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How to Create a Ubuntu 20.04 Server on AWS EC2 (Elastic Cloud Computing)

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Here , we will learn about how to create a **Ubuntu 20.04 LTS** server on AWS EC2 .
All of this is Free tier eligible :
1. The Amazon **EC2 Free Tier** is available to you for **12 months** .
2. **750 hrs** per month of Amazon EC2 in a Single-AZ db.t2.micro Instance.

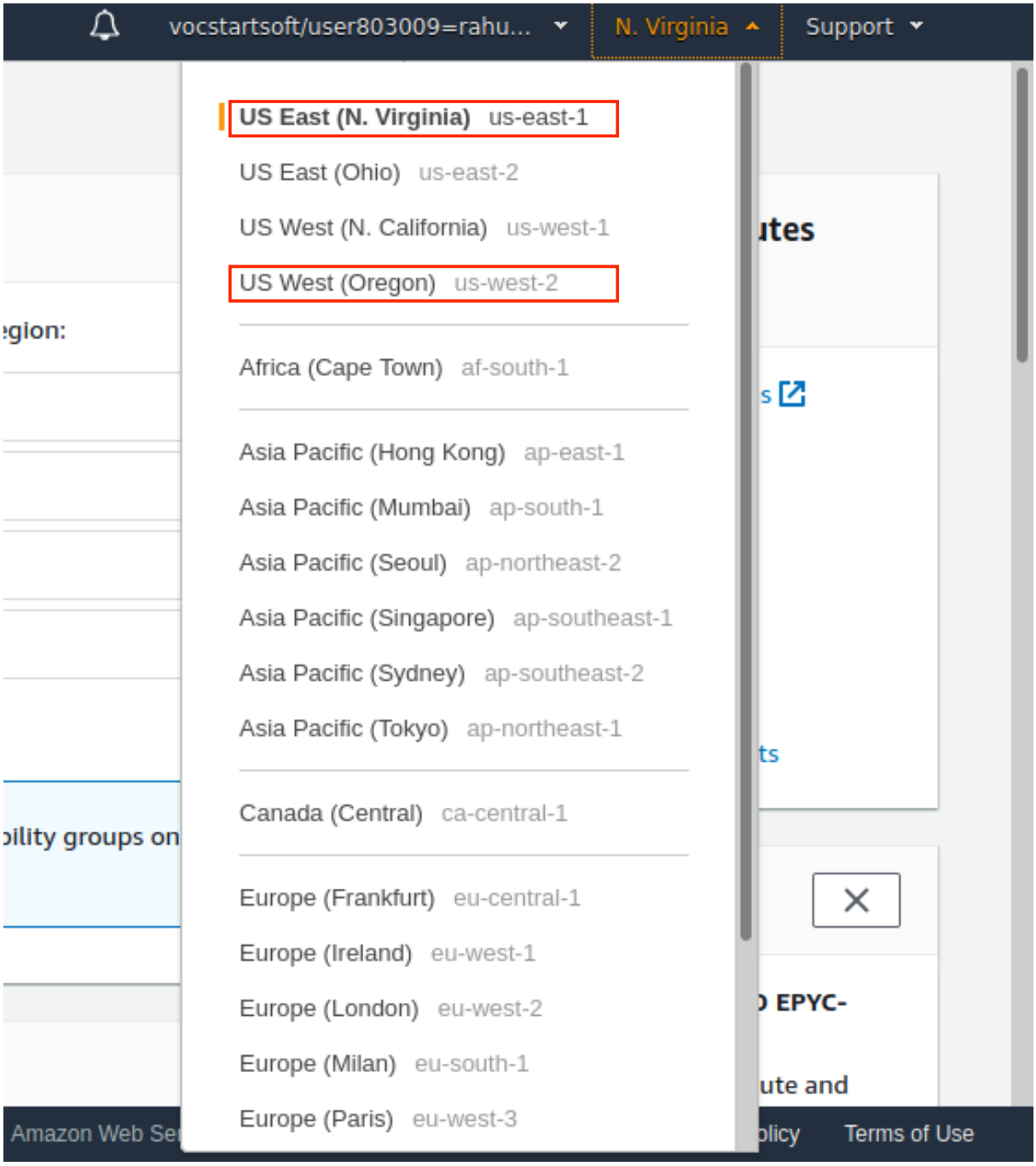
Prerequisites
Create a AWS Account .

