Lab B

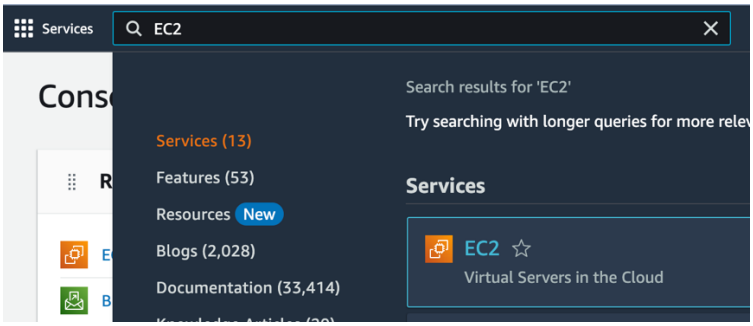
Creating a Windows EC2 instance (A Windows Server in the Cloud) using the AWS Management Console.

1. Open the Learner Lab.

From our AWS canvas dashboard choose the Learner Lab and open the Modules and then the 'Launch AWS Academy Learner Lab' link. Make sure to click the Start lab link and wait for the AWS link to have the green circle next to it and open the lab.

2. Open the EC2 service.

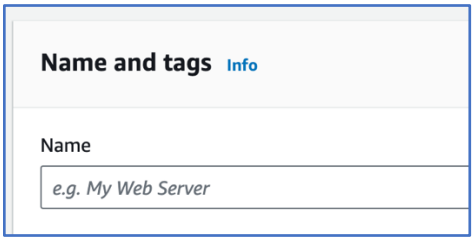
Search for the EC2 Service and click the blue EC2 link.



3. Launch and name a new instance

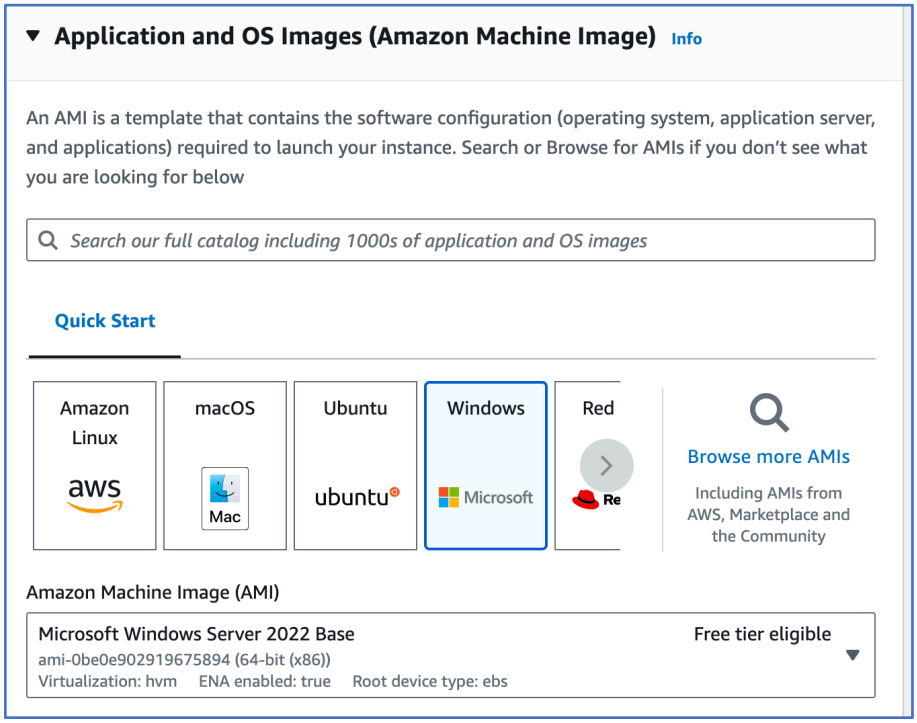
Click on the 'Launch instance' button.

Name the instance.



