Amazon Web Services

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Launching Instances (Tasks)

INTRODUCTION

AWS provides cloud computing platforms and API's to individuals and companies on pay-as-you-go basis.

It offers reliable, scalable and inexpensive cloud services.

INSTANCES

An instance is a virtual server in AWS cloud. Through EC2, we can set up and configure the OS & applications that run on your instance.

TASK GIVEN

You work for XYZ Corporation. Your corporation wants to launch a new web-based application using AWS Virtual Machines. Configure the resources accordingly for the tasks.

Tasks To Be Performed:

1. Create an instance in the US-East-1 (N. Virginia) region with an Ubuntu OS

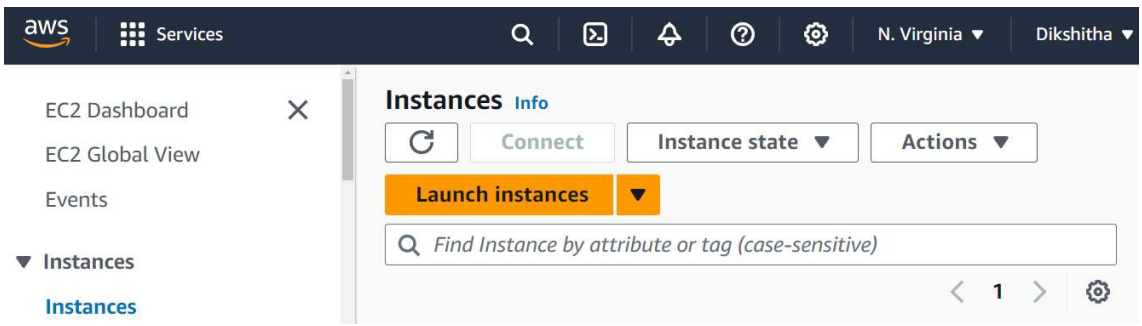
2. Create an instance in the US WEST (OREGON) region with an Amazon LINUX

3. Create an instance in the ASIA PACIFIC (TOKYO) region with an REDHAT LINUX

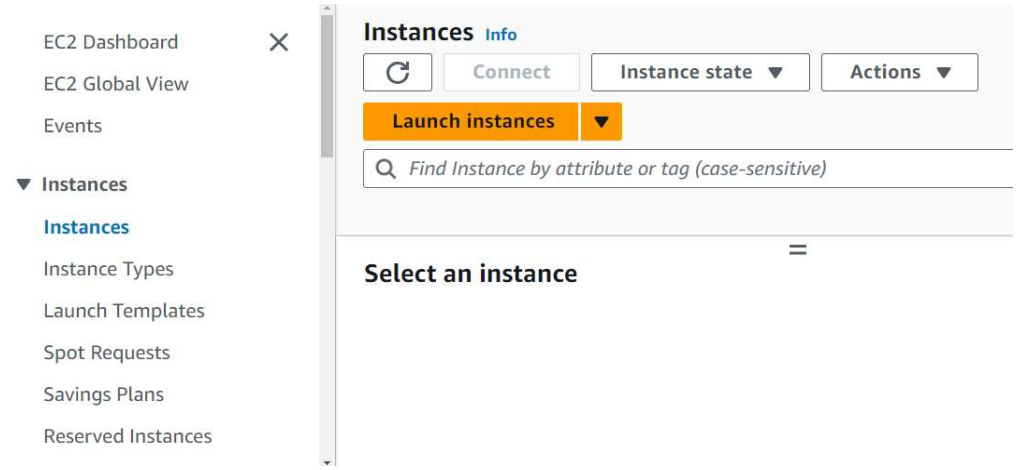
TASK 1:

Create an instance in the US-East-1 (N. Virginia) region with an Ubuntu OS

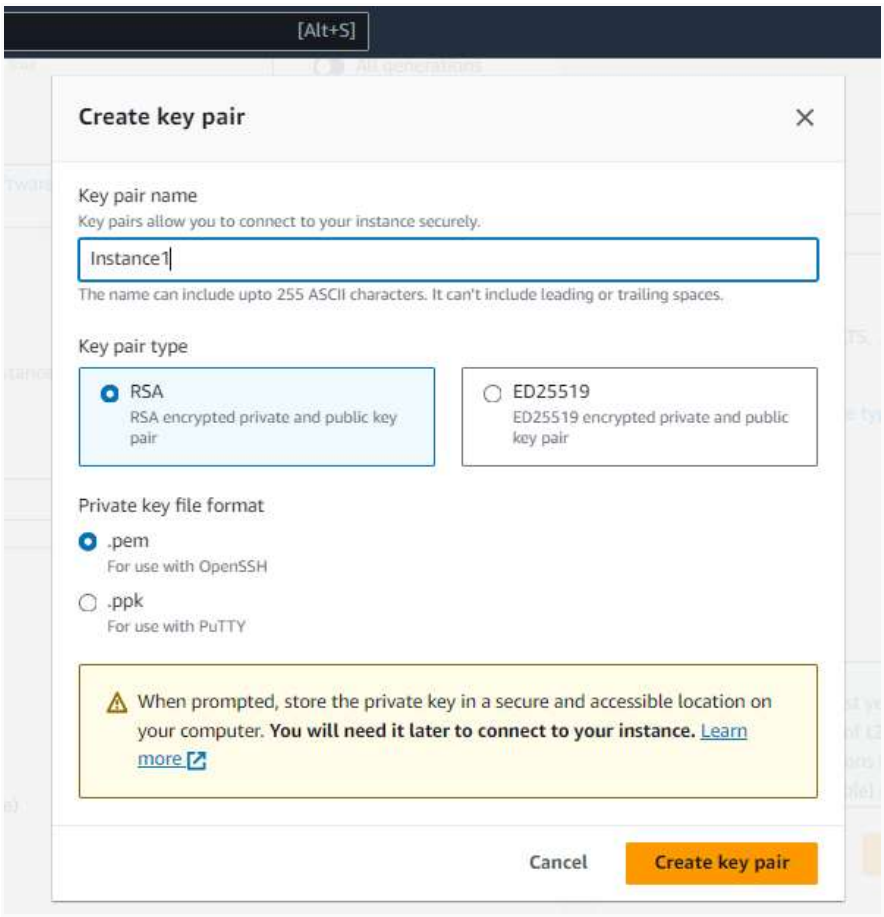
1. Login in the AWS account and then redirect to the EC2 dashboard.
2. Select the region in which we need to create the instance. Here I'm selecting the region US-East-1 (N. Virginia).



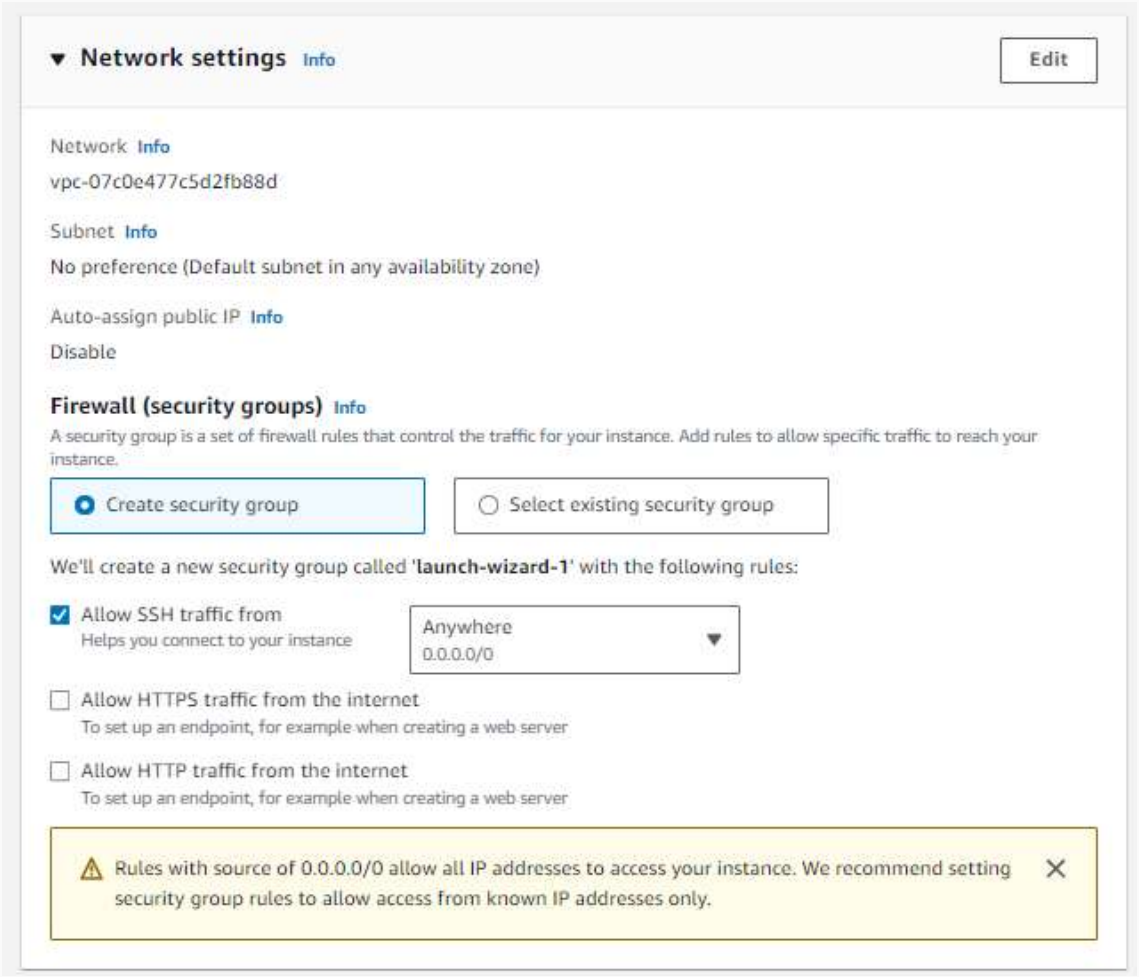
3. We can find the Instances tab on the left menu, tap on it and then tap on “Launch Instances”.



