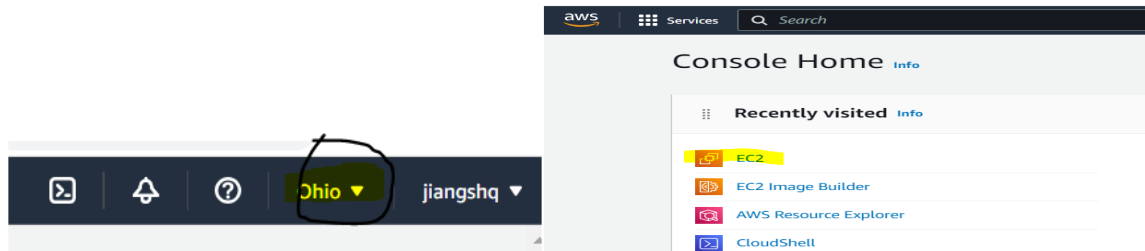


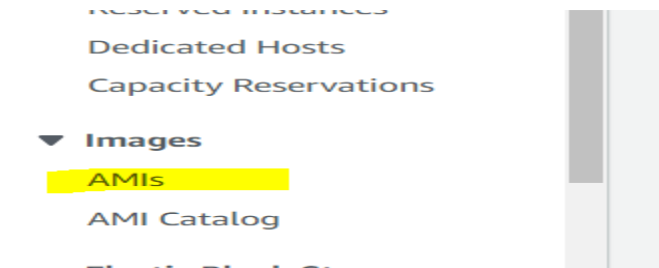
Set Up SEEDLAB on Amazon cloud

The SEEDLAB for cloud setup can be done following <https://seedsecuritylabs.org/labsetup.html>. But it requires you to install the package by running a script. For your convenience, I create an image on Amazon cloud with the package installed. So you can run this image every time you work on SEEDLAB. So here we give a setup steps. Before we start, you need to create an account at <https://aws.amazon.com> and log in. You also need to install a **VNC viewer** (i.e., VNC client).

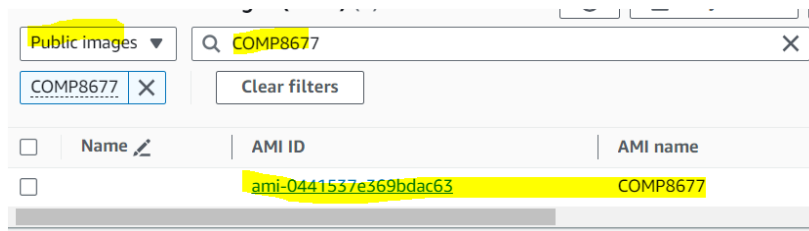
Step 1. Choose Ohio as your region and at Console home, choose EC2.



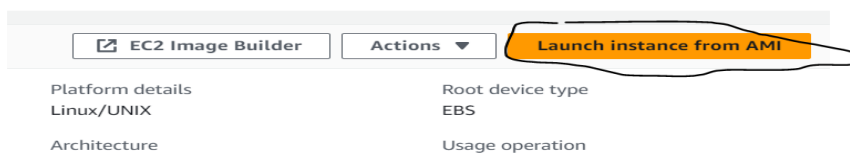
Step 2. Choose AMIs on the left menu:



Step 3. Search for COMP8677



Step 4. Click on the image ID and Launch instance:



Step 5. In the instance type, choose

▼ Instance type [Info](#)

Instance type

Instance type	Free tier eligible	Compare
t2.micro Family: t2 1 vCPU 1 GiB Memory On-Demand Linux pricing: 0.0116 USD per Hour On-Demand Windows pricing: 0.0162 USD per Hour	Free tier eligible	
t3.small Family: t3 2 vCPU 2 GiB Memory On-Demand Linux pricing: 0.0208 USD per Hour On-Demand Windows pricing: 0.0392 USD per Hour		

selected key pair

Step 6. For key pair type, click on **create new key pair** for the first time and give your key pair name:

and accessible location on your computer. You will need it later to connect to your instance. [Learn more](#)

Key pair name

Alice_Key_Pair

The name can include upto 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

PSA

This key pair will be used to secure the communication between you and the cloud.

Step 7. For the networking settings, click on **edit**:

▼ Network settings [Info](#)

Edit

Then, edit the network settings as follows. Here **181** just represents a random number.