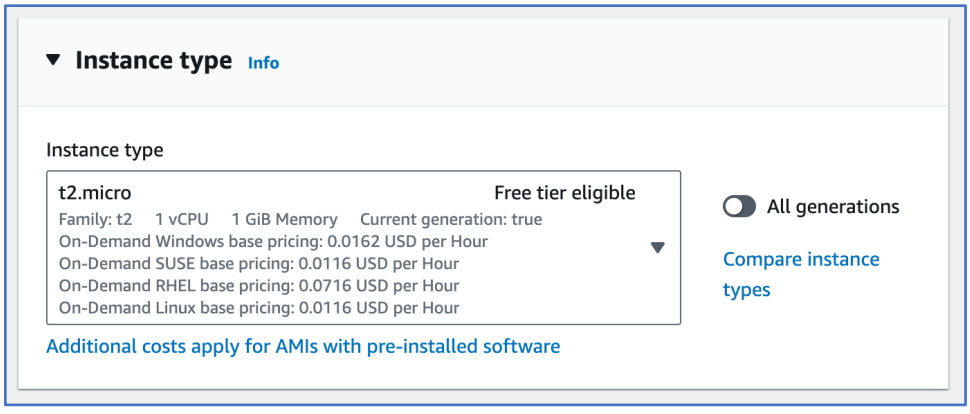
4. Pick an AMI (Amazon Machine Instance).

For this lab we will use Windows from the ‘Quick Start’ tab (this is free tier eligible)



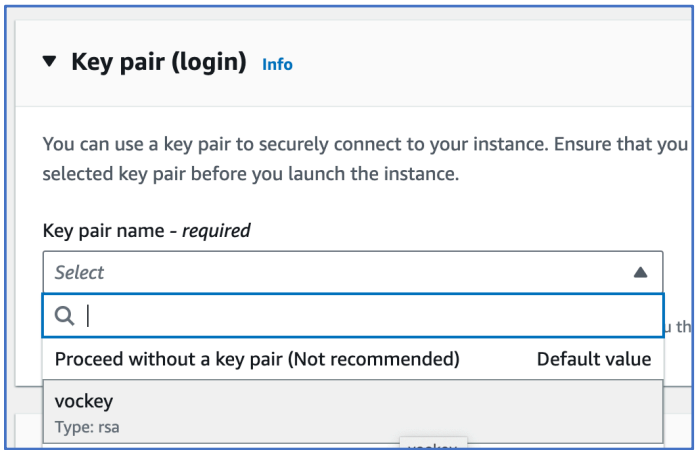
5. Choose an instance type.

Choose the t2.micro (this is free tier eligible)

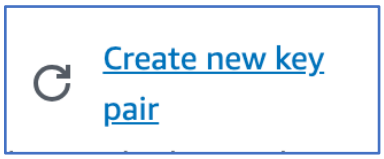


6. Create the key pair for login

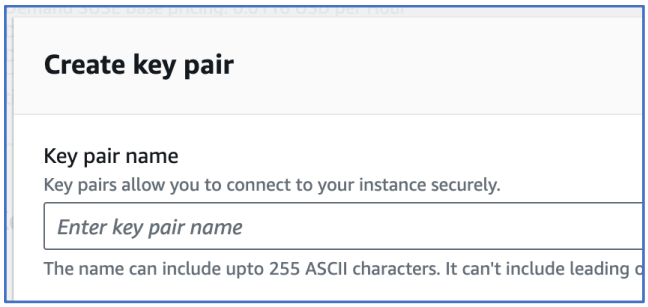
Choose the ‘vockey’ type.



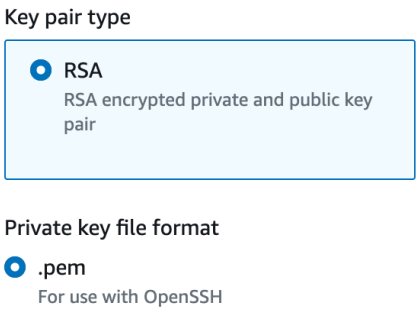
Click the ‘Create new key pair’ link.



Give the key pair a name. This will be the name of a .pem file that will be downloaded later.



Leave the defaults of type ‘RSA’ and file format of .pem.