Steps To Create a Ubuntu Instance

1. Login with your AWS Account and go to **console.**

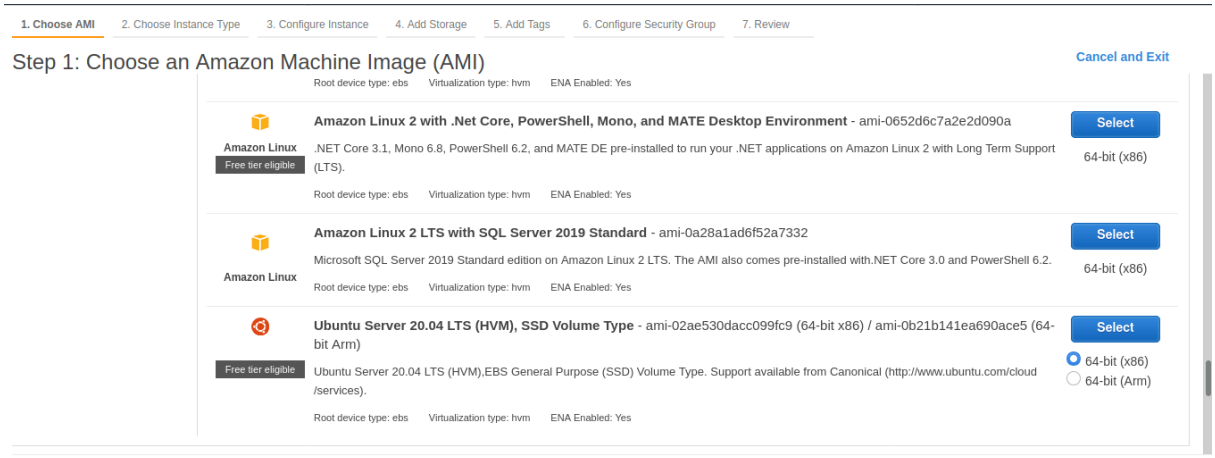
2. Search for **EC2** in Services and Go to EC2 .

3. (optional) In the top right corner of the Amazon EC2 , select the ***Region*** in which you want to create the EC2 instance .