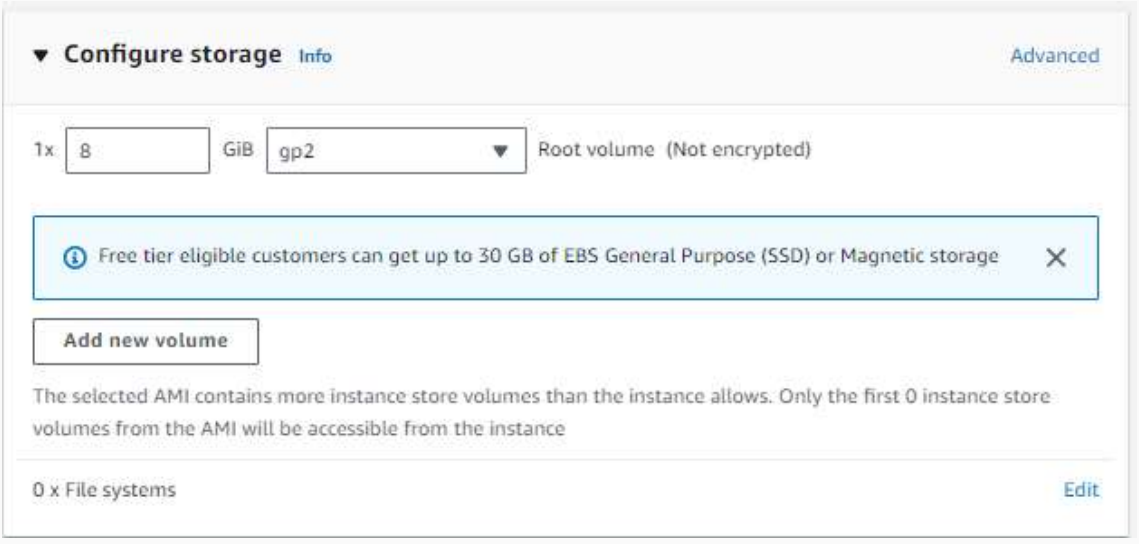
4. Give a name to the instance, select the Application and OS Images (Amazon Machine Image) and instance type (I selected t2.micro).
5. Next comes the Key pair. If we have already created key pair values then we can select them if not we need to create the new key pair.



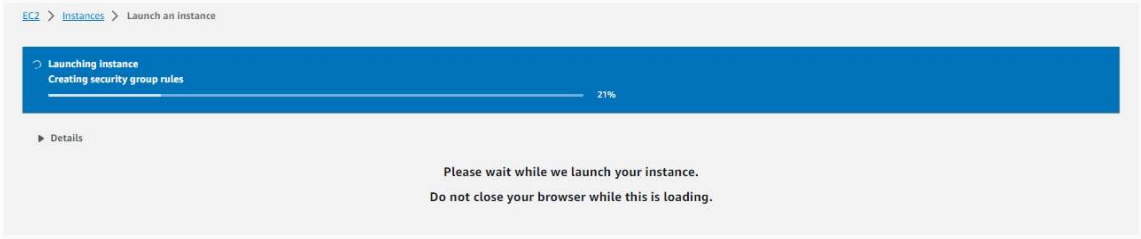
6. Next is about the network settings. If we allow SSH traffic then it means it is available at port 22.