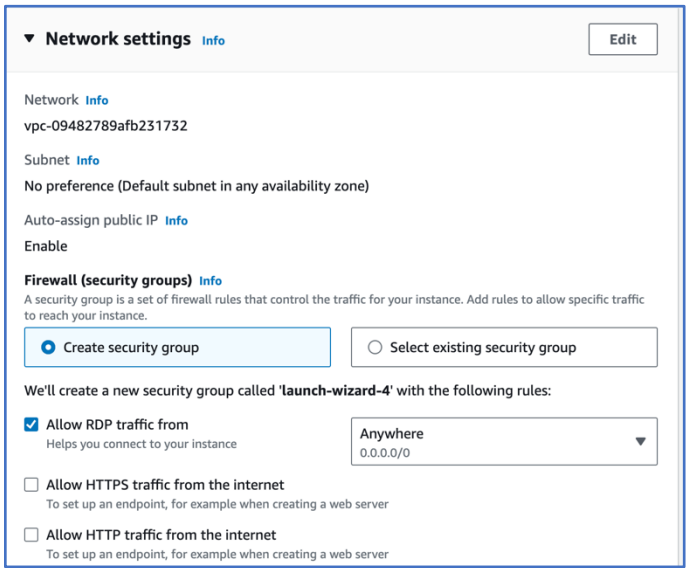


Click the ‘Create key pair’ button.

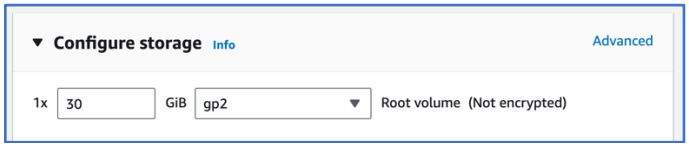
This will download a .pem file. Just make note of where it is for later.

7. Finish setting up the instance.

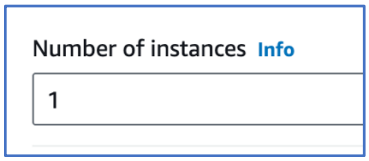
Leave the Network settings on defaults. Our firewall is wide open, but for this lab we won’t worry about that.



Leave the storage about at the 30GB general purpose (gp2) defaults.

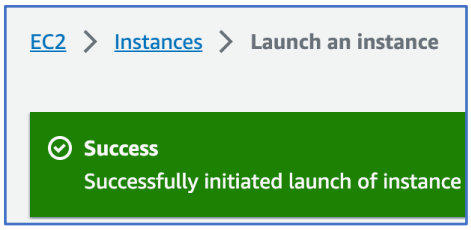


We are only creating one instance so leave the ‘Number of instances’ at 1.



Click the ‘Launch instance’ button.

You will see your instanced was launched successfully. Now click on the ‘Instances’ blue link in the breadcrumbs.



8. Wait for your instance to initialize and have 2/2 checks

You will see your ‘instance state’ go from pending to running, but the ‘status check’ will still be on initializing.

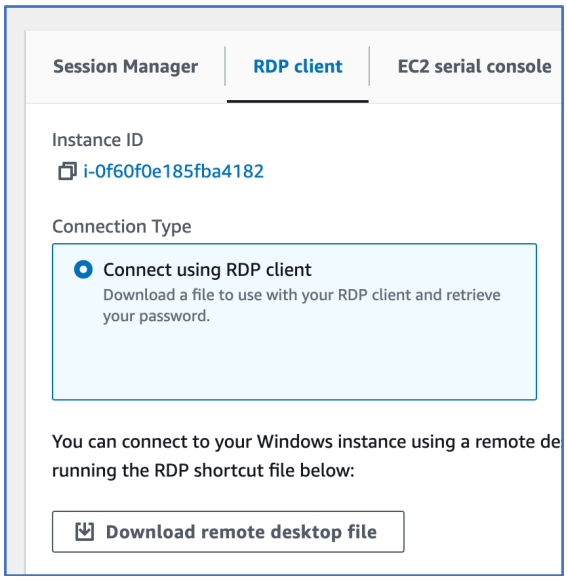
Wait several minutes until you will eventually see the 2/2 checks passed under ‘status check’. Once you see this, you can begin the next steps. You may need to refresh the page.

9. Connect your instance.

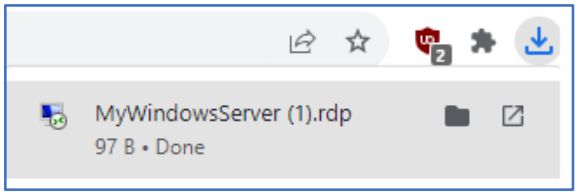
Check the box to the left of your instance name.

