AWS Cloud Training

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Organized by KPR Institute of Engineering and Technology
Department of Computer Science and Engineering

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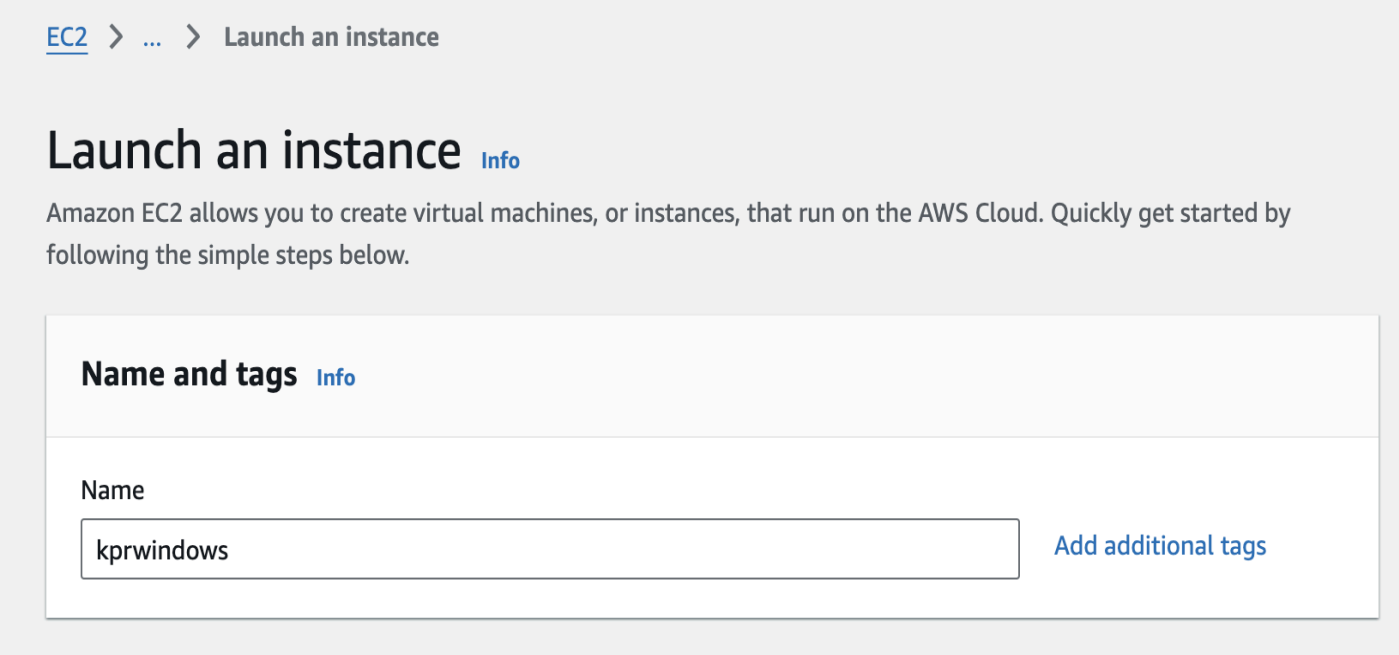
II - CSE

A step by step guide on the configuration of Windows web server and access it using public IP address

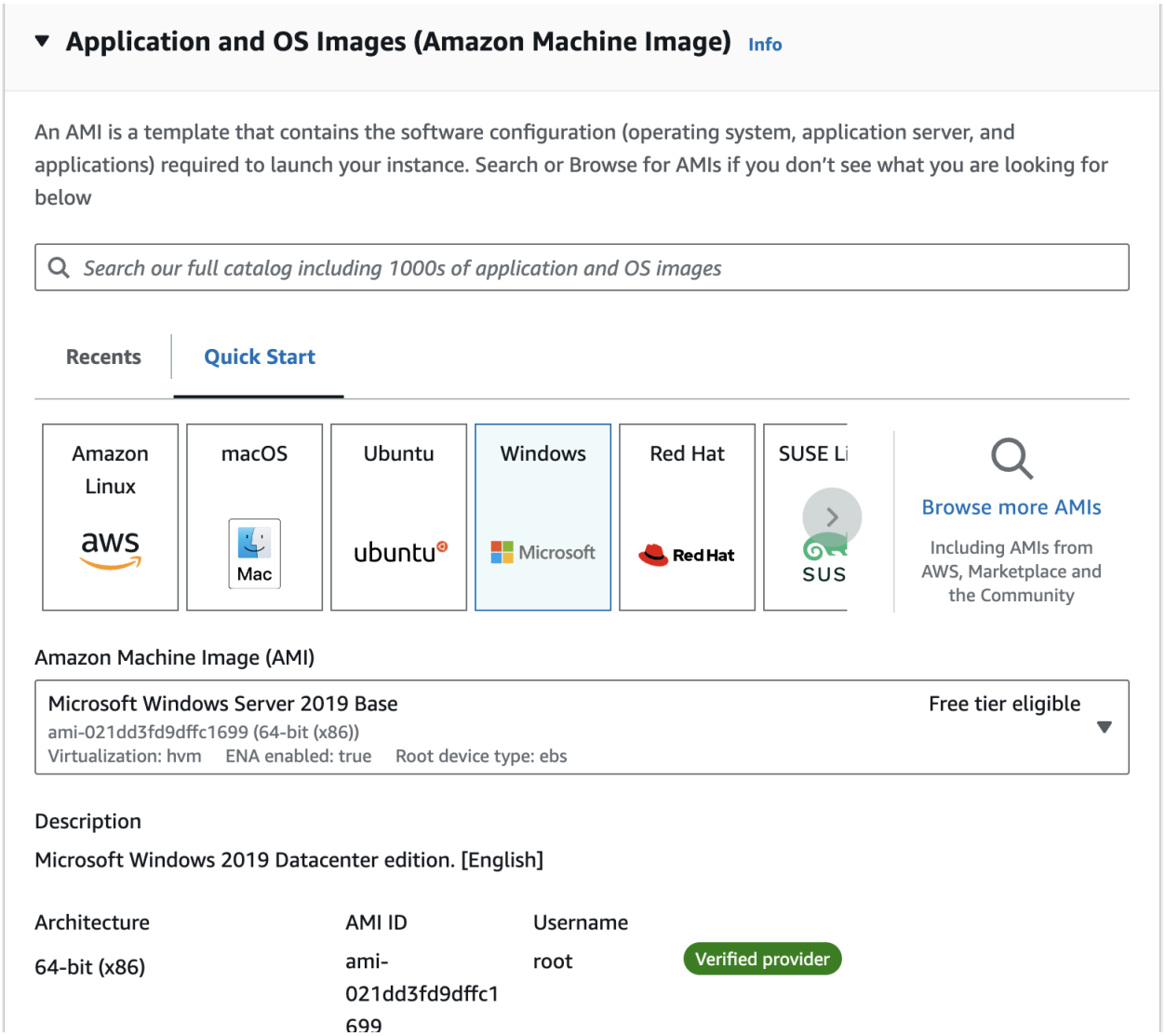
- Create an Windows EC2 Instance and launch it .

