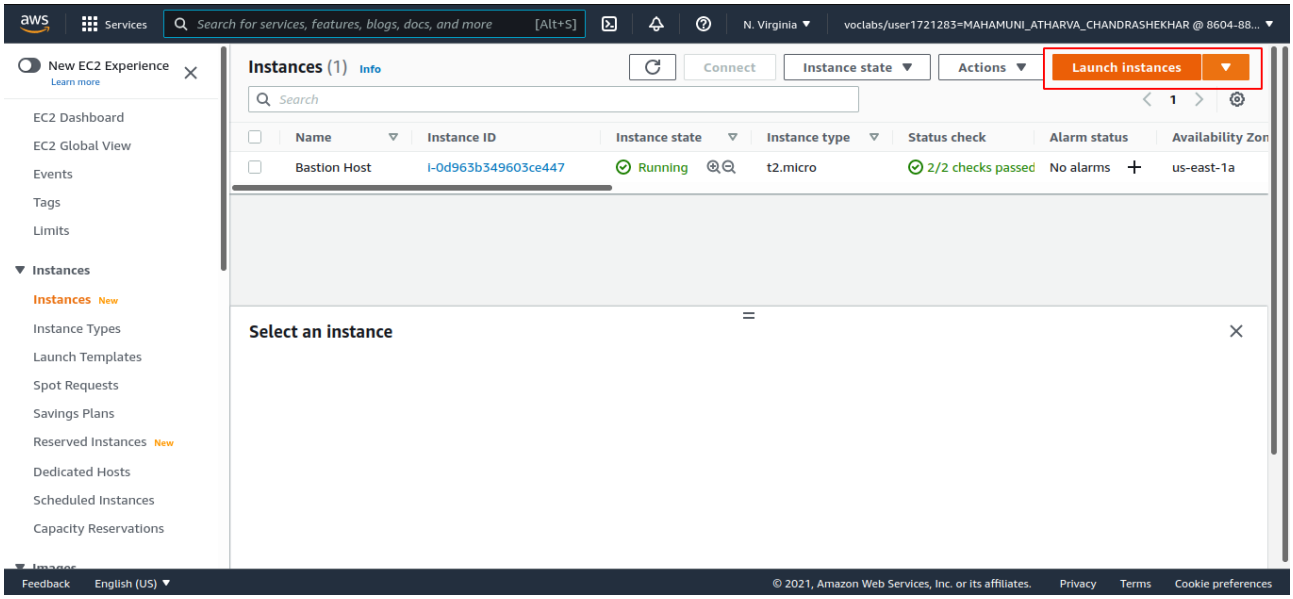
Step 3: Now choose AWS
This will open the AWS Management Console in a new browser tab. The system will automatically log you in.



