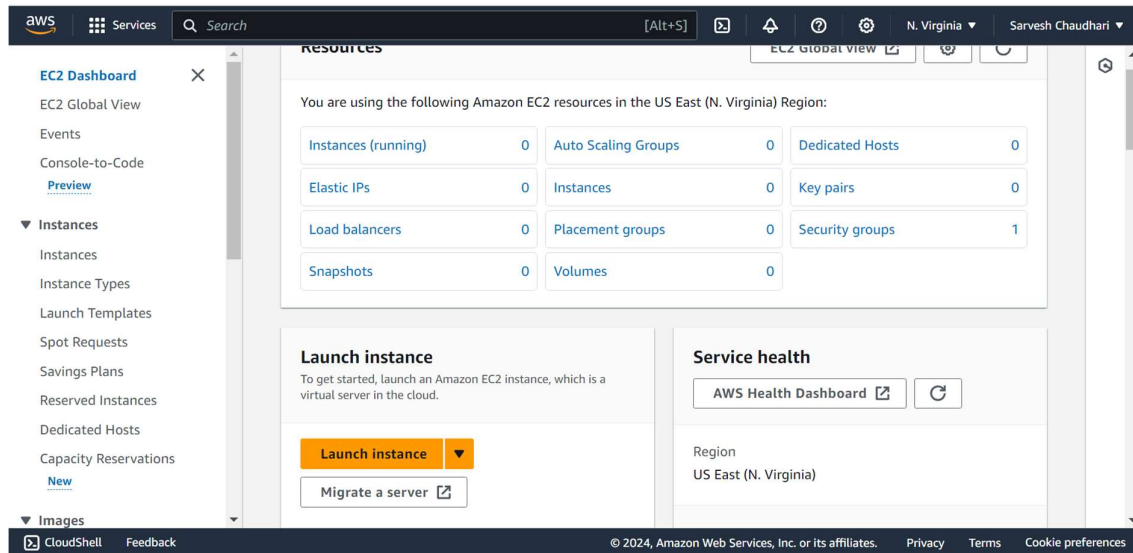
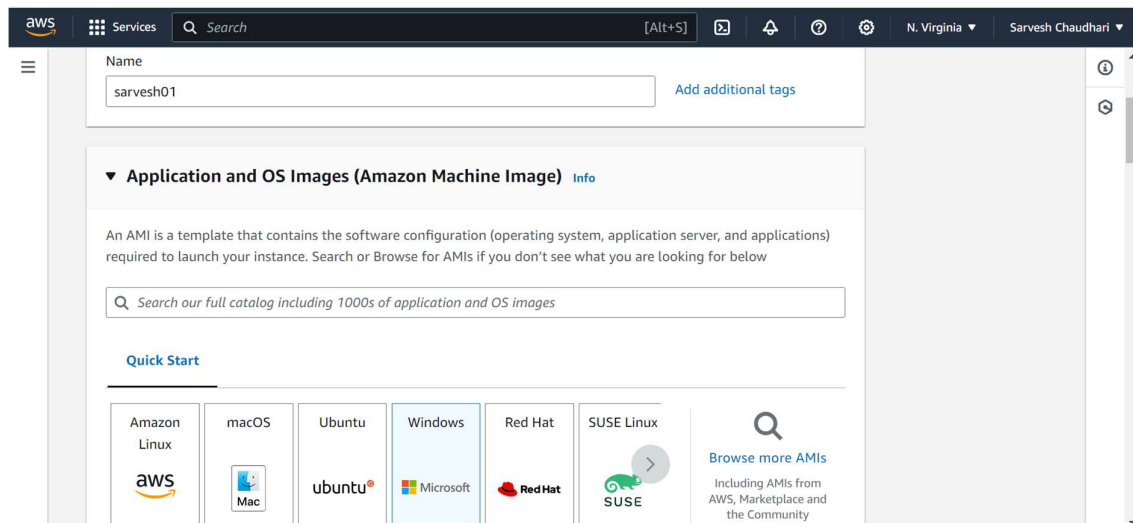