Here are few steps on how to create a Windows EC2 instance and connect from Windows OS

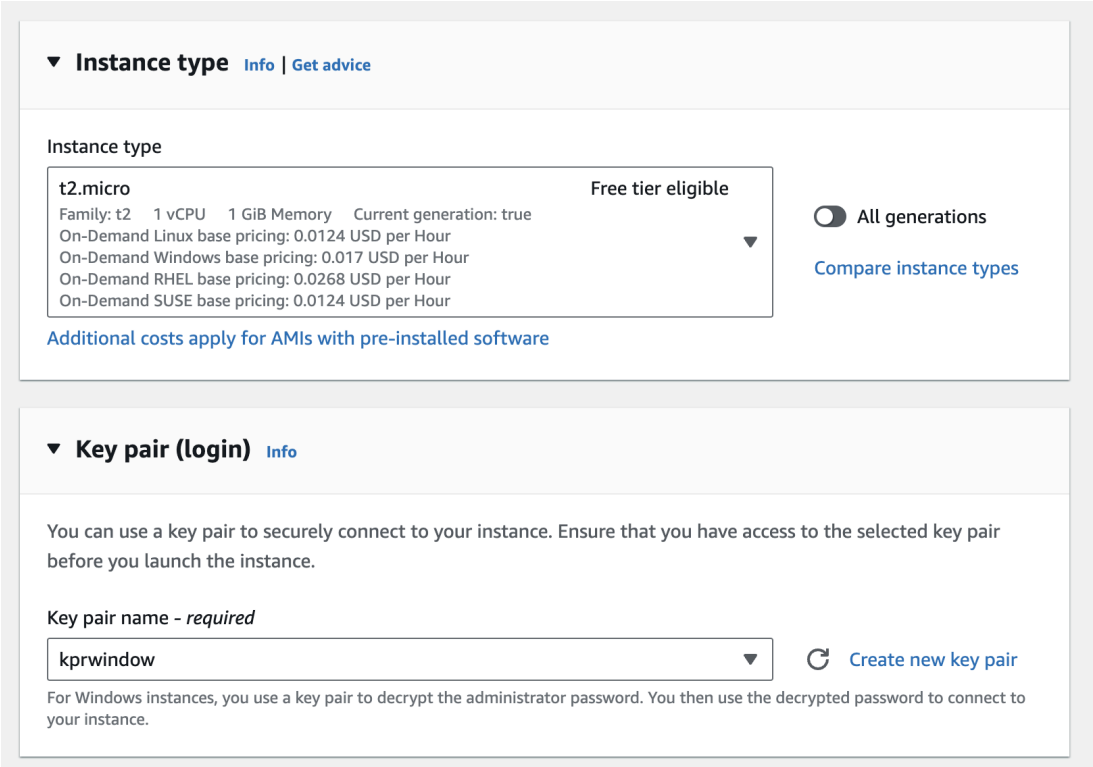
Step 1: Create a name for your instance



Step 2 : Choose an AMI from the Windows Section (which is applicable for free tier)

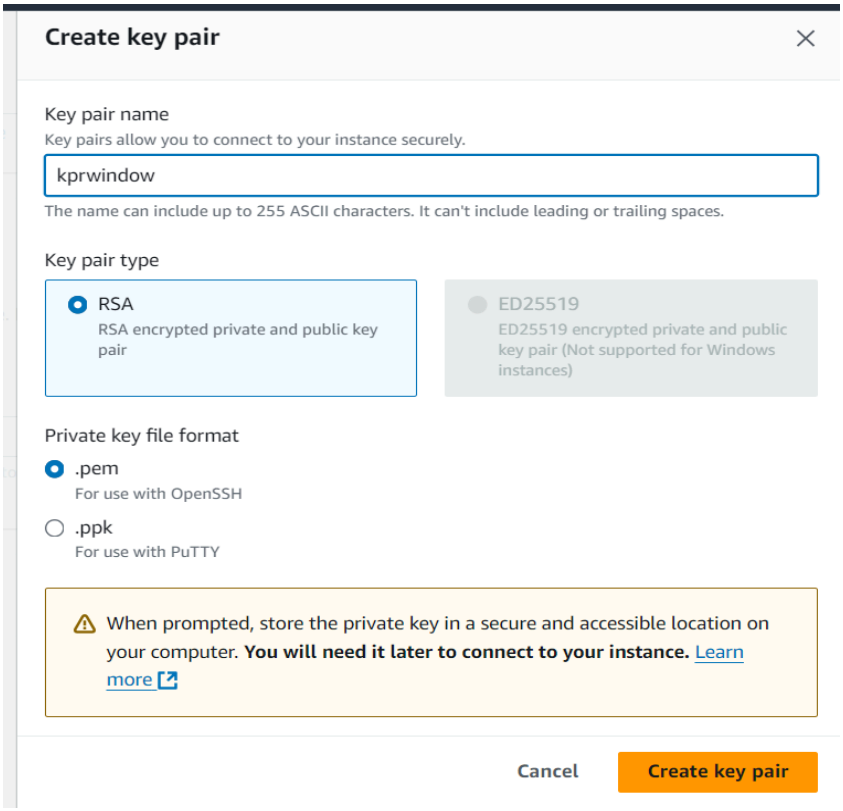


Step 3 :Choose an instance type (which is applicable for free tier) and then name your key pair in the next step



Step 4: Create a new key pair

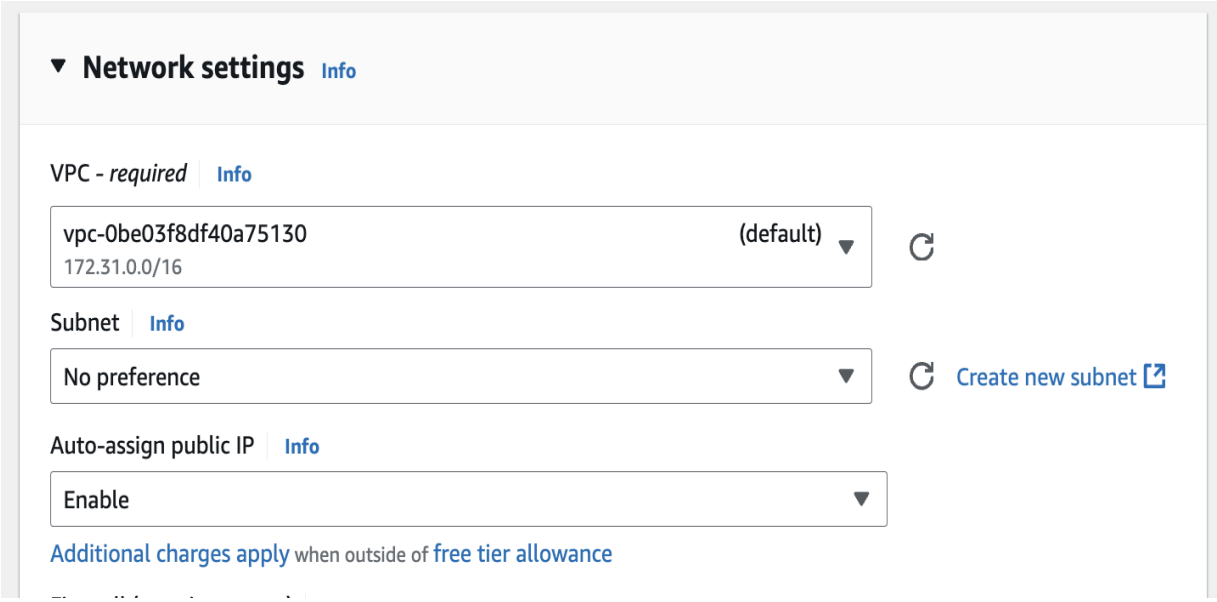
- *Enter the name for your key pair*
- *Choose the Key pair type as RSA(it is the only option available as you cannot choose ED25519 since it is not available for Windows instances).*
- *Choose .pem private key file format and click on Create key pair .*



Once you have created the Key pair it will be downloaded to your PC by default .