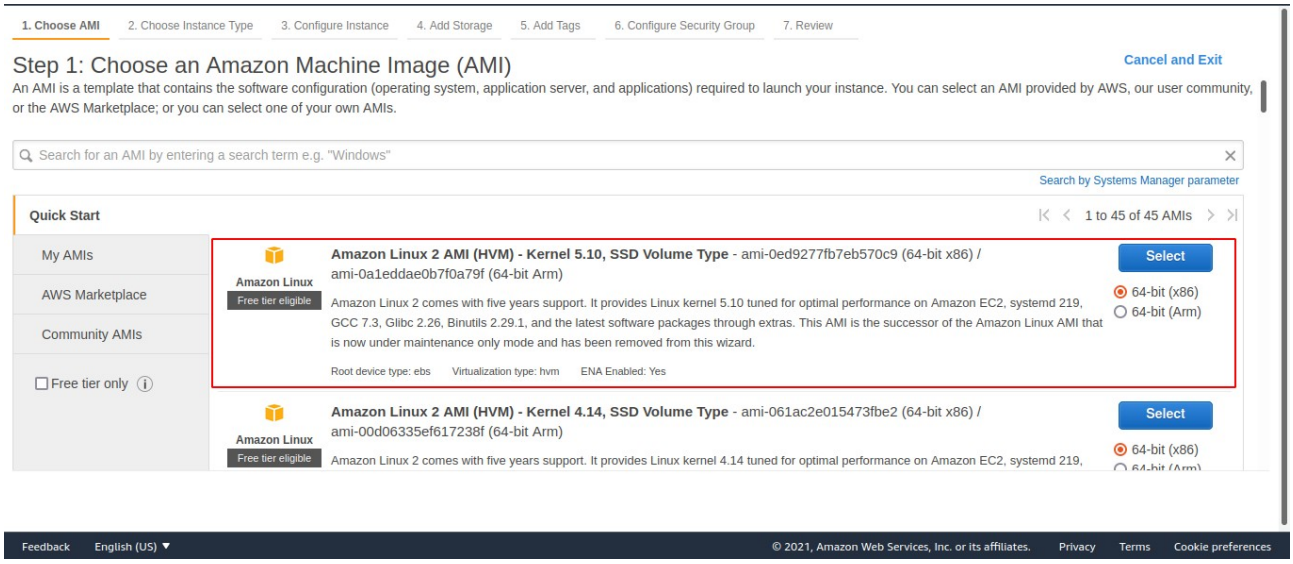
Step 4: In the **AWS Management Console** on the **Services** menu, choose **EC2**.



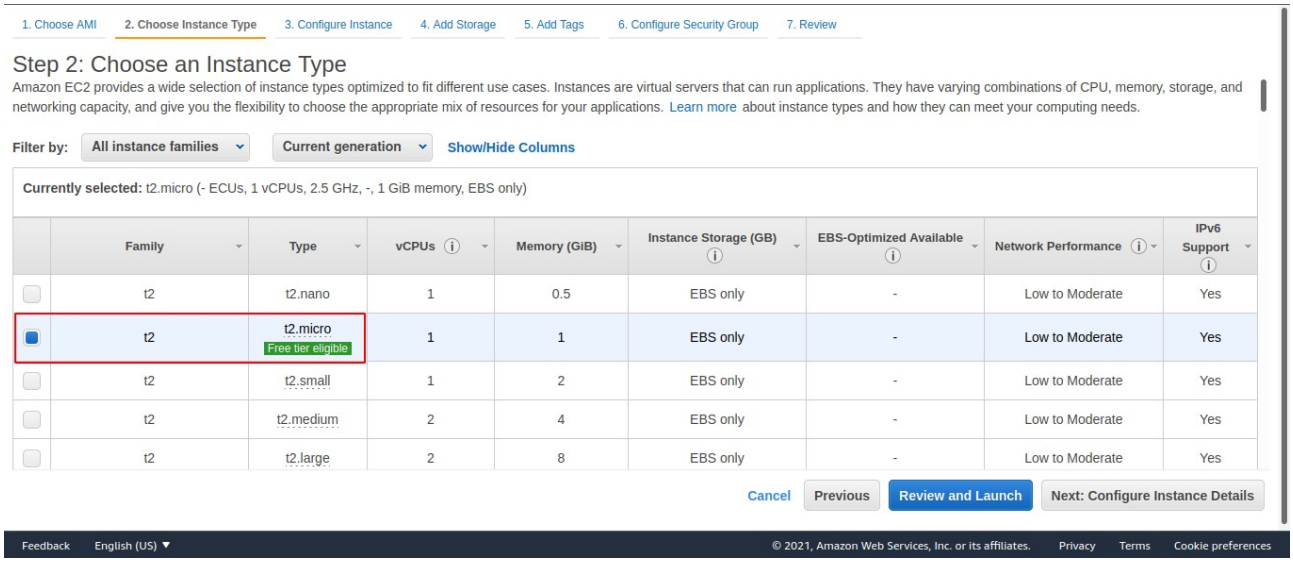
Step 5: Choose **Launch instance** , then select Launch Instance.