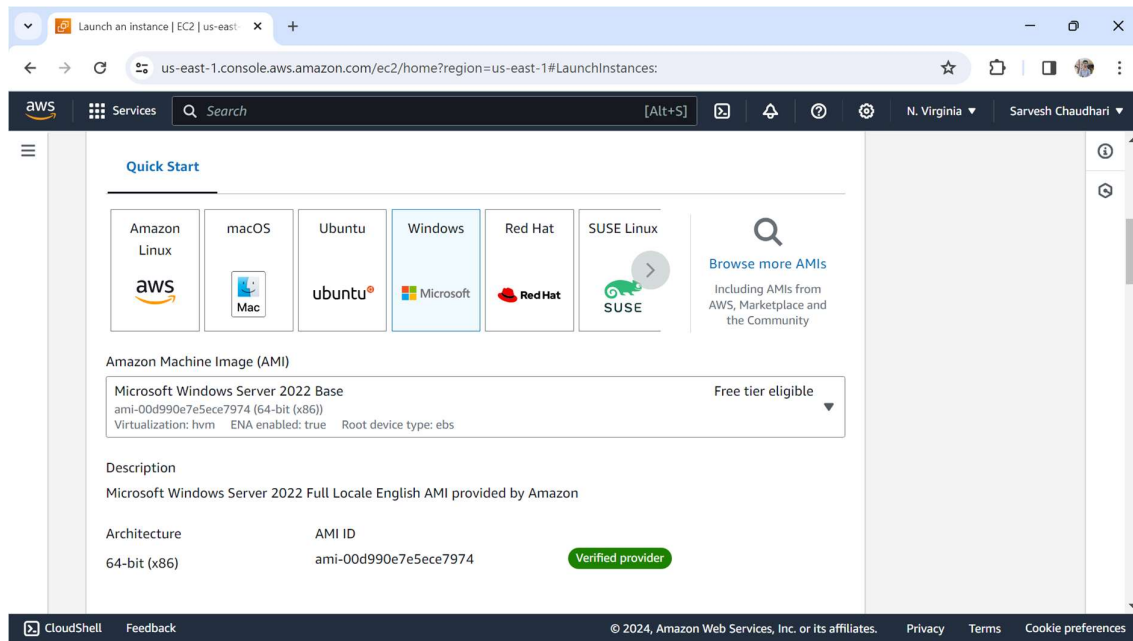
Objective:- To deploy sample website on EC2 Windows Machine

S1) Click on launch instance.

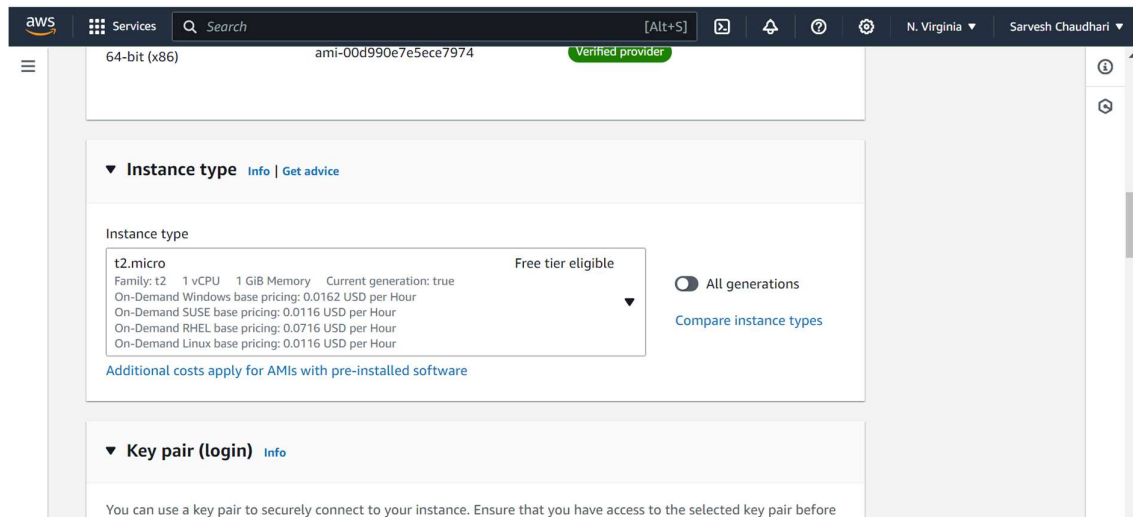


S2) Give name to instance 'sarvesh01' and then select AMI as Windows





Select instance type or take as by-default



In key pair login create new key pair and give key pair name, select key pair type and private key file format.