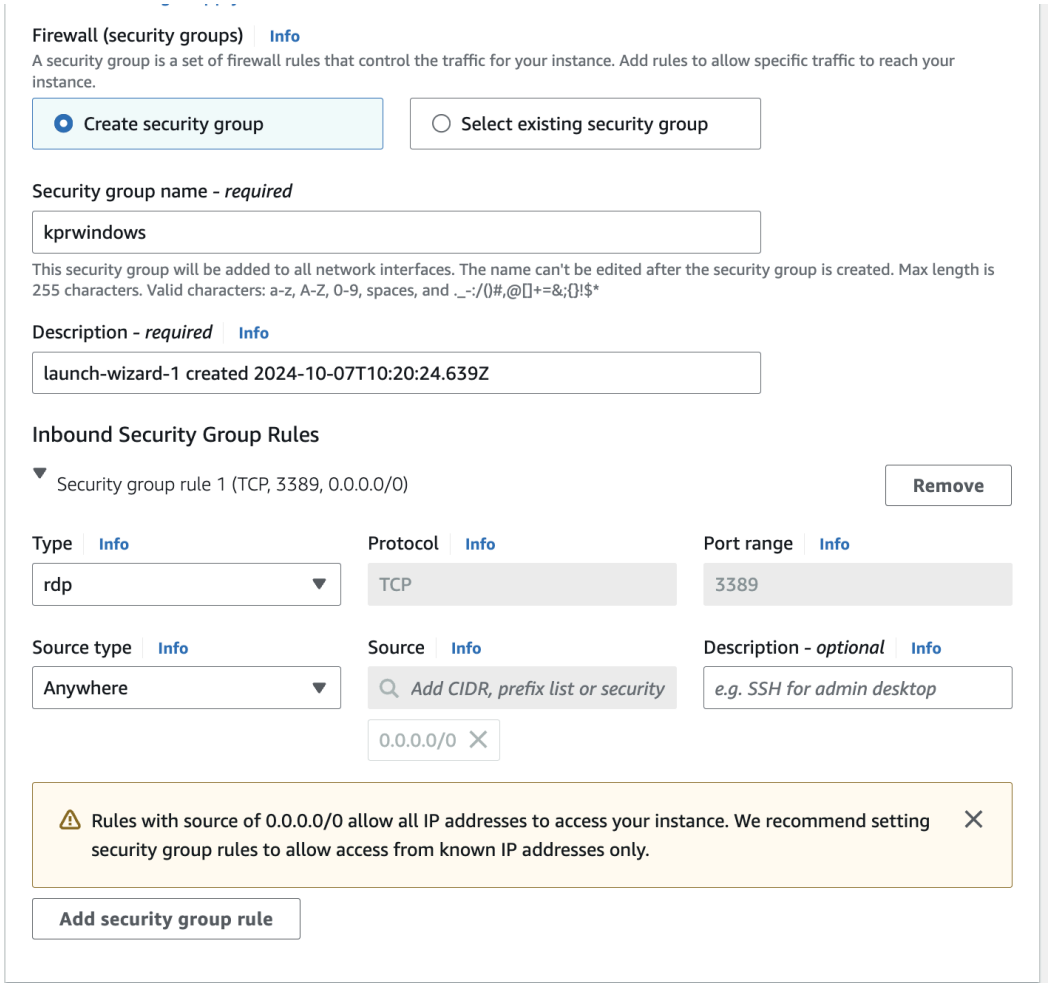
Step 5: Set the network settings

In the Network Settings the VPC required and all other fields like Subnet , Auto -assign public IP fields are filled by default



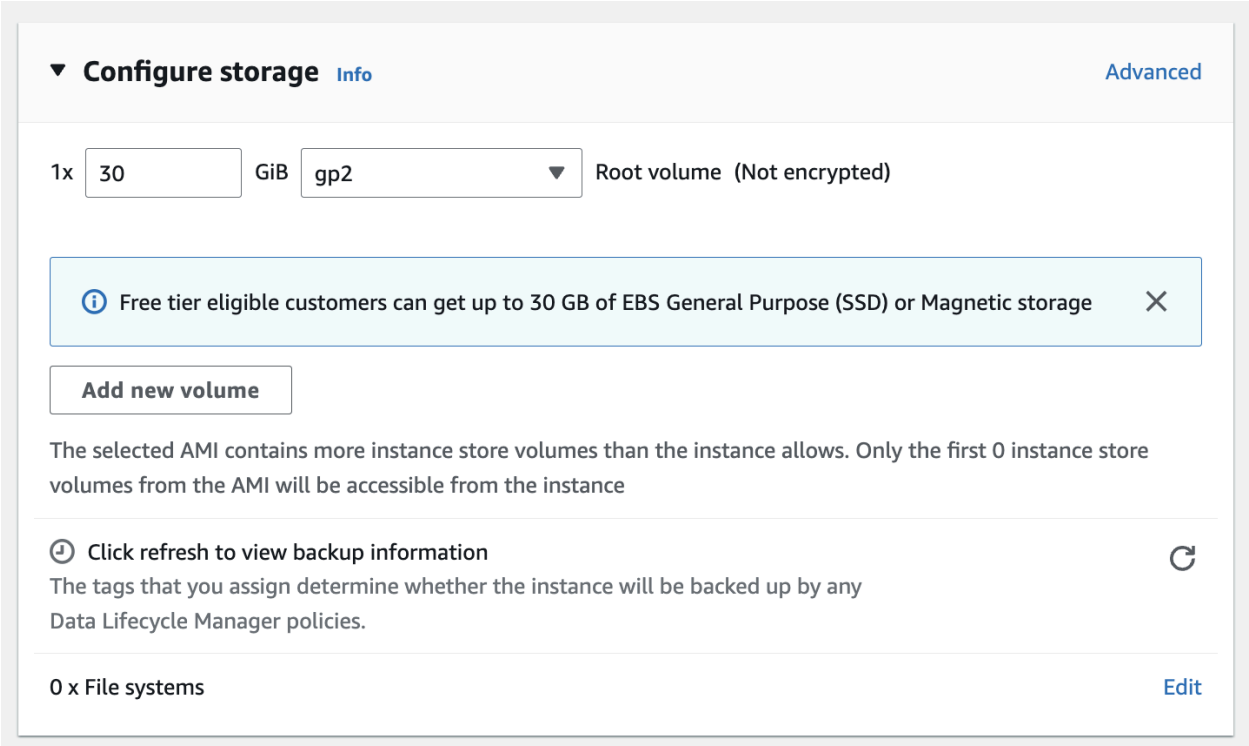
Step 6: Security group

Select Create Security group and provide a name for it



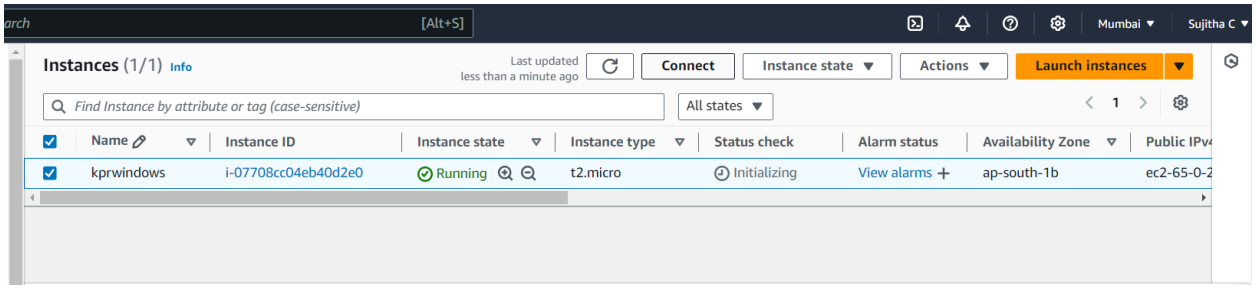
The Description required column and the Inbound Security Group Rules are filled by the default values and better not to change it.