Security group name - *required*

launch-wizard-135

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+=&:{}!\$*

Description - *required* [Info](#)

launch-wizard-135 created 2023-09-04T15:18:27.453Z

Inbound Security Group Rules

Also, **Add security group rule**:

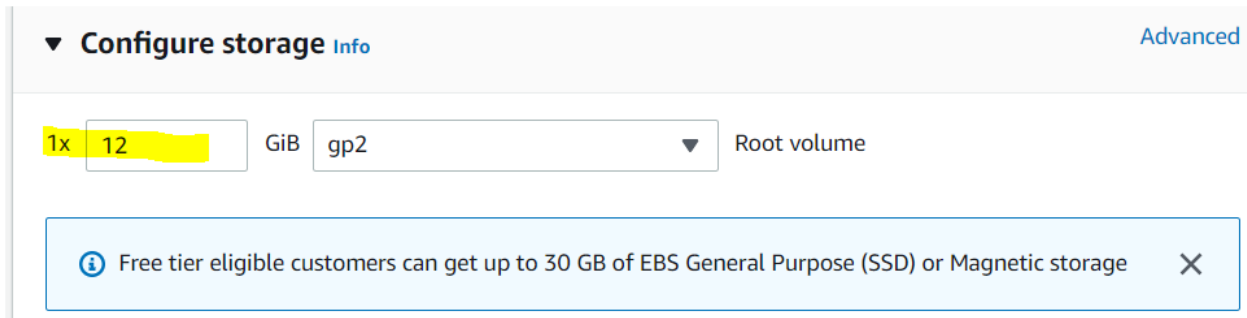
▼ Security group rule 1 (TCP, 22, 0.0.0.0/0, SSH) Remove

Type Info	Protocol Info	Port range Info
ssh	TCP	22
Source type Info	Source Info	Description - optional Info
Custom	0.0.0.0/0	SSH

▼ Security group rule 2 (TCP, 5901-5910, 0.0.0.0/0, VNC) Remove

Type Info	Protocol Info	Port range Info
Custom TCP	TCP	5901-5910
Source type Info	Source Info	Description - optional Info
Custom	0.0.0.0/0	VNC

Step 8. Configure storage to **12 G**:



Step 9. Launch instance and view all instances and select the instance and **connect**. Then, you should see the instance running.

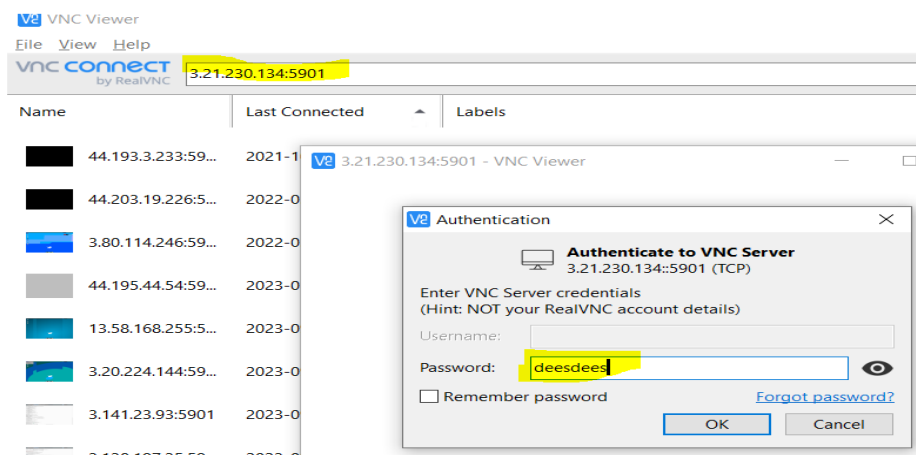
Step 10. You will see the shell under root account and run `$ vncserver -localhost no`

```
root@ip-172-31-24-201:~# vncserver -localhost no
New Xtigervnc server 'ip-172-31-24-201.us-east-2.compute.internal:1 (root)' on port 5901 for
Use xtigervncviewer -SecurityTypes VncAuth,TLSVnc -passwd /root/.vnc/passwd ip-172-31-24-201
root@ip-172-31-24-201:~#
```

i-0e5c49dfe64ada5bf
PublicIPs: 3.21.230.134 PrivateIPs: 172.31.24.201

The public IP and the port # 5901 (you might see different IP and port #) will be used for VNC viewer for connection below.

Step 11. Run VNC on your host OS.



The password is **deesdees**. Then you are done.

Reminder: every time when you finish your work, remember to stop or terminate the instance. Otherwise, it will keep running and you will be charged the running fee. A stopped VM will charge the storage fee but your data such as uploaded files will be saved and a terminated VM will be removed.