aws Services Search [Alt+S] N. Virginia Sarvesh Chaudhari

### Create key pair

Key pair name  
Key pairs allow you to connect to your instance securely.

b12  
The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

- ☒ RSA  
RSA encrypted private and public key pair
- ☐ ED25519  
ED25519 encrypted private and public key pair (Not supported for Windows instances)

Private key file format

- ☒ .pem  
For use with OpenSSH
- ☐ .ppk  
For use with PuTTY

Cancel Create key pair

Now our key pair created, Now go to network setting click on edit Select Auto-Assign public IP.

aws Services Search [Alt+S] N. Virginia Sarvesh Chaudhari

### Network settings

VPC - required Info  
vpc-075f37c839f925304 (default) 172.31.0.0/16

Subnet Info  
No preference Create new subnet

Auto-assign public IP Info  
Enable

Firewall (security groups) Info  
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group ☐ Select existing security group

Security group name - required  
launch-wizard-1

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, 0-9, spaces, and -/!@#\$%^&\*~`

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Now in Inbound Security groups select Type rdp, http, https then source type as Anywhere

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### Inbound Security Group Rules

▼ Security group rule 1 (TCP, 3389, 0.0.0.0/0) Remove

Type <a href="#">Info</a>	Protocol <a href="#">Info</a>	Port range <a href="#">Info</a>
rdp	TCP	3389
Source type <a href="#">Info</a>	Source <a href="#">Info</a>	Description - optional <a href="#">Info</a>
Anywhere	0.0.0.0/0	e.g. SSH for admin desktop

▼ Security group rule 2 (TCP, 80, 0.0.0.0/0) Remove

Type <a href="#">Info</a>	Protocol <a href="#">Info</a>	Port range <a href="#">Info</a>
HTTP	TCP	80
Source type <a href="#">Info</a>	Source <a href="#">Info</a>	Description - optional <a href="#">Info</a>
Anywhere	0.0.0.0/0	e.g. SSH for admin desktop

Now in Configure storage given as 30

### ▼ Configure storage [Info](#) [Advanced](#)

1x 30 GiB gp2 Root volume (Not encrypted)

[Free tier eligible customers can get up to 30 GB of EBS General Purpose \(SSD\) or Magnetic storage](#)

[Add new volume](#)

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

[Click refresh to view backup information](#)

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems [Edit](#)

Here is summary of our instance, also here I can specify

▼ Summary

Number of instances

Info

1

Software Image (AMI)

Microsoft Windows Server 2022 ...read more

ami-00d990e7e5ece7974

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

Cancel

Launch instance

Review commands

Now our instance is created

aws

Services

Search

[Alt+S]

N. Virginia

Sarvesh Chaudhari

EC2 Dashboard

EC2 Global View

Events

Console-to-Code

Preview

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

New

▼ Images

Instances (1/1)

Info

Refresh

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

Any state

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm s
<input checked="" type="checkbox"/>	sarvesh01	i-03a16354ea44fad91	Running	t2.micro	2/2 checks passed	View al

Instance: i-03a16354ea44fad91 (sarvesh01)

▼ Instance summary

Info

Instance ID

i-03a16354ea44fad91 (sarvesh01)

Public IPv4 address

18.208.247.89

open address

Private IPv4 addresses

172.31.31.144

IPv6 address

-

Instance state

Running

Public IPv4 DNS

ec2-18-208-247-89.compute-1.amazonaws.com

open address

Hostname type

Private IP DNS name (IPv4 only)

Now lets try to connect to our instance.