Step 7 :Set the Configure Storage (usually it is 30 Gb for Windows and 8 Gb for Linux)

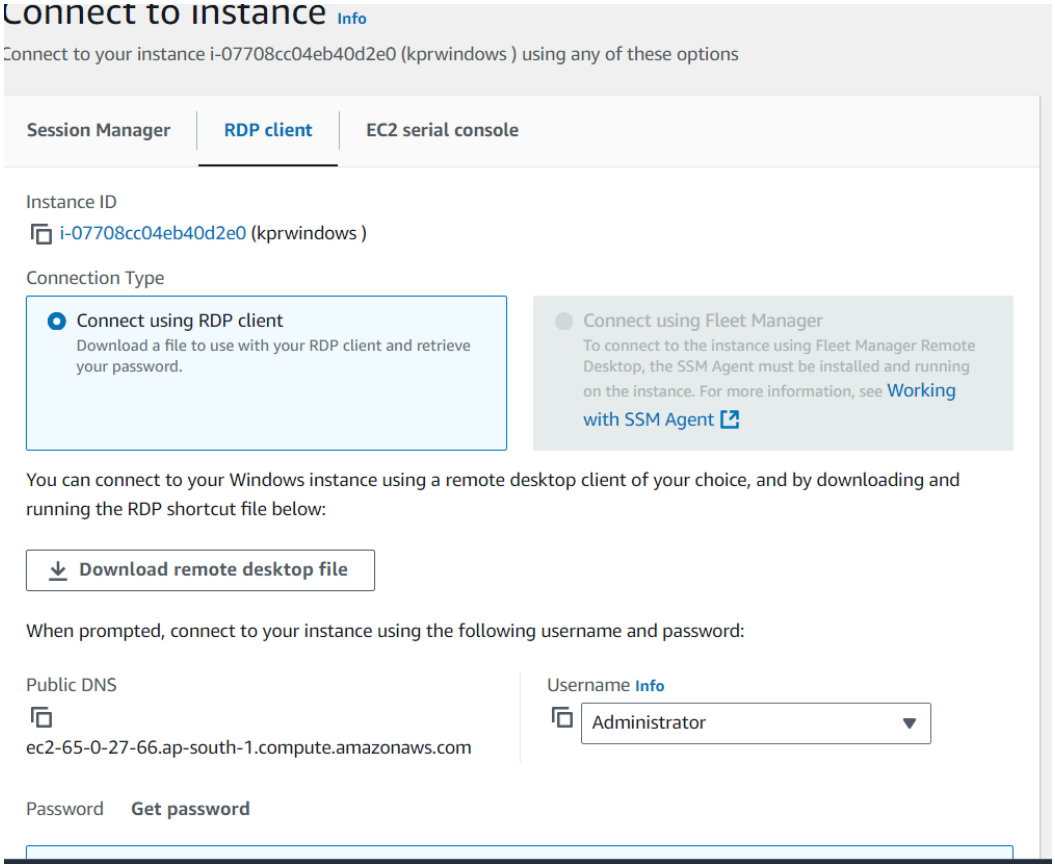


After completing all these steps click on Launch instance and open the instances page

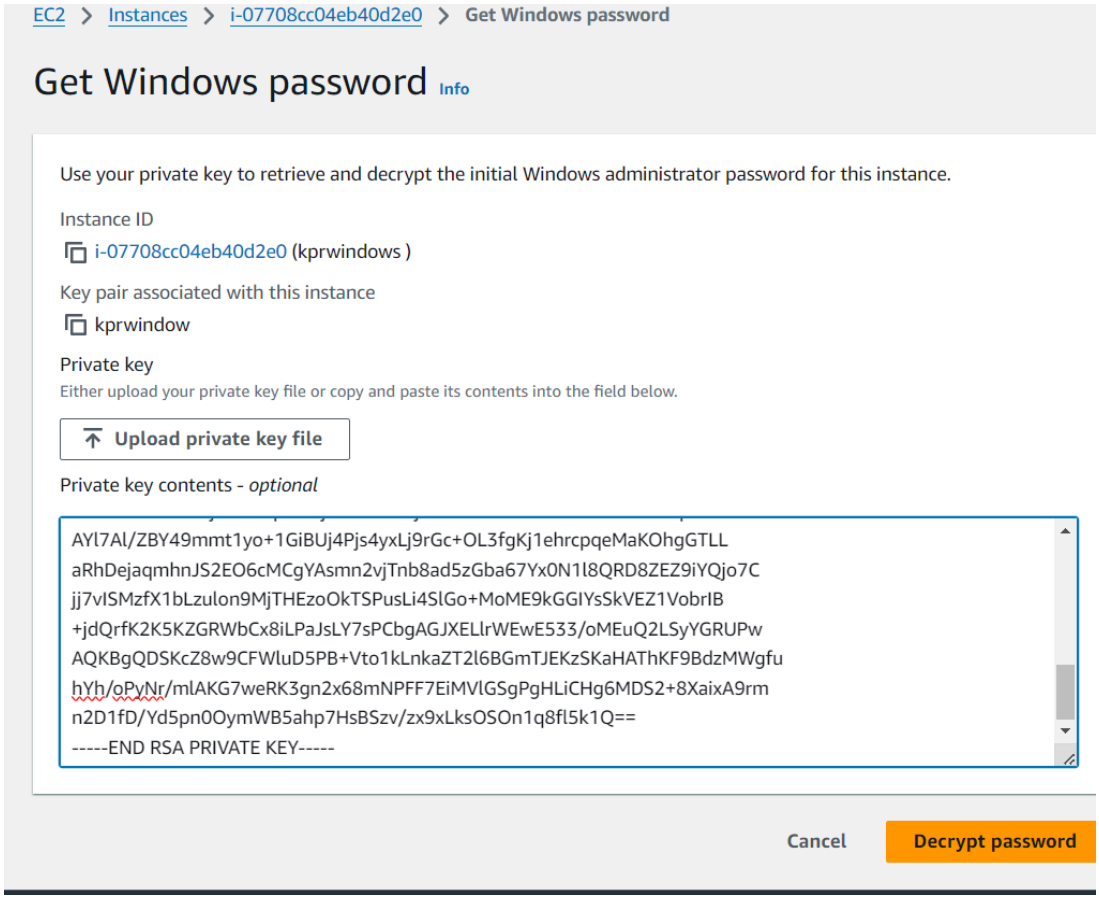
Step 8 : Follow the below steps to connect



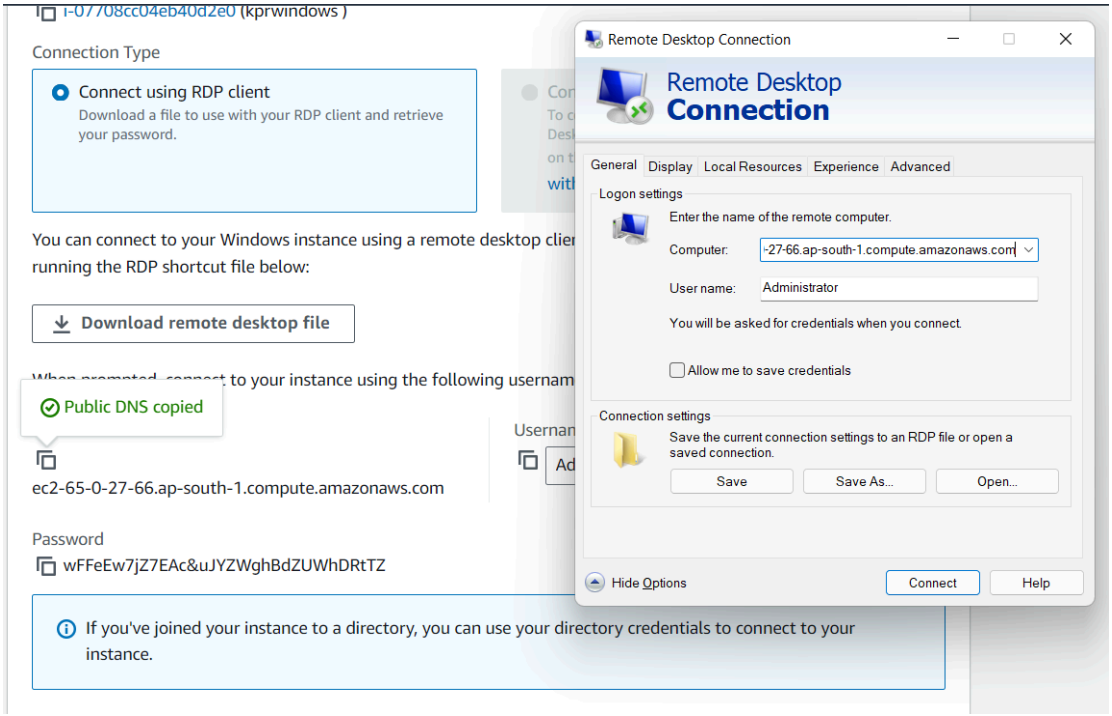
Select the instance and click on connect