Step 6: Choose an Amazon Machine Image (AMI), select **Amazon Linux 2 AMI (HVM)**



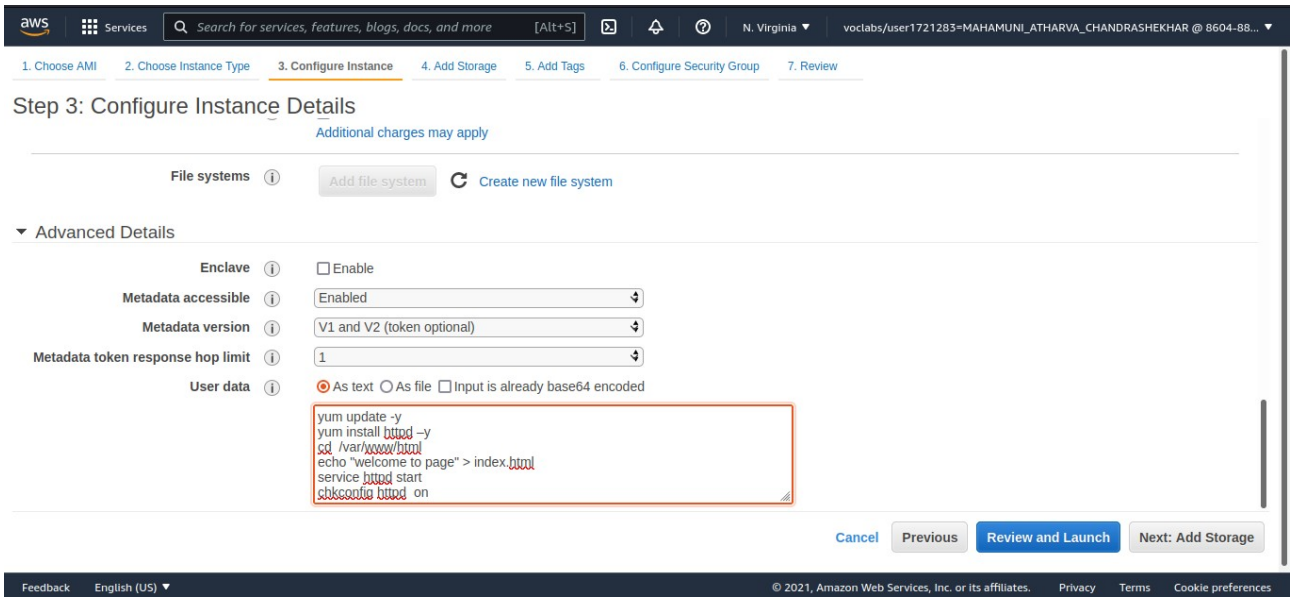
Step 7: Choose an **Instance Type**, select **t2.micro**