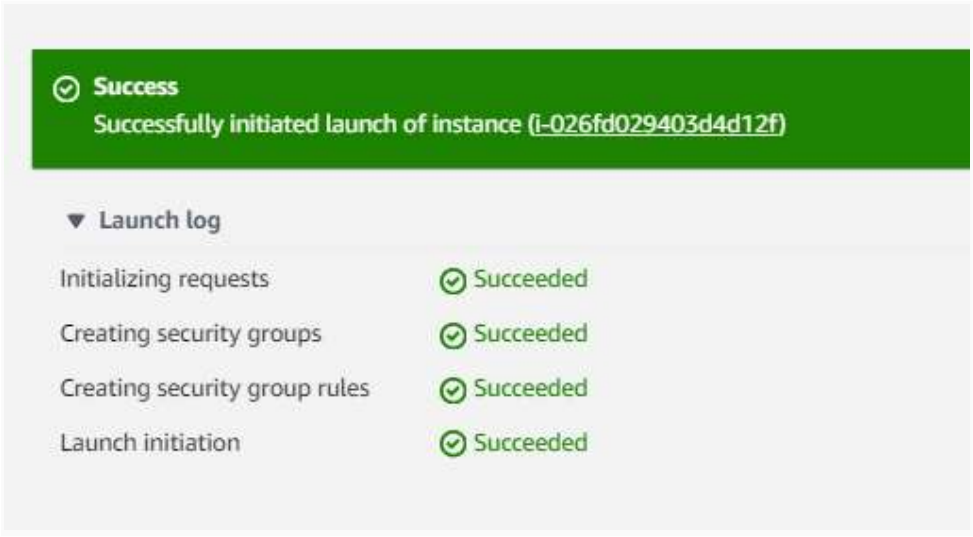


7. The further step is about the storage configuration. We can select it according to our needs.



8. Once everything is done, click on launch instance.

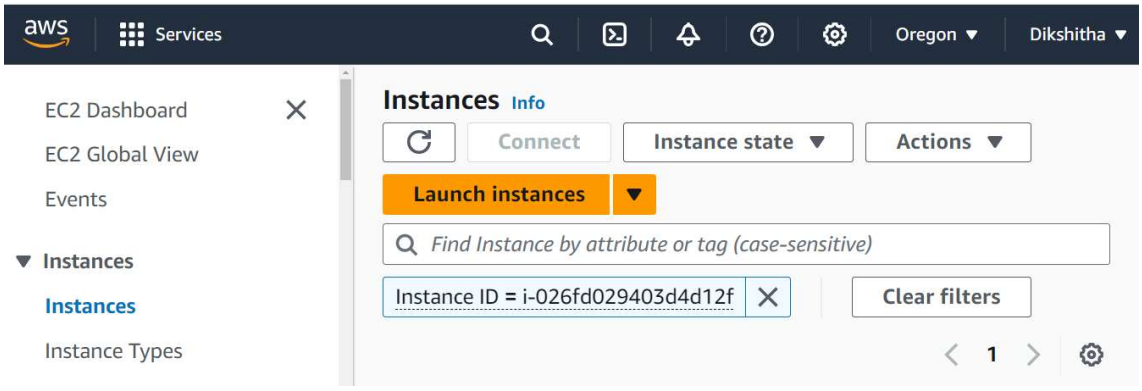




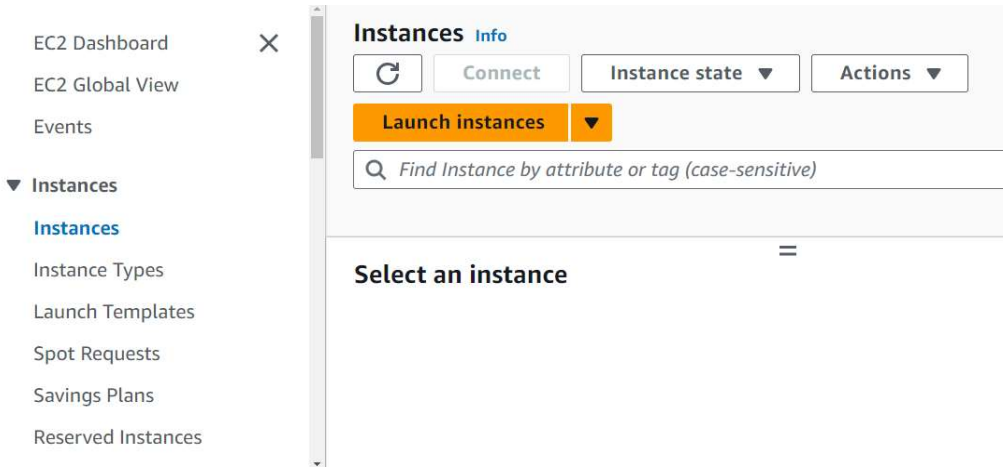
TASK 2:

Create an instance in the US WEST (OREGON) region with an Amazon LINUX

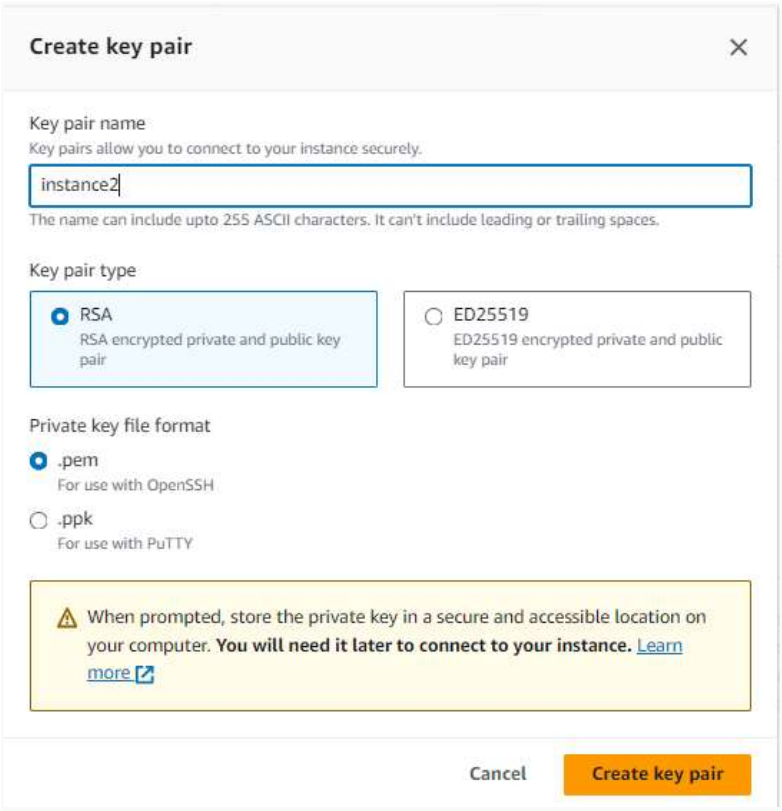
1. Login in the AWS account and then redirect to the EC2 dashboard.
2. Select the region in which we need to create the instance. Here I'm selecting the region US WEST (OREGON).



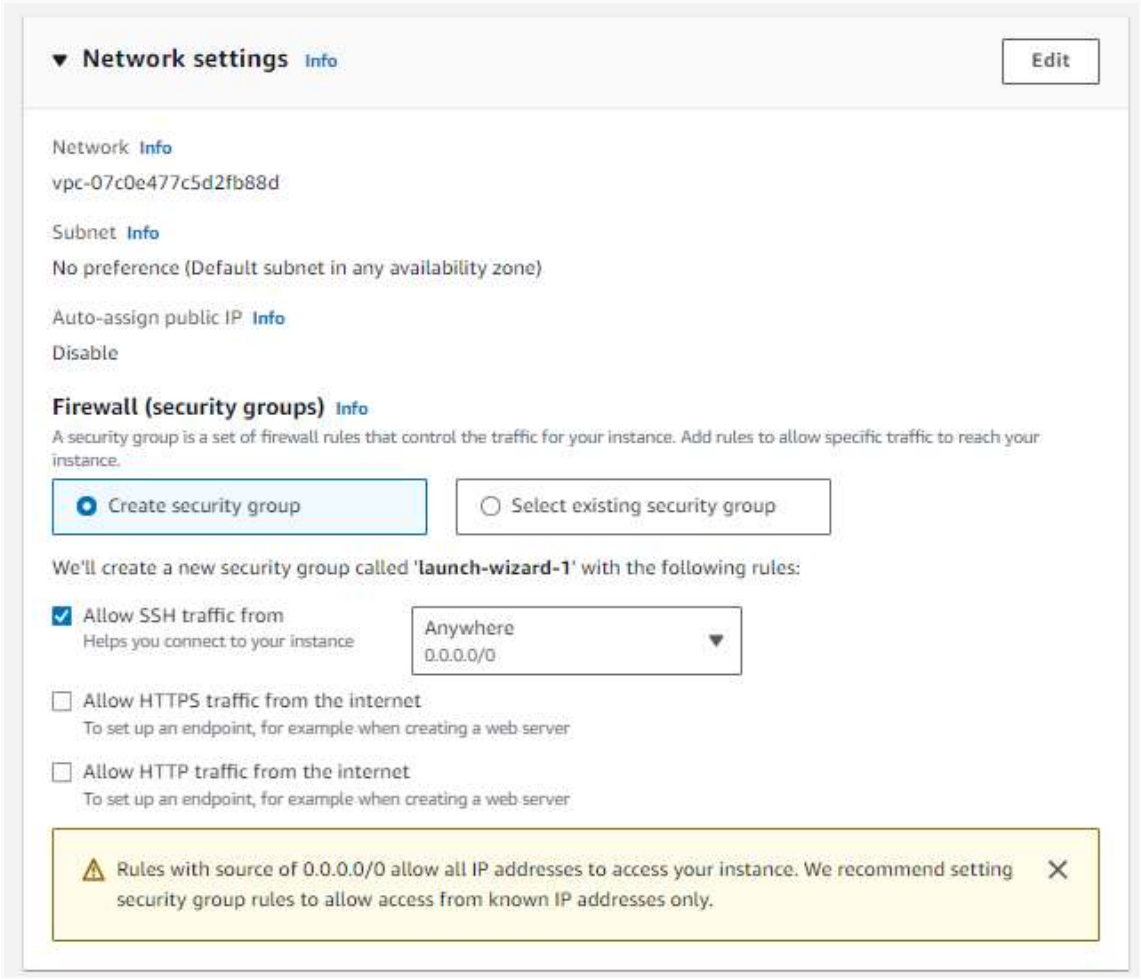
3. We can find the Instances tab on the left menu, tap on it and then tap on “Launch Instances”.