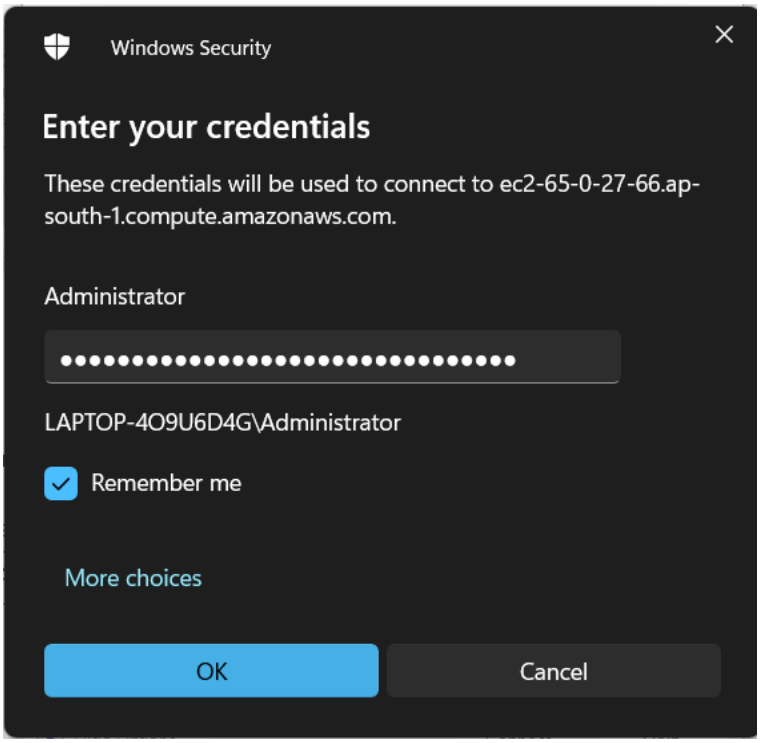
In the Connect to Instance page , go to RDP client section and Click on Get password



Copy and paste the contents of the key pair in the Private key contents box which you have created earlier and click on Decrypt password.



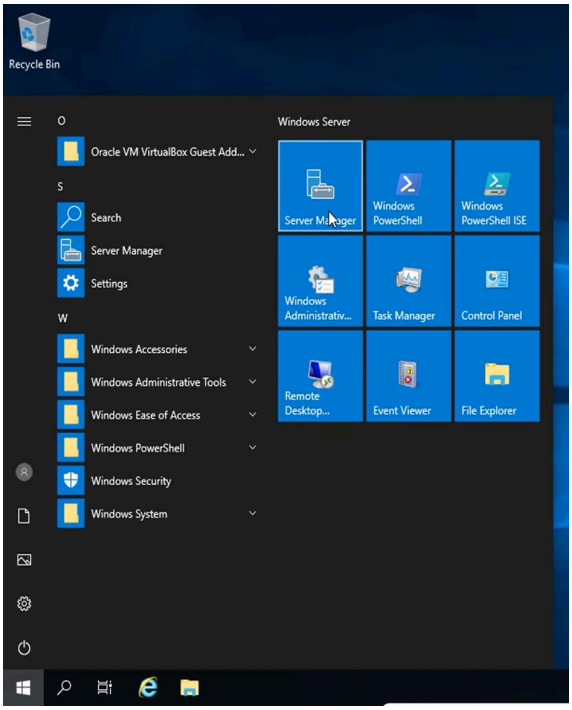
Once you have created the password ,open the Remote desktop Connection in your PC and enter the Public DNS in the computer section and Administrator in the username section .Click on connect



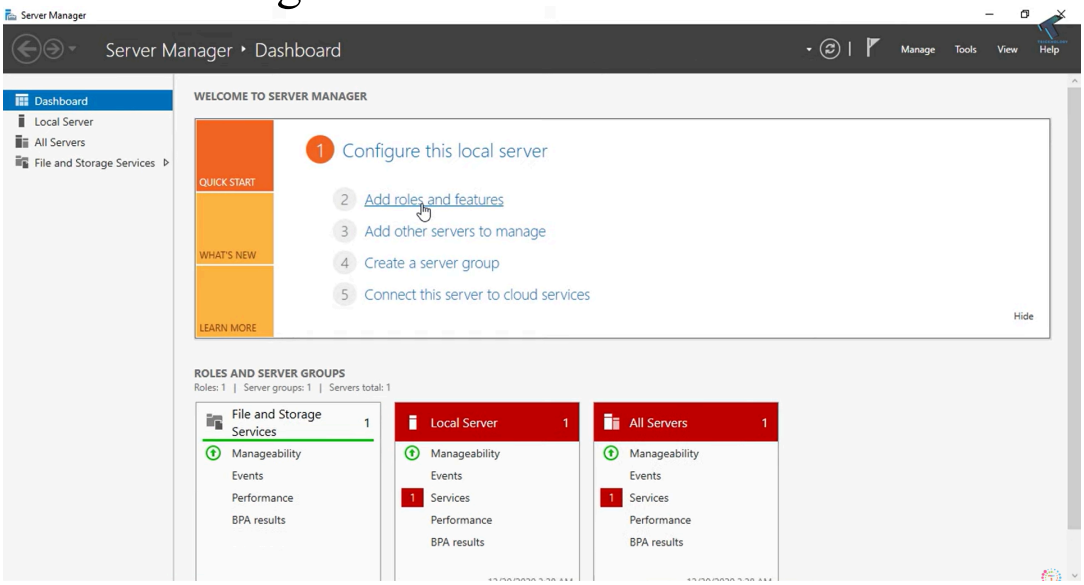
Once you click on connect , enter the password you got from the decryption of keypair

- Now create an Elastic IP address and associate it to the instance you created before.
- After associating an elastic IP,connect your instance to your windows using RDP

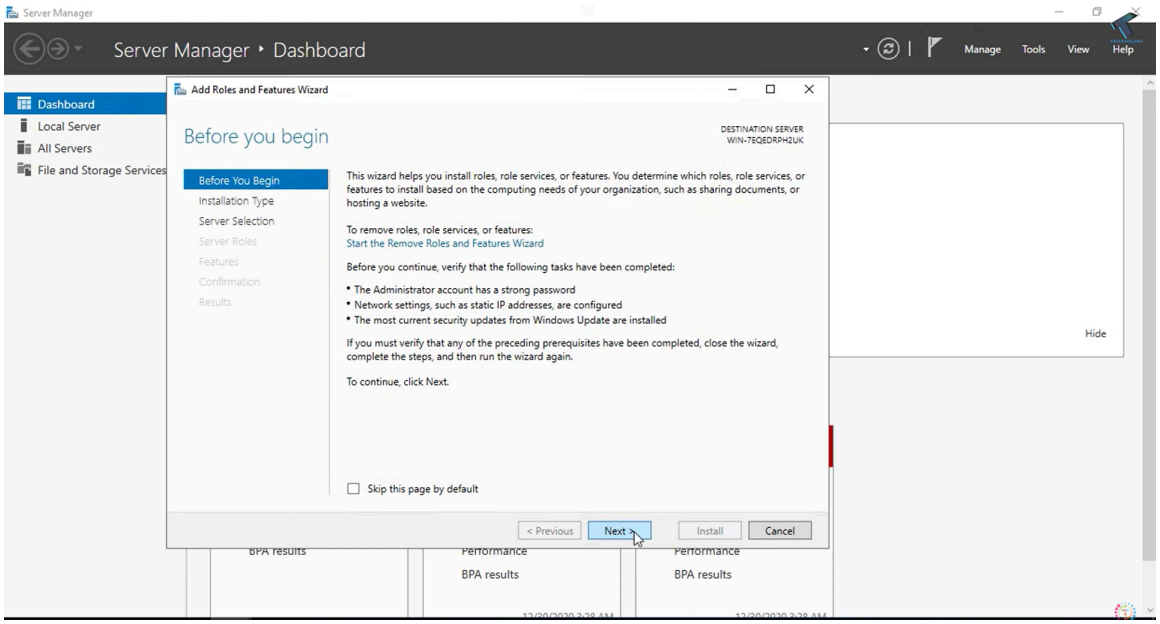
- Click on windows icon and then select server manager