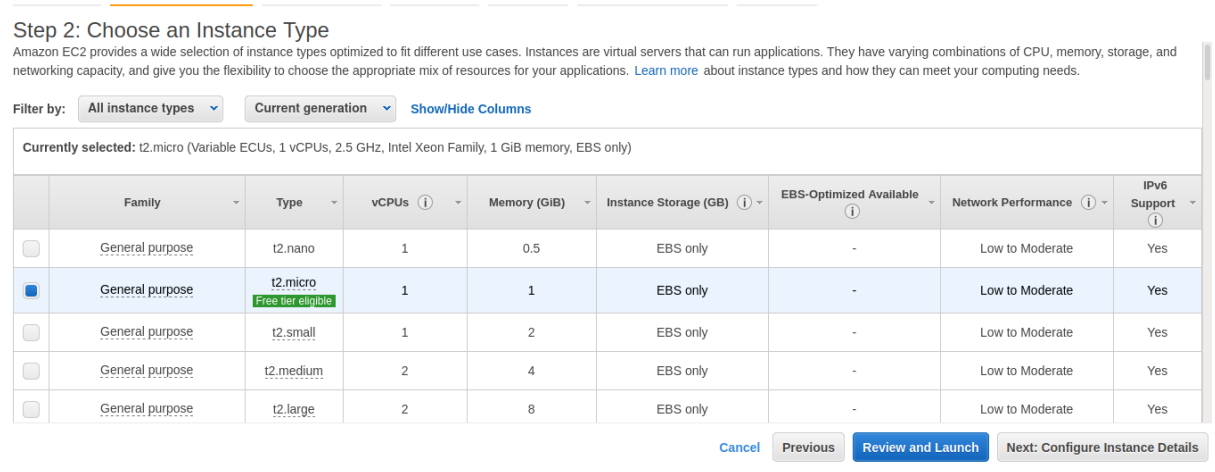


4. Click on **Launch** Instance On **EC2 Dashboard**

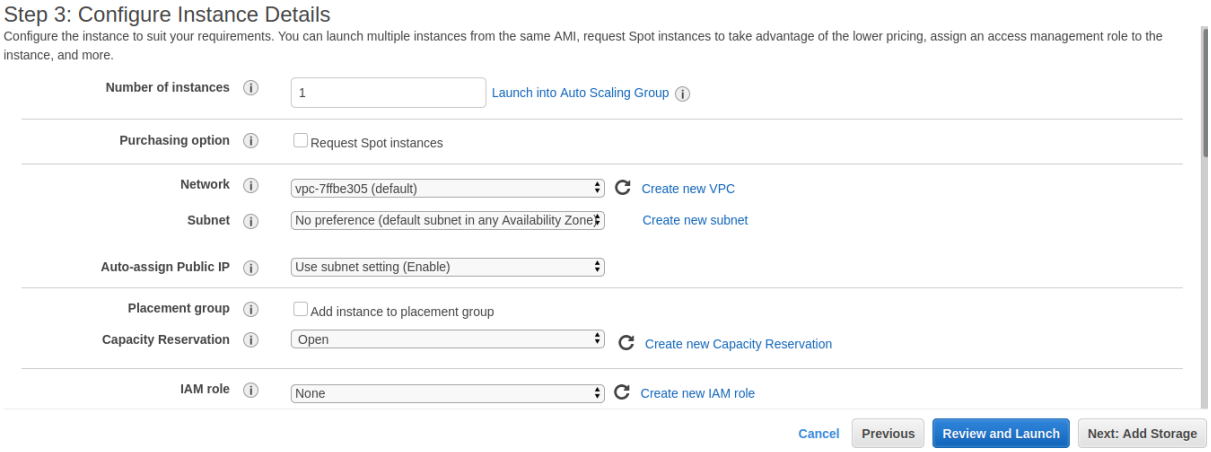
5. Choose **AMI** (Amazon Machine Image) i.e Select **Ubuntu 20.04 LTS** .



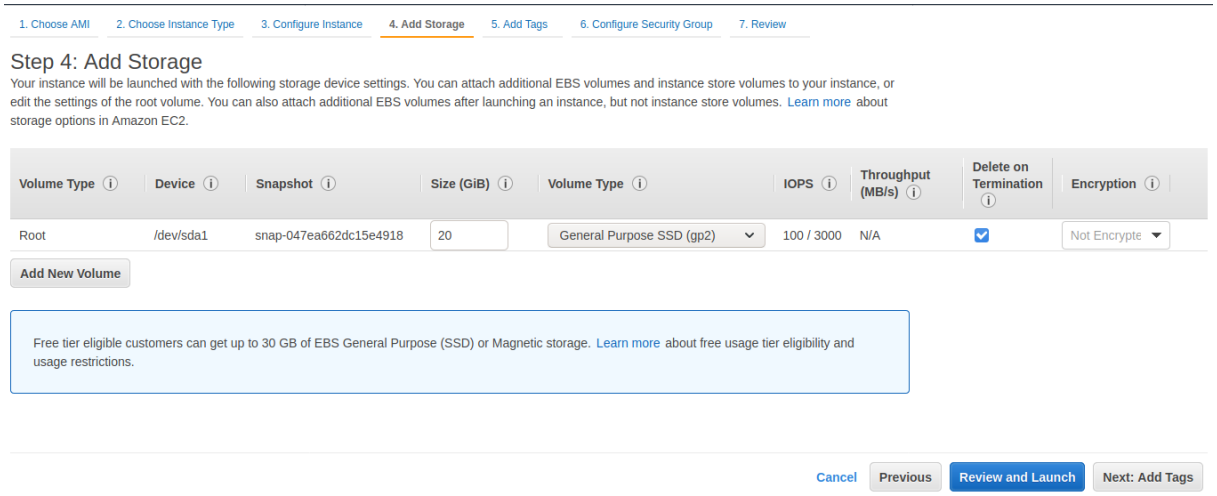
6. Choose and Instance Type in this Case we will choose **General purpose t2.micro**. Because that is **Free Tier Eligible** . Now click On Next : Configure Instance Details .