Choose Next**: Configure Instance Details**

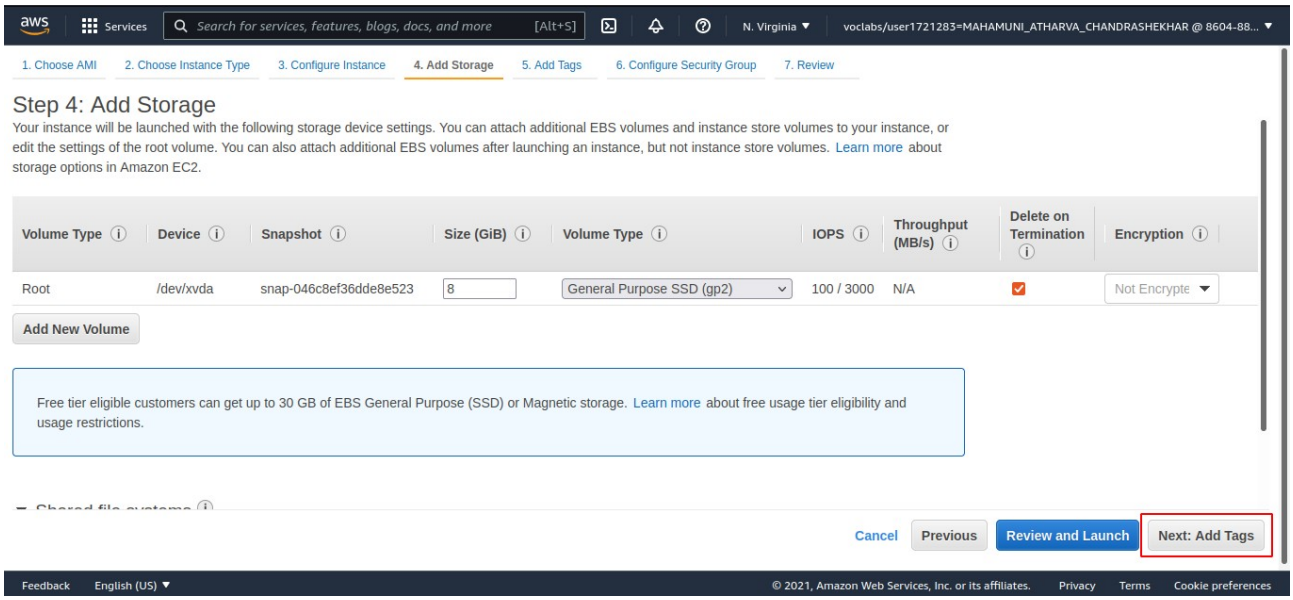
Step 8**: Configure Instance Details**
At the bottom of this tab, in the **user data** field, enter the commands to install httpd webserver and create a file called ‘index.html’ and echo “Welcome to page”.
This script willl execute using root privilages once the instance is created

```
yum update -y
yum install httpd –y
cd  /var/www/html
echo "welcome to page" > index.html
service httpd start
chkconfig httpd  on
```