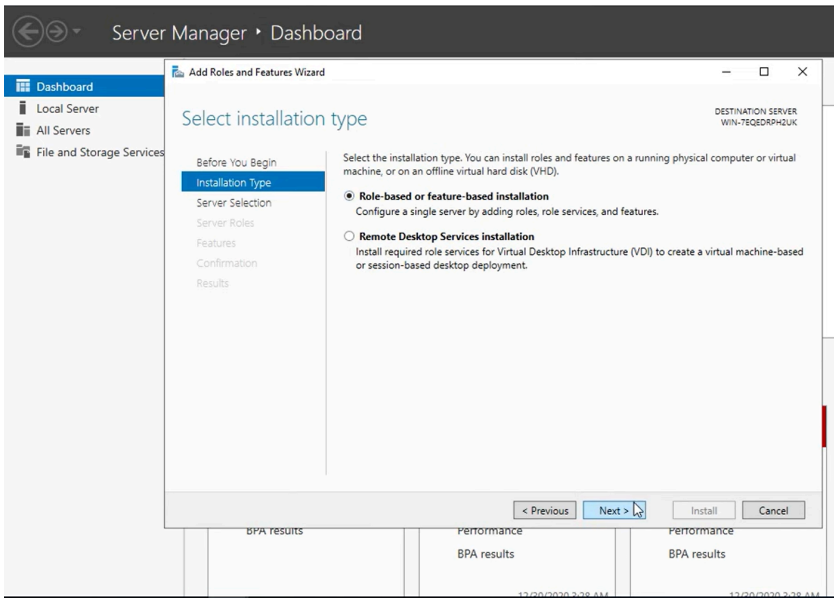
- In the server manager dashboard click on “Add roles and features”



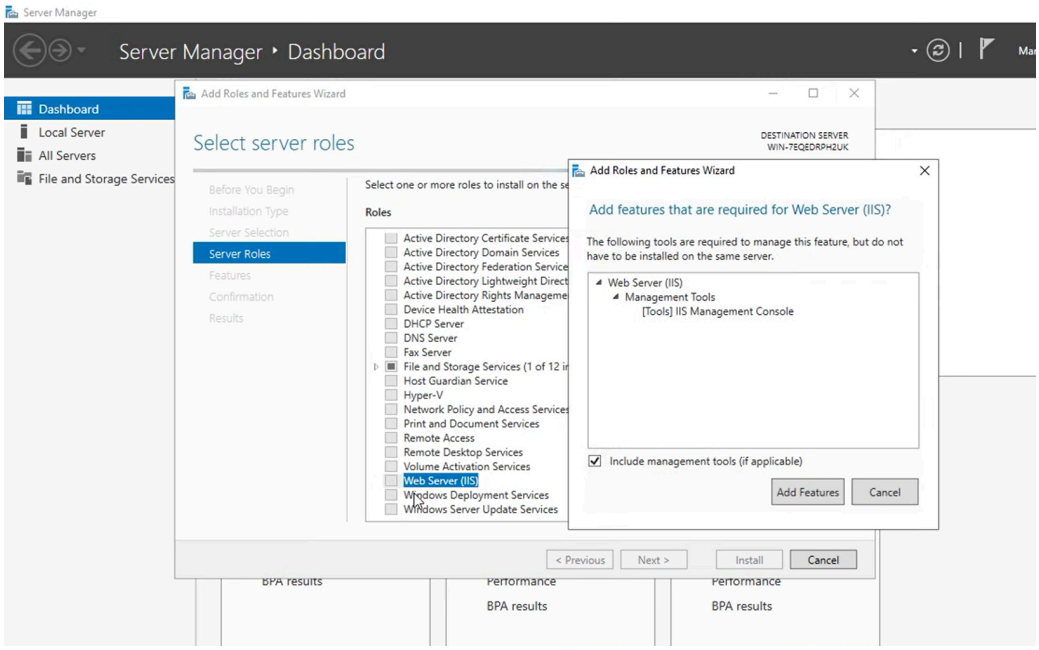
- Click on next in the upcoming popup page of ‘BEFORE YOU BEGIN’.



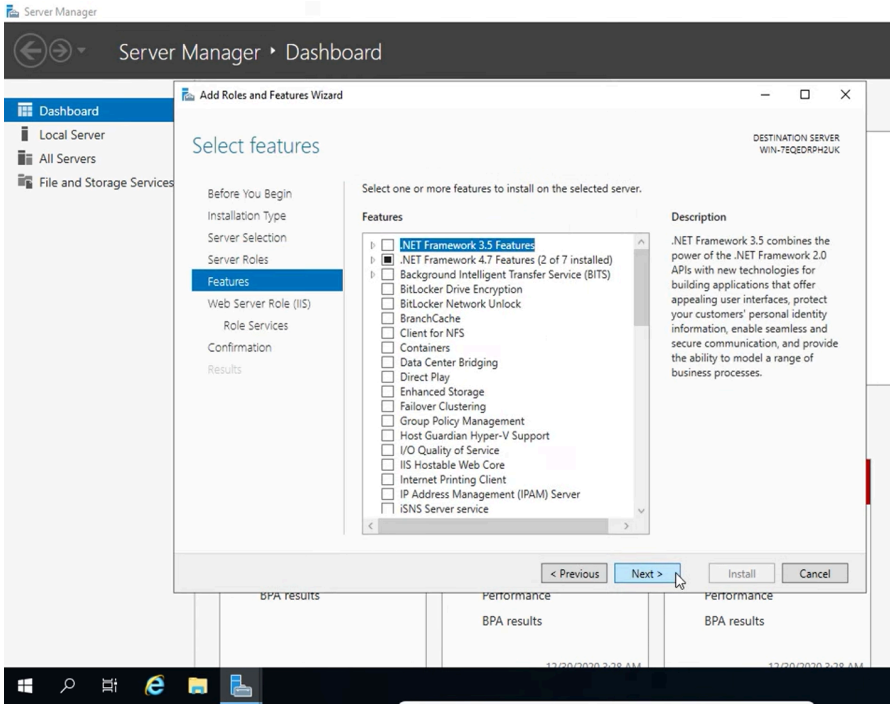
- Select Role based or feature based installation and click on next .



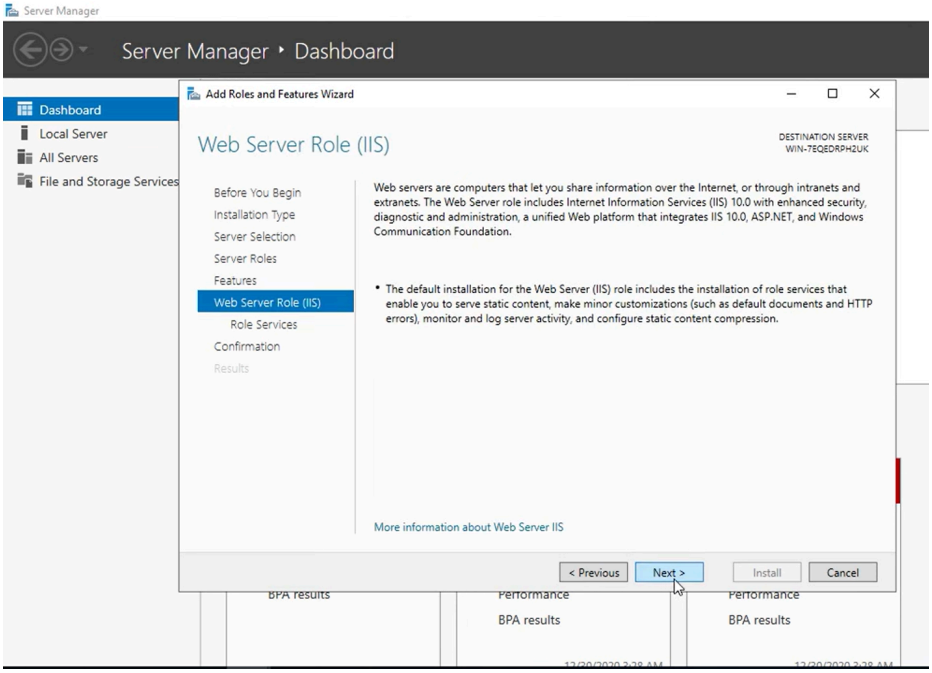
- Select web server IIS in the Roles popup and click on add features