EC2 > Instances > i-03a16354ea44fad91 > Connect to instance

Connect to instance

Info

Connect to your instance i-03a16354ea44fad91 (sarvesh01) using any of these options

Session Manager

RDP client

EC2 serial console

Instance ID

i-03a16354ea44fad91 (sarvesh01)

Connection Type

Connect using RDP client

Download a file to use with your RDP client and retrieve your password.

Connect using Fleet Manager

To connect to the instance using Fleet Manager Remote Desktop, the SSM Agent must be installed and running on the instance. For more information, see Working with SSM Agent

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

Scroll down and click on get password upload private key file and click on decrypt

Key pair associated with this instance

b12

Private key

Either upload your private key file or copy and paste its contents into the field below.

Upload private key file

b12.pem  
1.678KB

Private key contents - optional

```
-----BEGIN RSA PRIVATE KEY-----
MIIEpAIBAAKCAQEAphYmKOp1cagh6kznaAnYXdnM+gssclFsA8449lInE+OslJw1
eHbJ/7SsoqyXRIEA9BGCoK62uJlA1D2g3r9bQ3scru19q4XL/94J6N4Yg/1NozH
EkMLZU0slNTL/NNhjTe9VLbsp+J/E9vg33rrFaXhd5uGdFZvlbqxdS6XtbQIE6z
0zpnz2TlacXHUGPSLiVGZHgDixlv6JQ2CLEjLH66LrNY12U4HYDuHaP5xdiSLfWz
UEmTJQmm7wc5usbVhqrTUetpmqNulKH/xGmJ98oUKVaKpWfXyUO70lyw8vpyiXCA
FLxHa+jowSrr7MSeD18dRtkawArt9UN8Hm+ZbQIDAQABAoIBAEPi/spxEh8acYAk
2mwjQq7McpQ07sggT+jxosAEtR6ZhJR5Hg3cyD1AtrcF9APjd0U0eUjJOj6zy+i
-----
```

Cancel Decrypt password

Now download remote desktop file and then copy the decrypted password.

aws Services Search [Alt+S]

Instance ID  
i-03a16354ea44fad91 (sarvesh01)

Connection Type

- Connect using RDP client  
Download a file to use with your RDP client and retrieve your password.
- Connect using Fleet Manager  
To connect to the instance using Fleet Manager Remote Desktop, the SSM Agent must be installed and running on the instance. For more information, see [Working with SSM Agent](#)

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

Download remote desktop file

When prompted, connect to your instance using the following details:

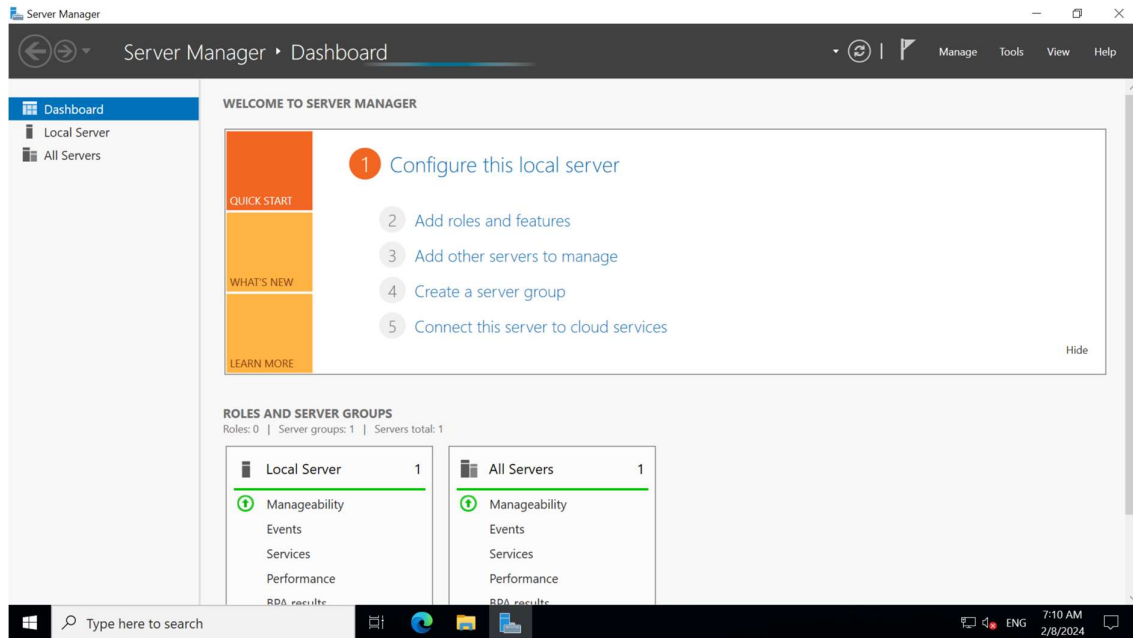
Public DNS ec2-54-92-200-217.compute-1.amazonaws.com	Username Administrator
---	---------------------------