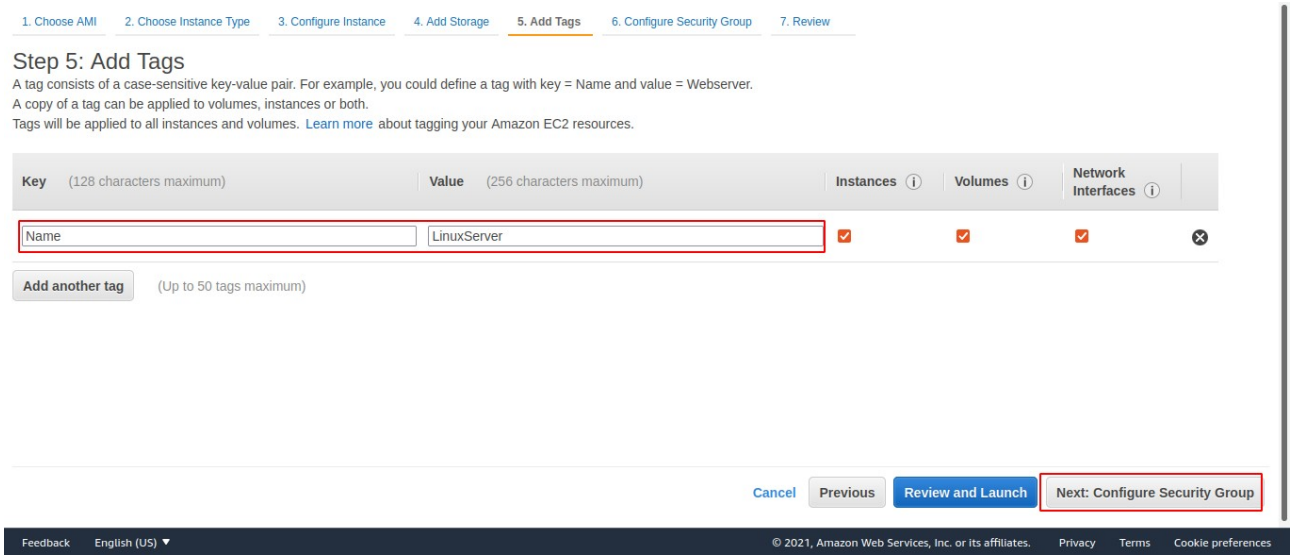
Choose Next**: Add Storage**

Step 9**: Select defualt Storage**



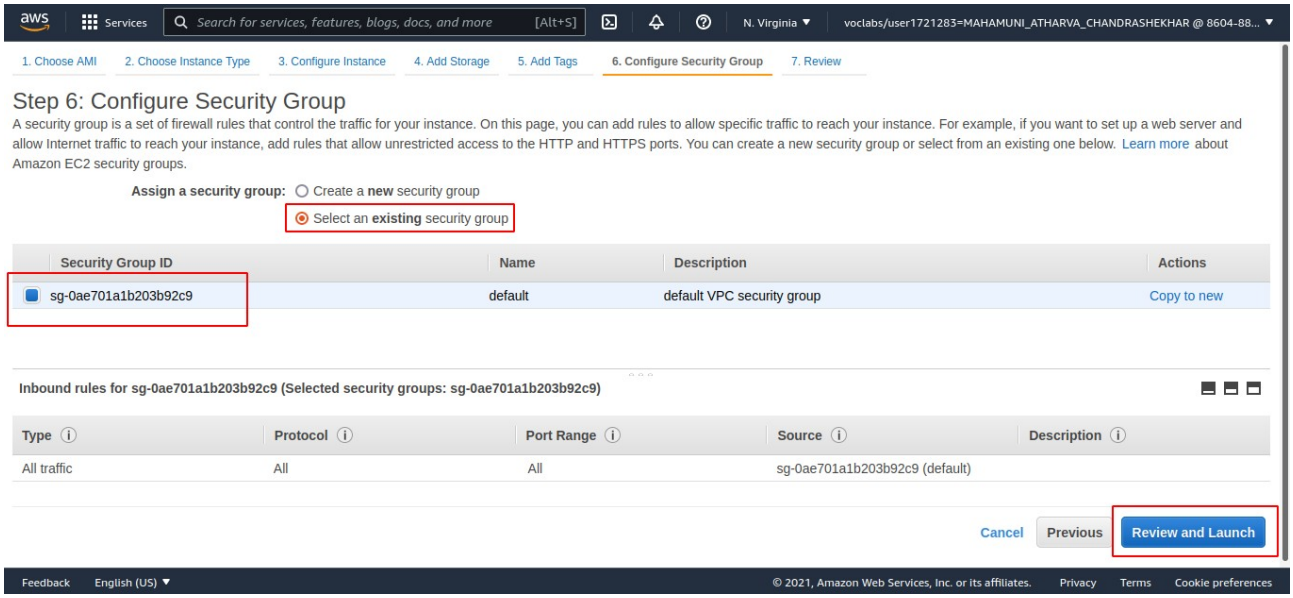
Choose Next**: Add Tags**

Step 10: Choose **Add Tag** then configure (key: value):