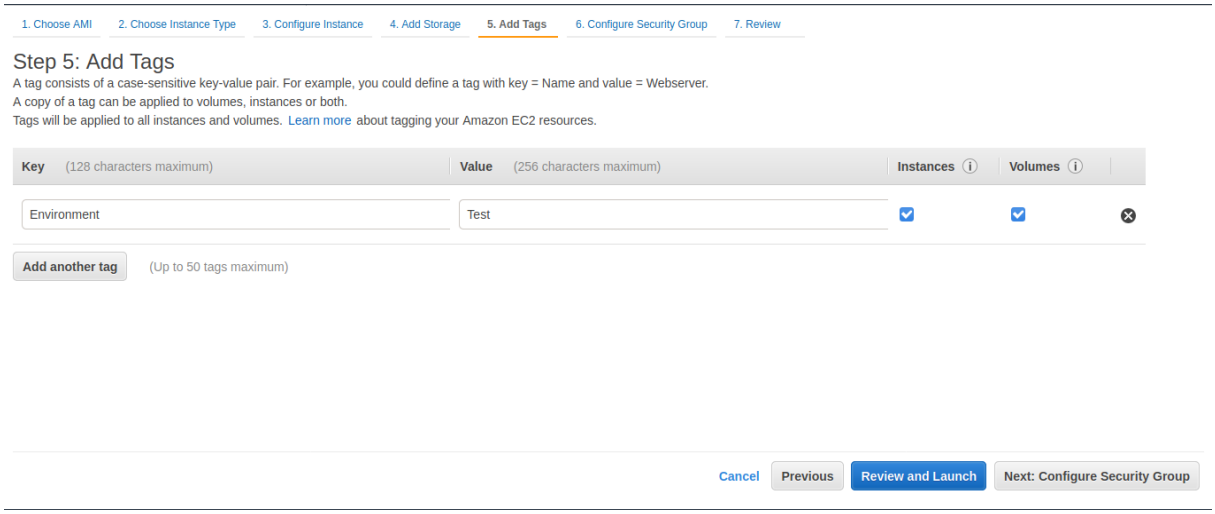
7. (optional) Configure Instance. In this we can specify the No. of instances and User Roles for those instances by specifying **IAM Role** .



8. Add Storage : In this we can change the **size** for our EC2 Instance . Free Tier is Eligible upto **30GB of Storage** .



9. (Optional) Add Tags : We can add Some tags to specify the Instance Type here .

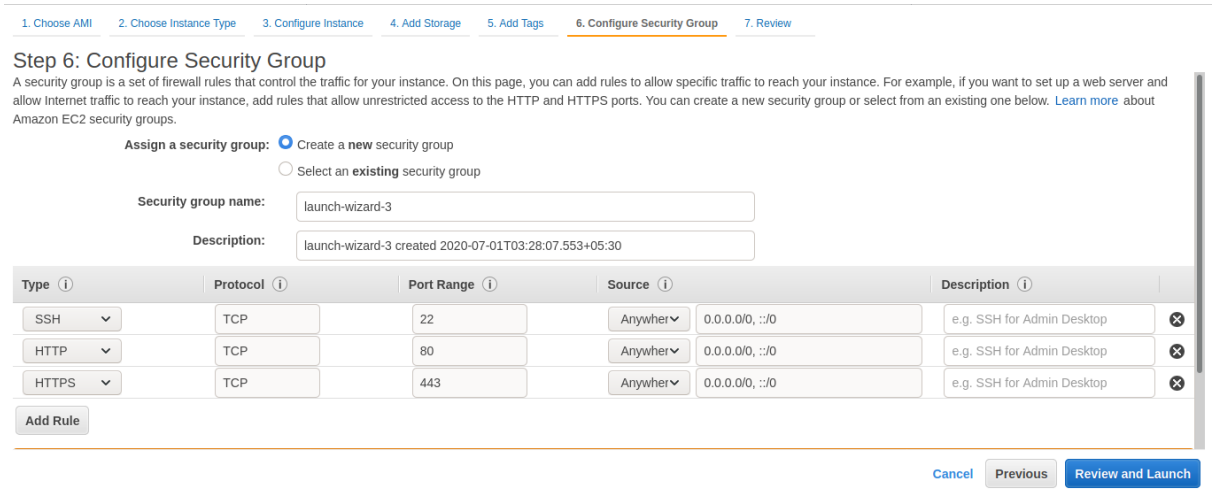


10. Configure **Security Group**

Here we will create a **new** Security Group in which we will specify which **Ports** will be Open for EC2 instance .