And then click ‘Connect’.

Choose the ‘RDP client’ tab and leave the ‘Connection Type’ default and click the ‘Download remote desktop file’

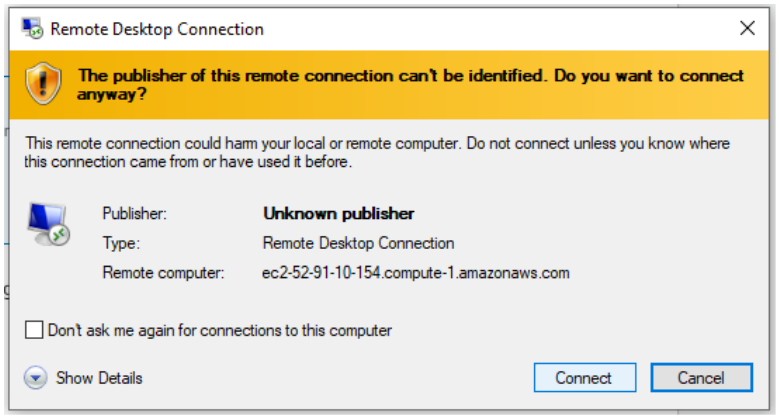


You will see a .rdp file downloaded.

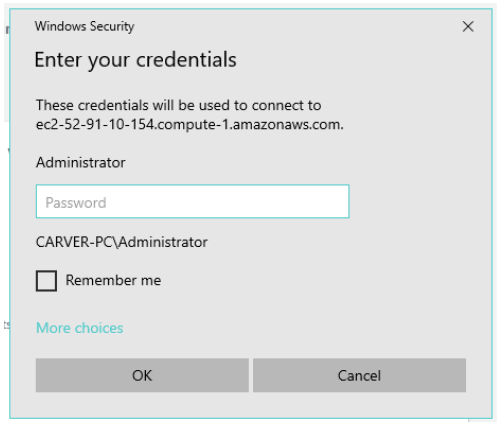


(From this point on in the lab, you will need a windows computer to finish the lab. Partner up with a Windows user during lab)

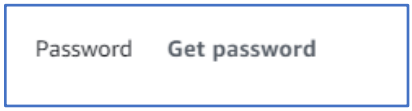
Double click the .rdp file and you will see this ‘Remote Desktop Connection’ popup. Click ‘Connect’.



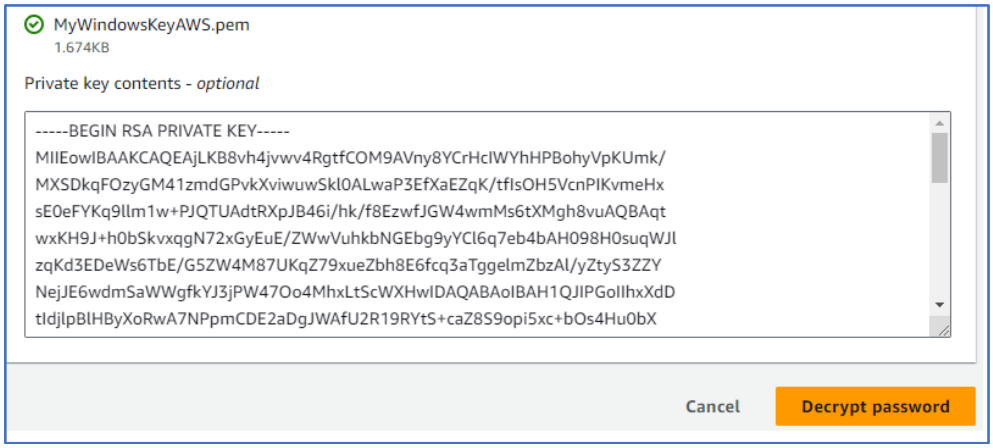
It will then ask for your password which is a part of the key pair .pem file we created earlier.



So, leave this window open and go back to your AWS Management Console and click the ‘Get password’ link.