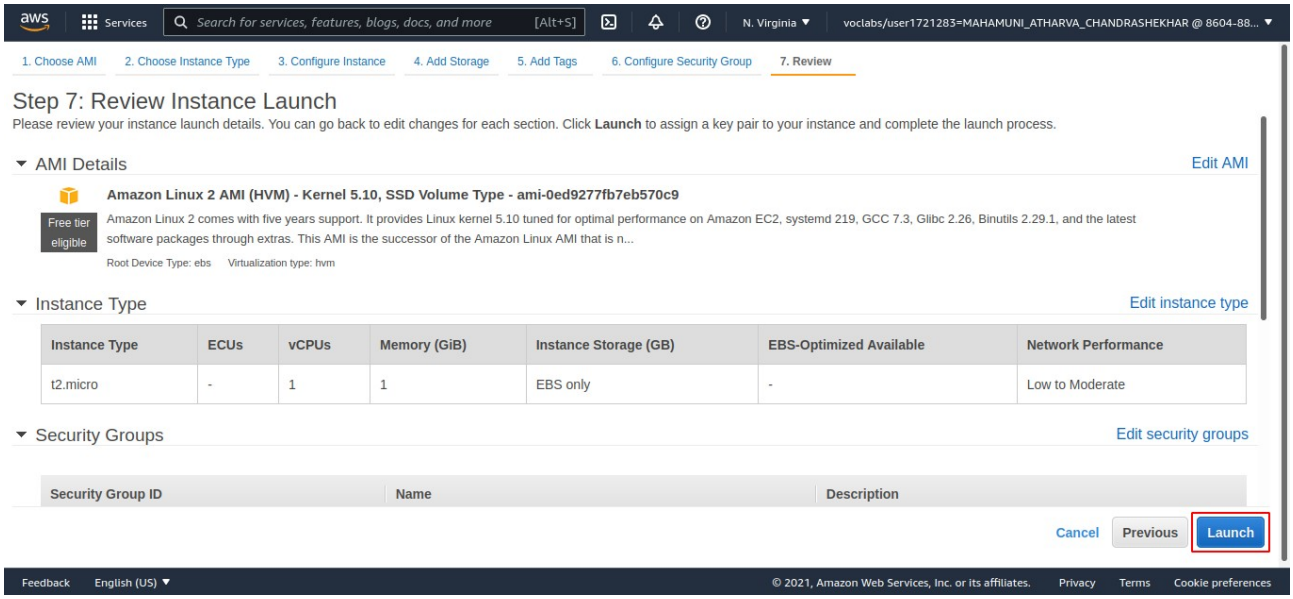
Choose Next**: Configure Security Group**

Step 11: Select a **security group**, either an existing one or create a new group.