Password copied

\$x\*!K@1VoWrki4ywbZa5lx;9ULYvD@.\$

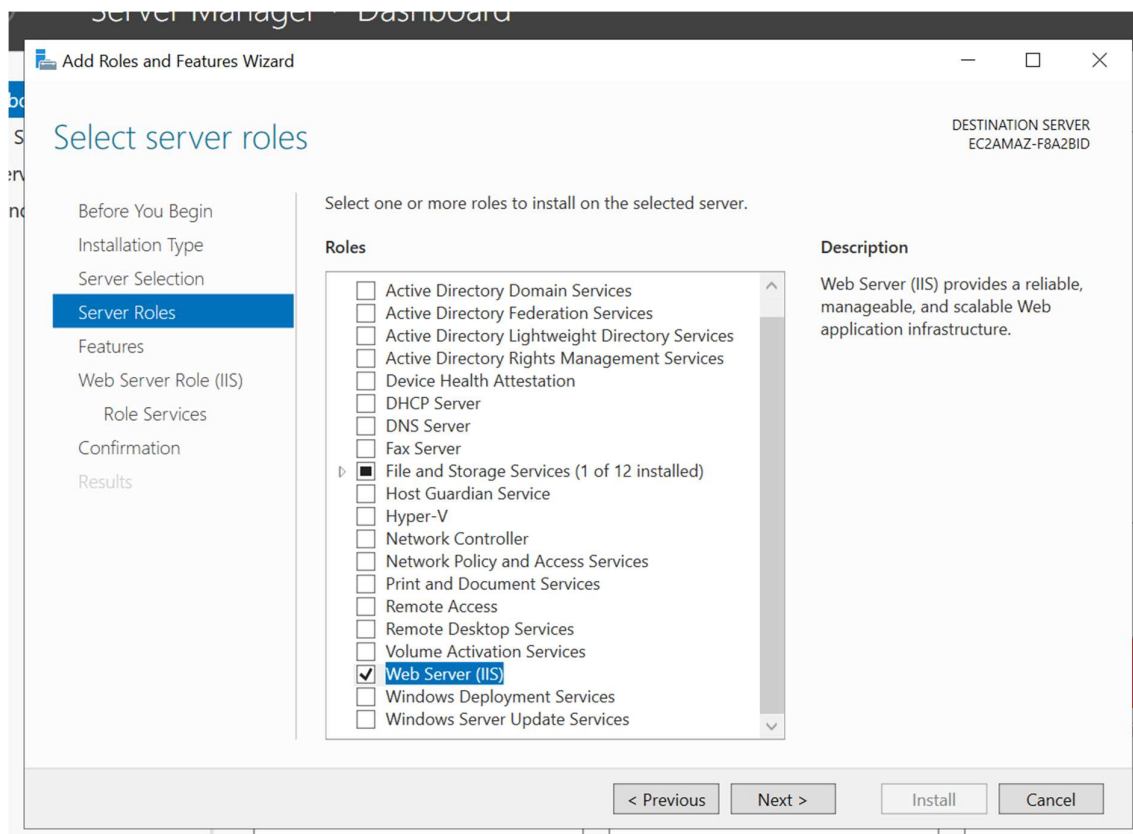
File download notifications:  
sarvesh01.rdp (98 B • Done)  
b12.pem (1.678 B • 21 minutes ago)