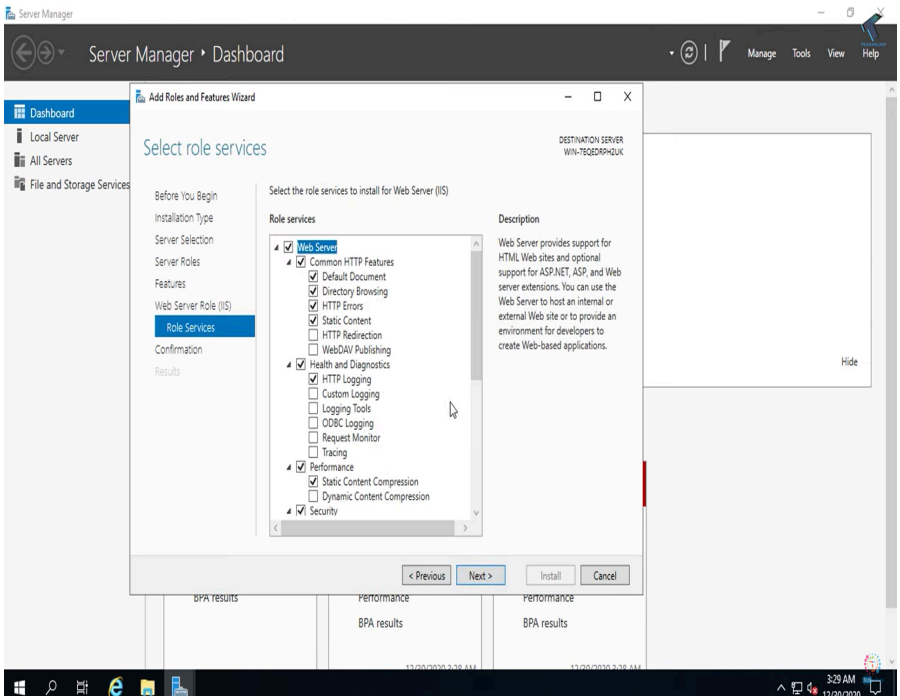


- No need to make any changes just click on next in the features page

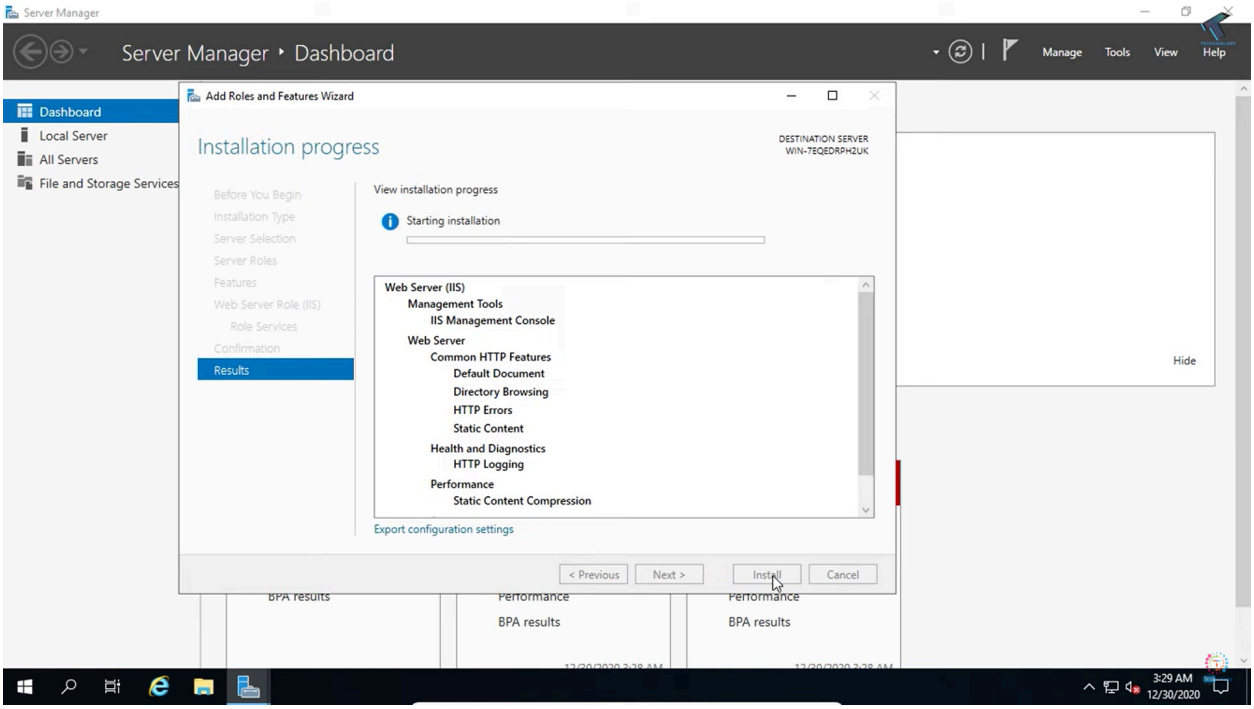


- Click on next in the web server role page

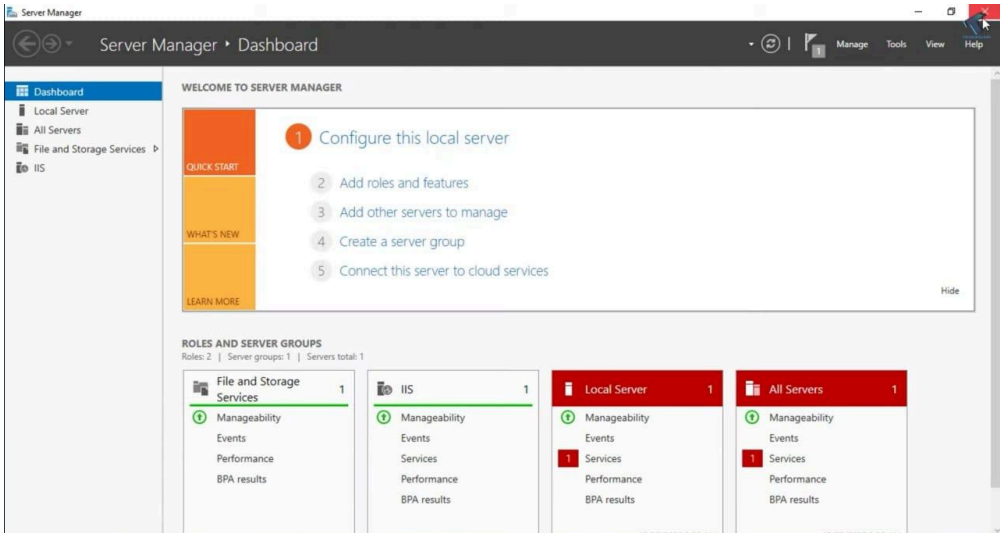

Server Manager
Server Manager ‣ Dashboard
Dashboard
Local Server
All Servers
File and Storage Services
Add Roles and Features Wizard
Web Server Role (IIS)
DESTINATION SERVER
WIN-7EQEDRPH2UK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
Web servers are computers that let you share information over the Internet, or through intranets and extranets. The Web Server role includes Internet Information Services (IIS) 10.0 with enhanced security, diagnostic and administration, a unified Web platform that integrates IIS 10.0, ASP.NET, and Windows Communication Foundation.
The default installation for the Web Server (IIS) role includes the installation of role services that enable you to serve static content, make minor customizations (such as default documents and HTTP errors), monitor and log server activity, and configure static content compression.
More information about Web Server IIS
< Previous
Next >
Install
Cancel
BPA results
Performance
BPA results
Performance
BPA results