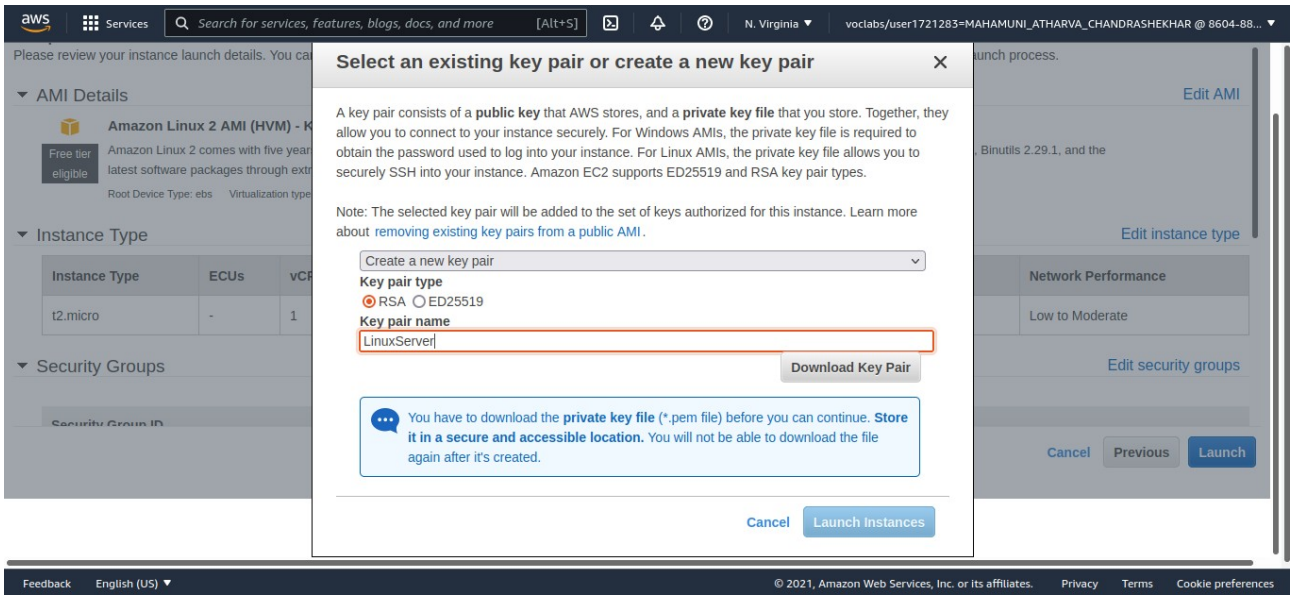


Choose **Review and Launch**

Step 12: **Choose Launch**

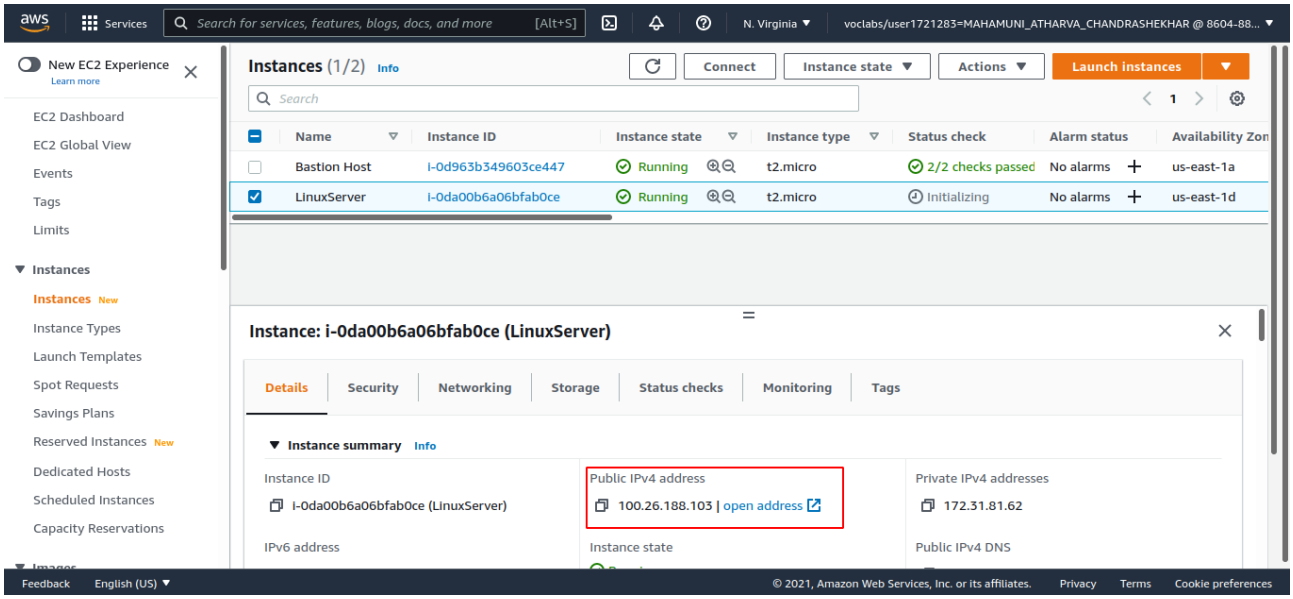


Step 13: A box will appear then select **Create a new key pair**.



Give it a name and select **Download Key Pair**
Select **Launch Instances.**

Step 14: Review launch status and choose **view instances,** select your instance and click on open address.



You should see your webpage running on your webserver.