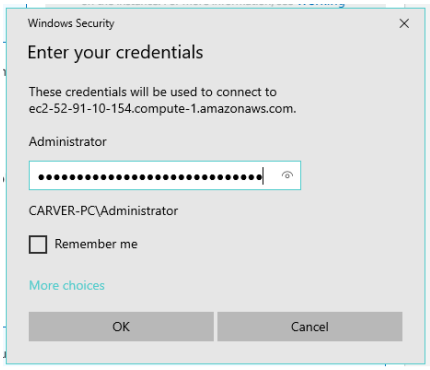


Upload the .pem file you created earlier and click the ‘Decrypt password’ button.

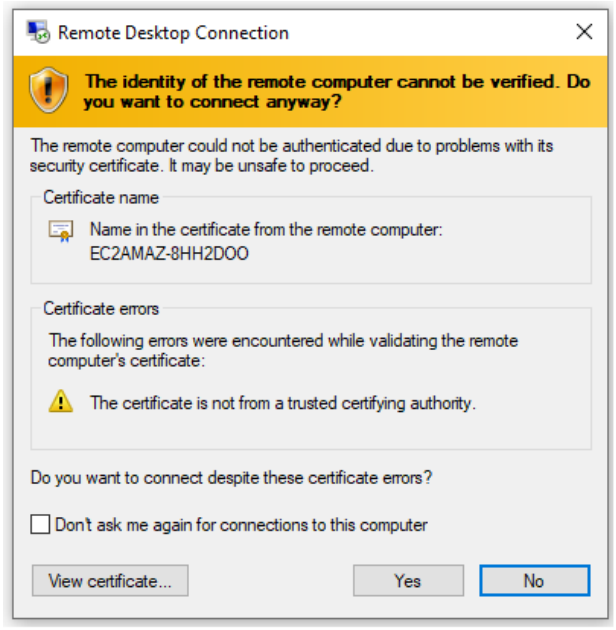


Copy the password.

Then paste is back in the ‘Enter your credentials’ window that you still have open and click ‘OK’.

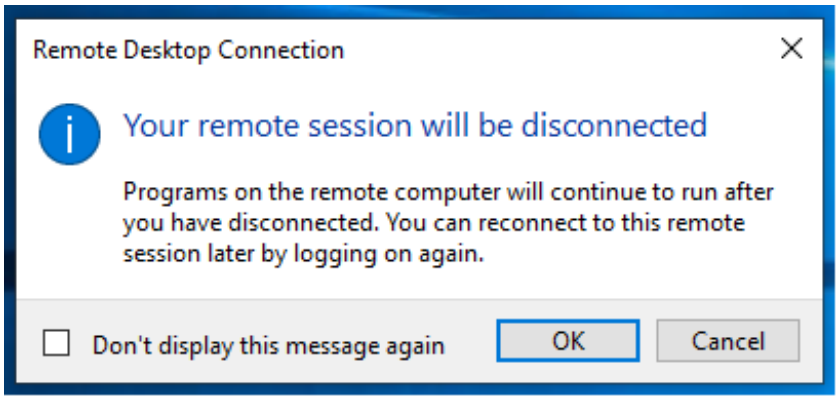


You can see this ‘Remote Desktop Connection’ popup. Click ‘Yes’.



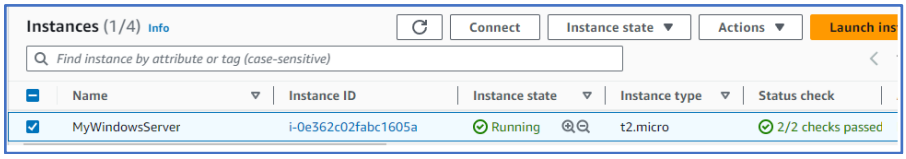
Your Windows Server will now take a moment to open. It will look like a regular Windows computer/server. We won’t be doing anything with it today.

For points for this lab, have your instructor come look that you have the window's server open. When you are done looking at it a bit, close it with the 'X' at the top of the remote server window. It will verify that you want to disconnect. Click 'OK'.

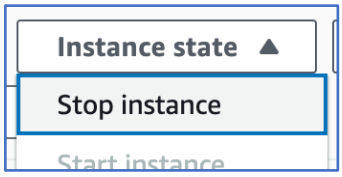


10. Stop your instance from running.

Go back to your list of instances and check the check box next to your instance.



Click the ‘Instance state’ drop down and choose ‘Stop instance’. You don’t want to leave your instances running if you are not using them.



You can terminate your instance if you’d like, but it is not necessary.

That it, great job!