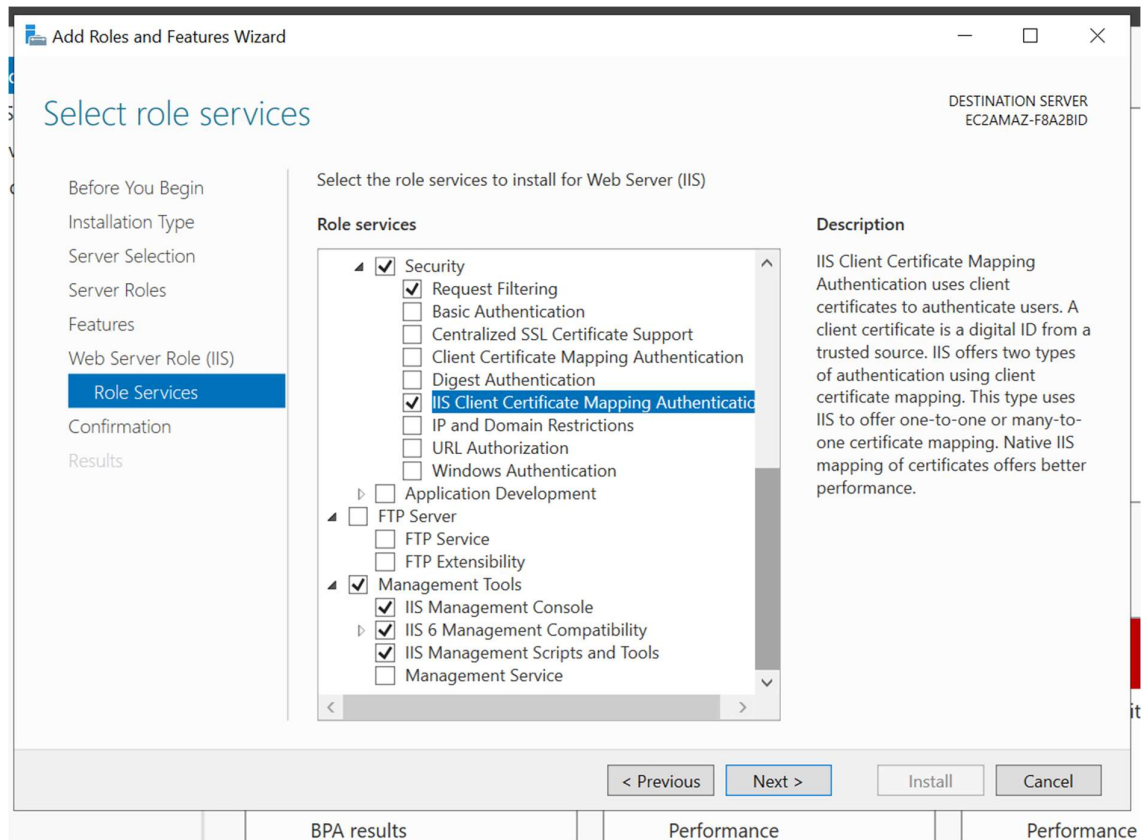
Now in VM click on windows search and select Server manager