Server Manager
Server Manager ‣ Dashboard
Manage
Tools
View
Help
Dashboard
Local Server
All Servers
File and Storage Services
Add Roles and Features Wizard
Select role services
DESTINATION SERVER
WIN-7EQEDRPH2UK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
Select the role services to install for Web Server (IIS)
Role services
Description
Web Server
Common HTTP Features
Default Document
Directory Browsing
HTTP Errors
Static Content
HTTP Redirection
WebDAV Publishing
Health and Diagnostics
HTTP Logging
Custom Logging
Logging Tools
ODBC Logging
Request Monitor
Tracing
Performance
Static Content Compression
Dynamic Content Compression
Security
Web Server provides support for HTML Web sites and optional support for ASP.NET, ASP, and Web server extensions. You can use the Web Server to host an internal or external Web site or to provide an environment for developers to create Web-based applications.
< Previous
Next >
Install
Cancel
Hide
BPA results
Performance
BPA results
Performance
BPA results
3:29 AM

- Click on install in the installation progress page

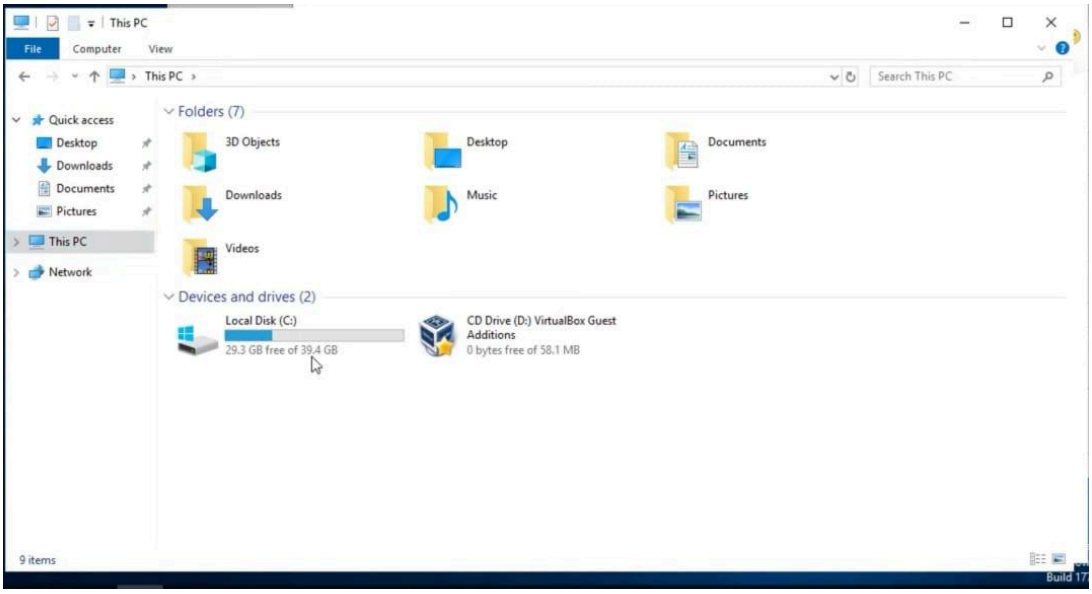


- Click on close once everything is installed .
- Once you complete all the above tasks the dashboard page will like the one below . In that you can notice the IIS has been configured.

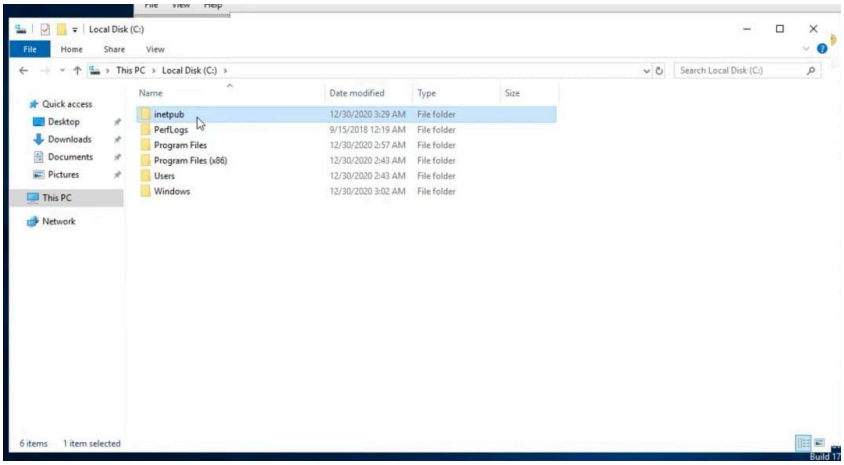


- Now if you want to add your own HTML pgm and host it. Follow these steps below .

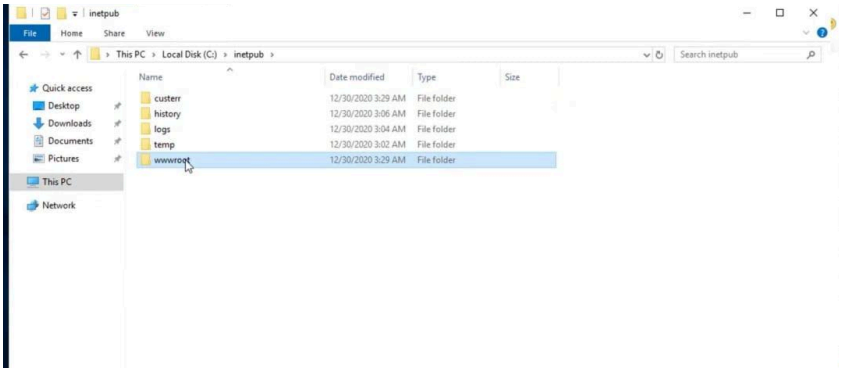
STEP1: Go to file manager and select local disk under 'This PC' option.

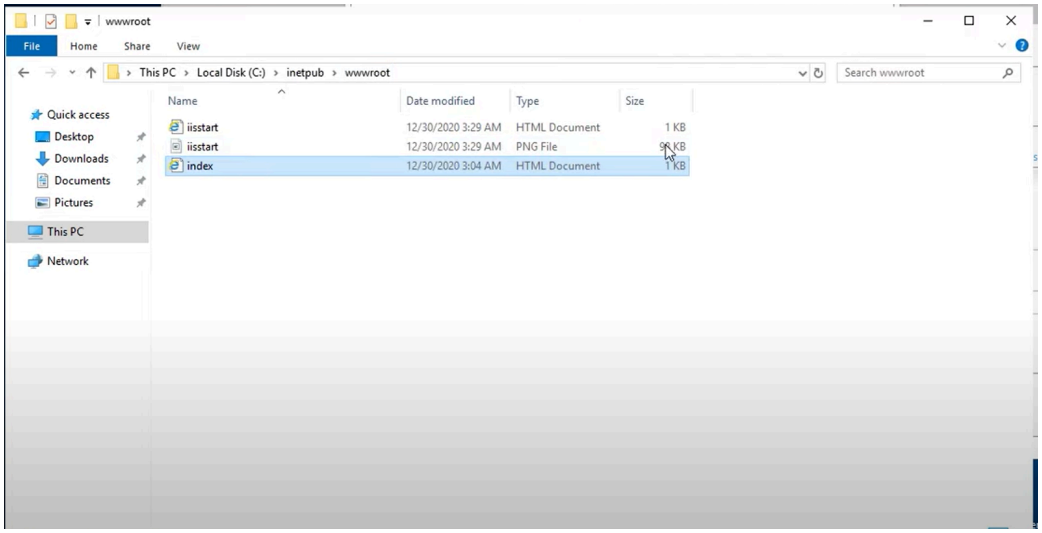


STEP 2 : In that select 'inetpub' folder .



STEP 3: Then select wwwroot folder and click on index file and edit it .





- *Now you can disconnect the instance and search your public ip address of the instance in your browser and you will be connected to your webpage .*