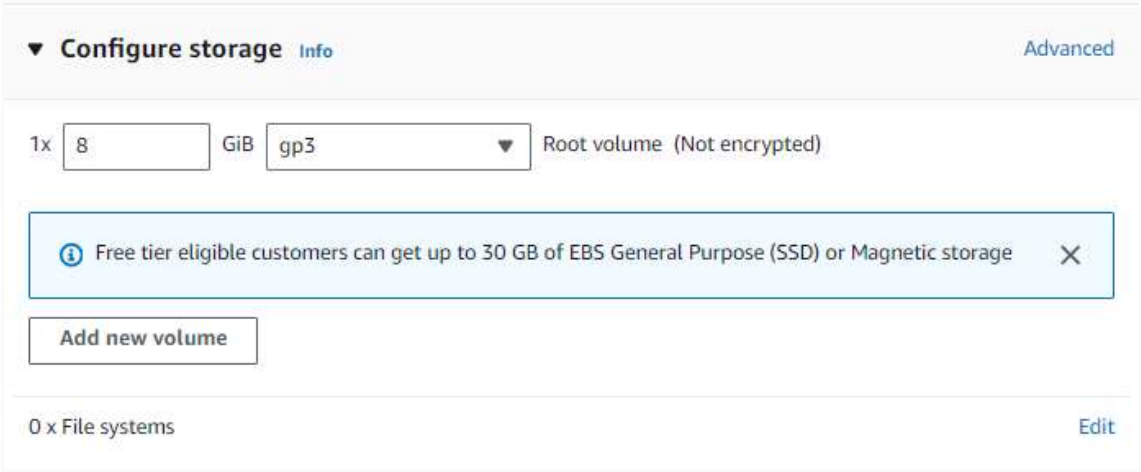
4. Give a name to the instance, select the Application and OS Images (Amazon Machine Image) and instance type (I selected t2.micro).
5. Next comes the Key pair. If we have already created key pair values then we can select them if not we need to create the new key pair.



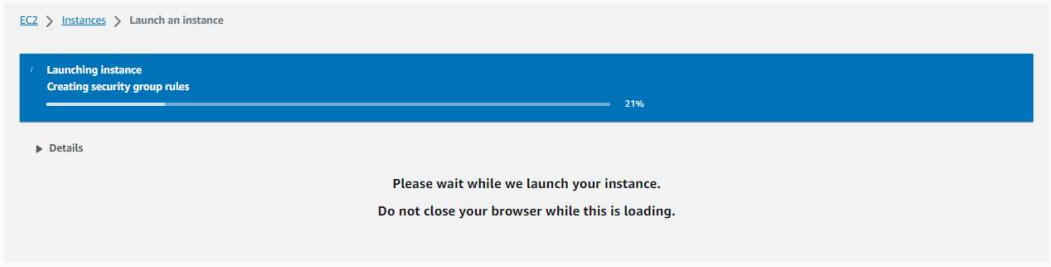
6. Next is about the network settings. If we allow SSH traffic then it means it is available at port 22.