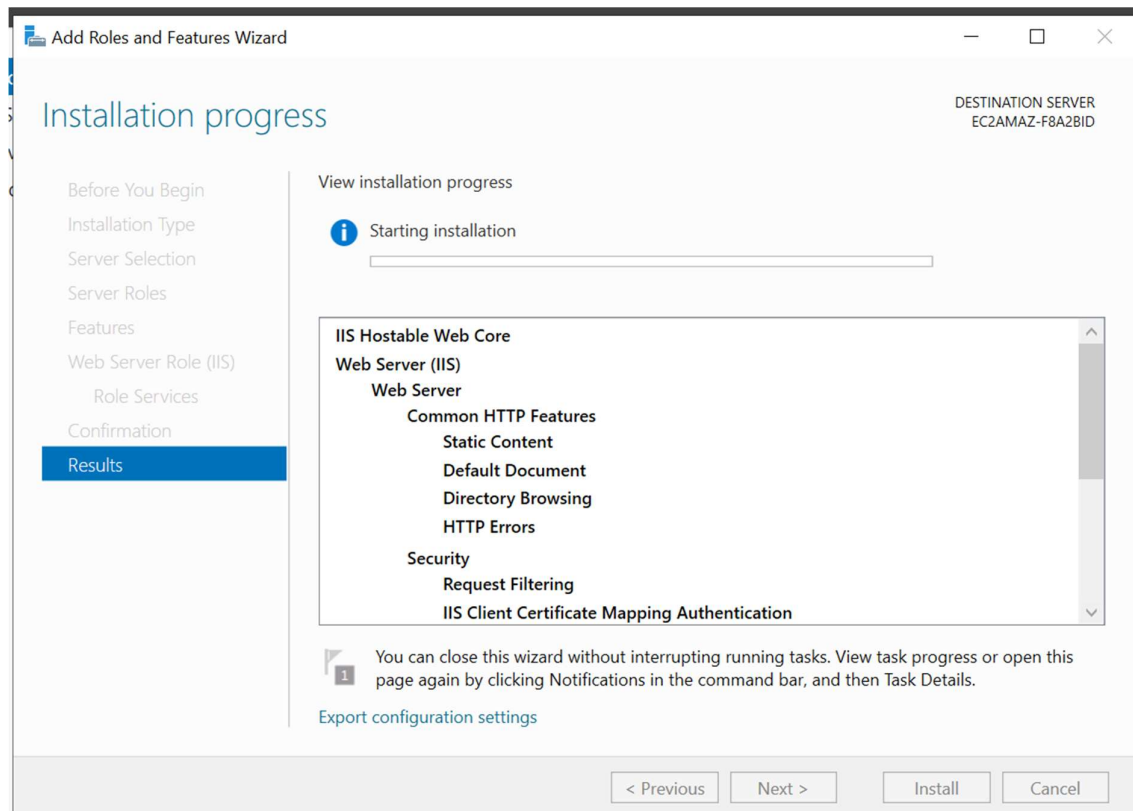
Click on 2<sup>nd</sup> option add roles and feature