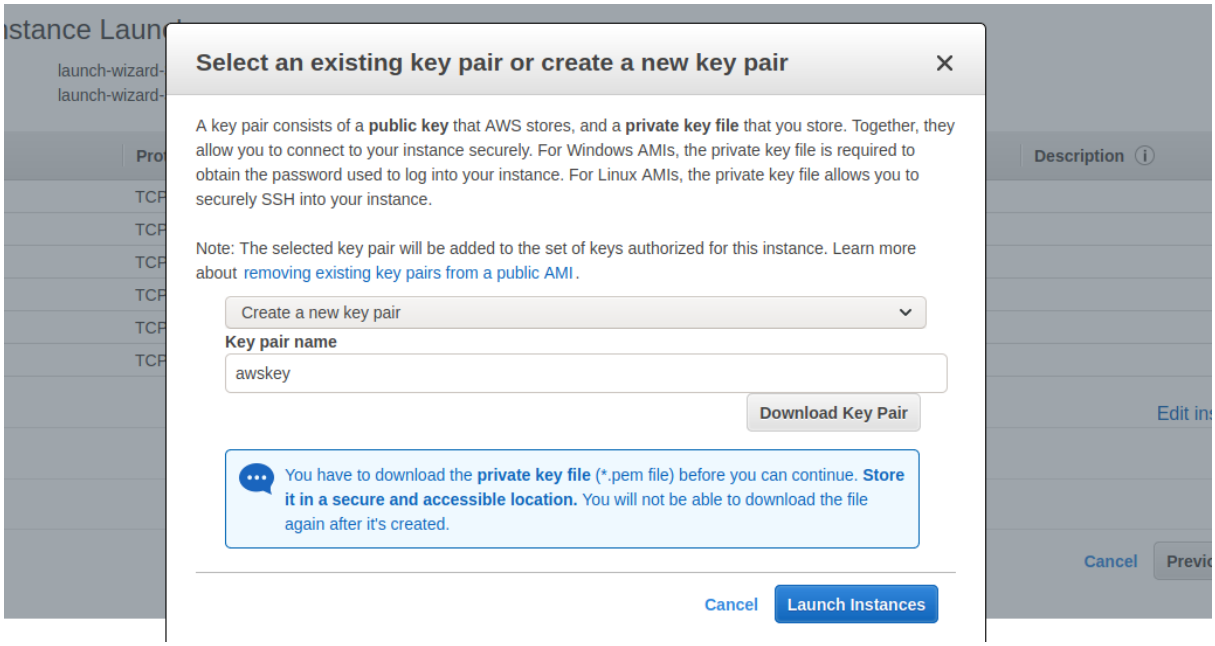
We will add **HTTP** , **HTTPS** and **SSH** Port for our EC2 Instance. HTTP and HTTPS to allow web request from anywhere in the world to our instance . And SSH to **Connect** to our EC2 Instance from **Local Machine** .

```
HTTP   80   Anywhere
HTTPS  443  Anywhere
SSH    20   Anywhere or Custom
```

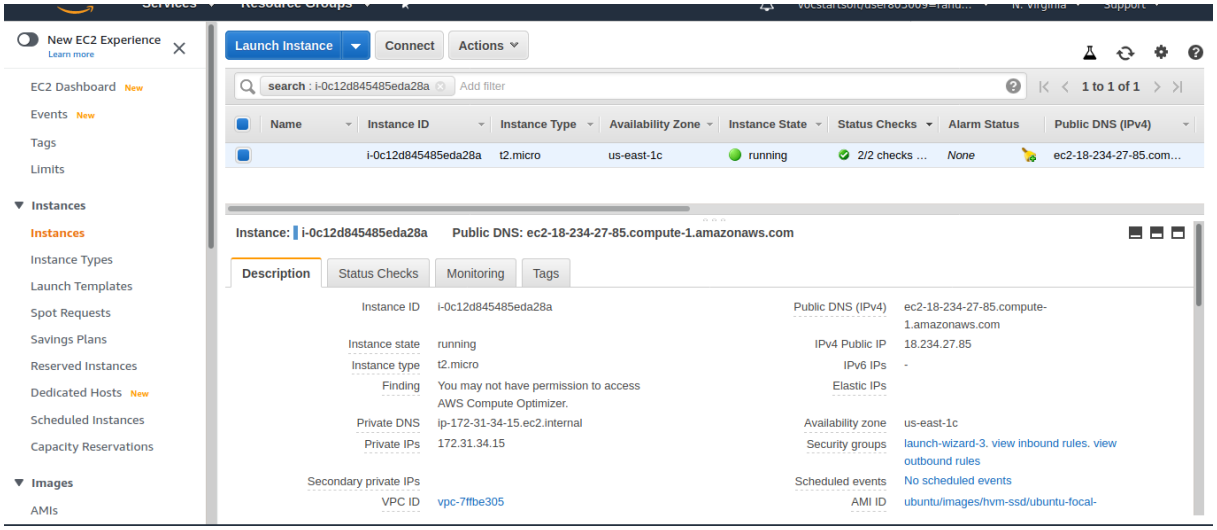


11 . **Review** and **Launch** Instance

12 . Create a **key pair** to **connect** to our EC2 instance from local machine. **Download** the Key Pair and keep it **Safely**. It will be used to connect to EC2 instance **Later** .



13 . Click on **Launch Instance.**



*Your EC2 Instance is **Ready** to use. Please wait for while until **Instance State** change to **running** and **status check** is **done** . Now ,*

***Connect** to your EC2 Instance from your Local Machine (**Window / Ubuntu**)*