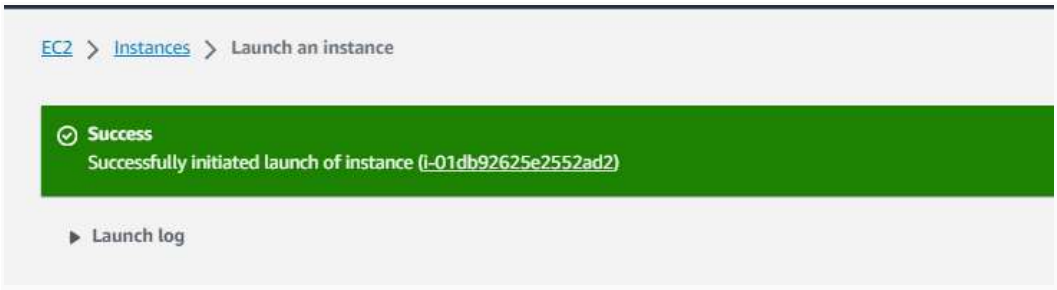


7. The further step is about the storage configuration. We can select it according to our needs.



8. Once everything is done, click on launch instance.

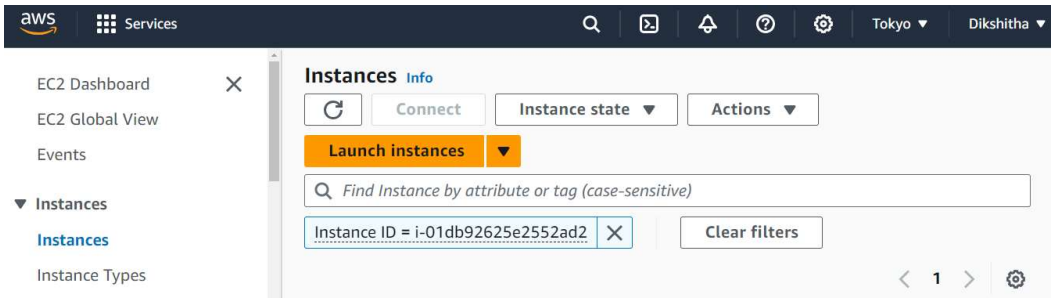




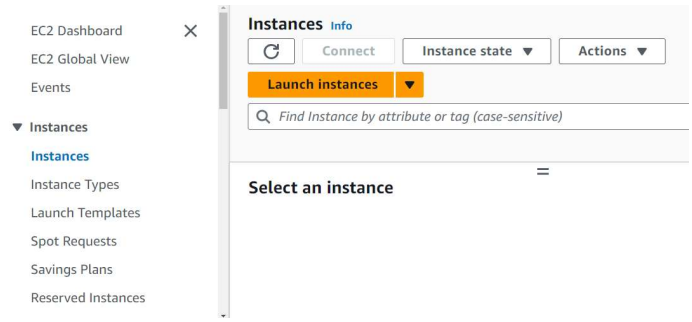
TASK 3:

Create an instance in the ASIA PACIFIC (TOKYO) region with an REDHAT LINUX

1. Login in the AWS account and then redirect to the EC2 dashboard.
2. Select the region in which we need to create the instance. Here I'm selecting the region ASIA PACIFIC (TOKYO).

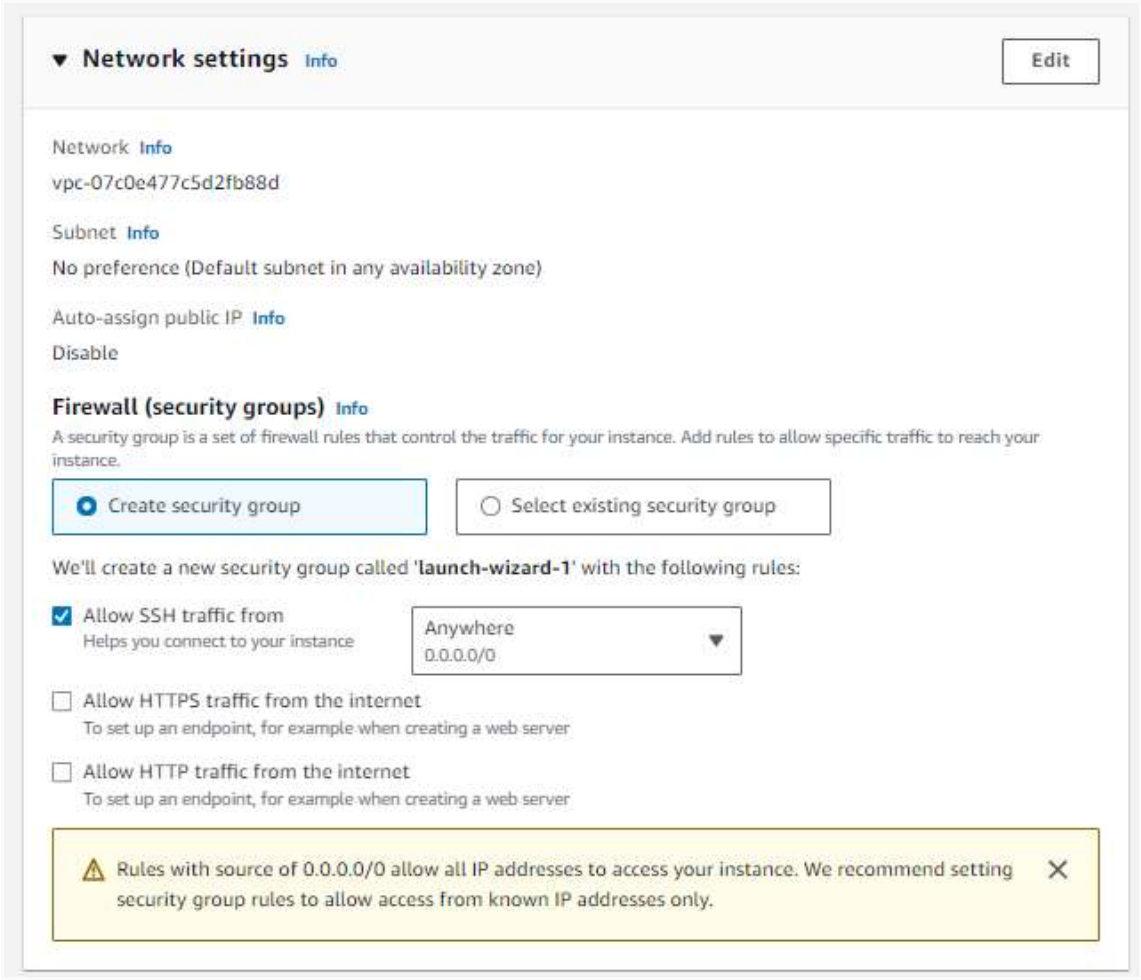


3. We can find the Instances tab on the left menu, tap on it and then tap on “Launch Instances”.

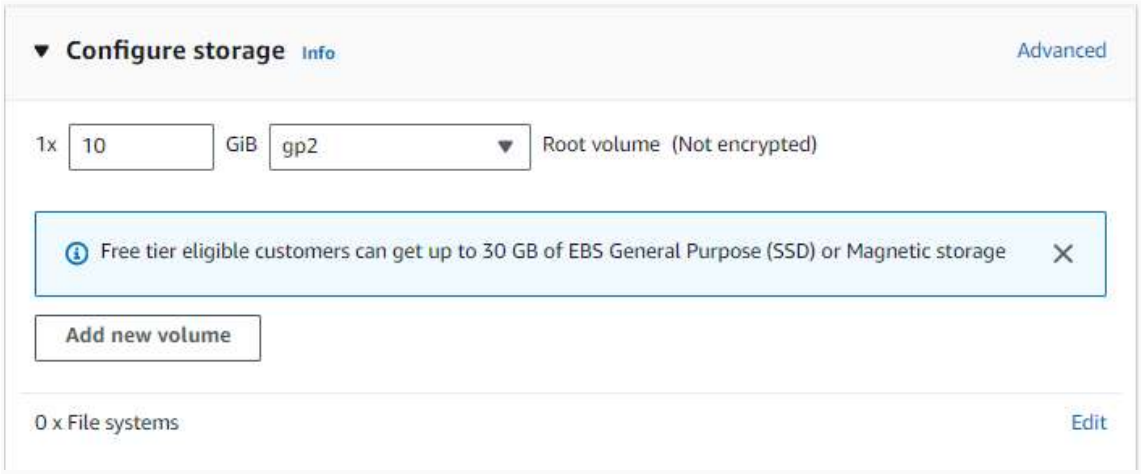


4. Give a name to the instance, select the Application and OS Images (Amazon Machine Image) and instance type (I selected t2.micro).
5. Next comes the Key pair. If we have already created key pair values then we can select them if not we need to create the new key pair.

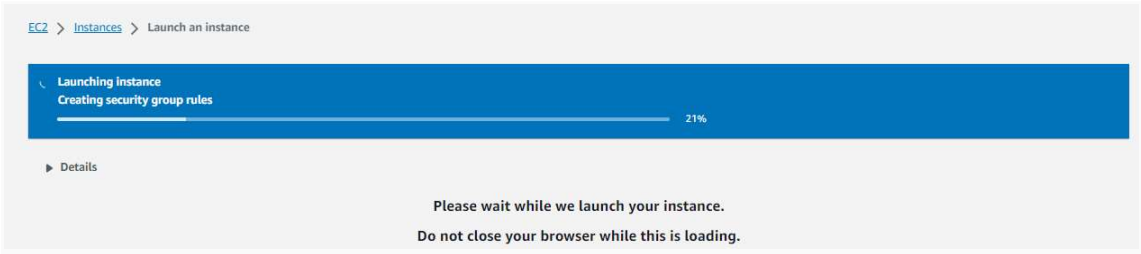
6. Next is about the network settings. If we allow SSH traffic then it means it is available at port 22.



7. The further step is about the storage configuration. We can select it according to our needs.



8. Once everything is done, click on launch instance.



CONCLUSION:

The three tasks to launch instances in different regions with different operating systems has completed.