Then select IIS all features



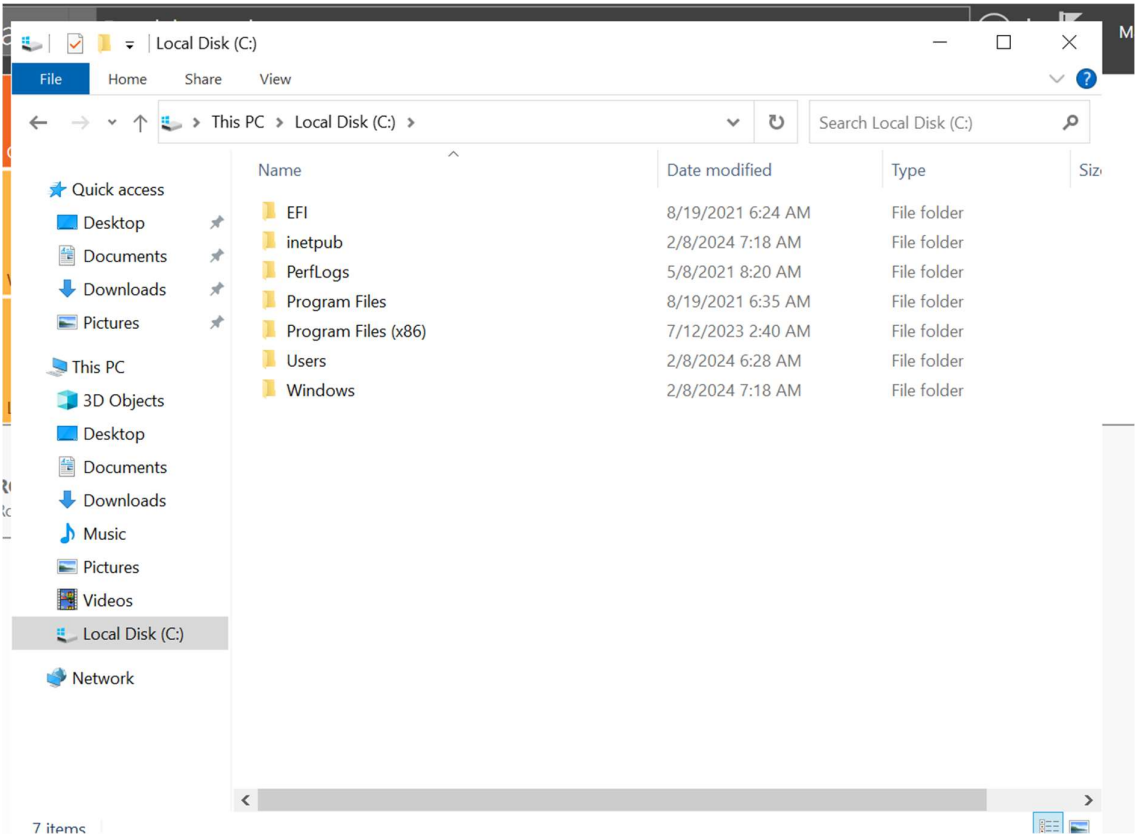


Now click on Install

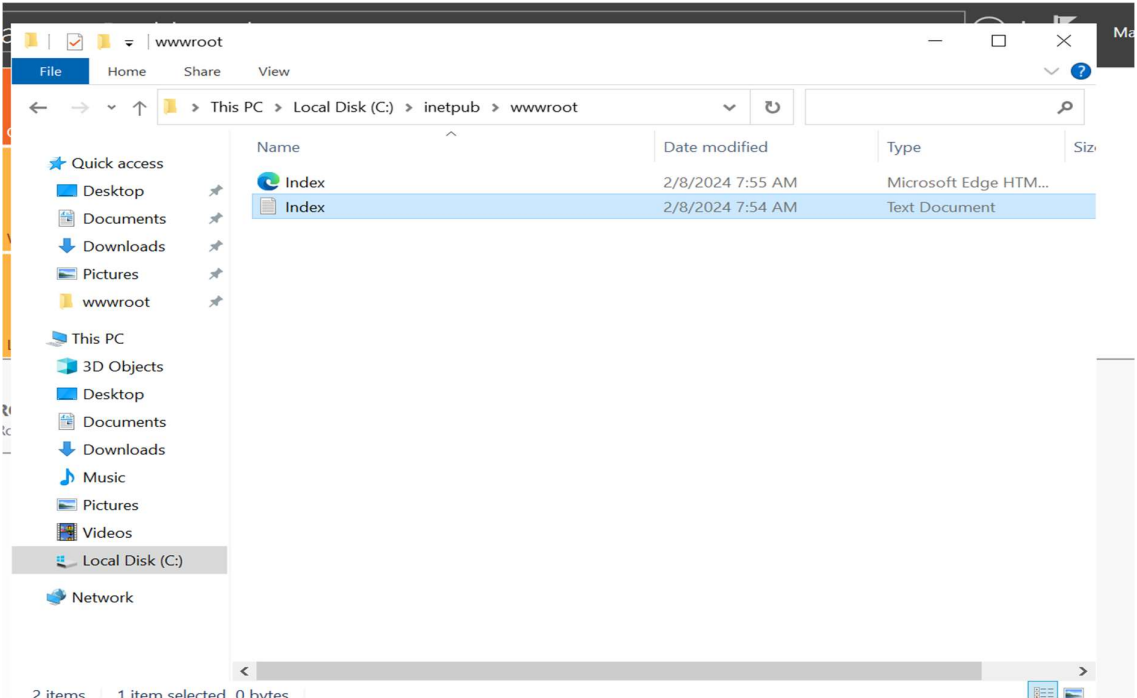




Now server created. Go to local file then local disk then inetpub then in wwwroot we have our website file

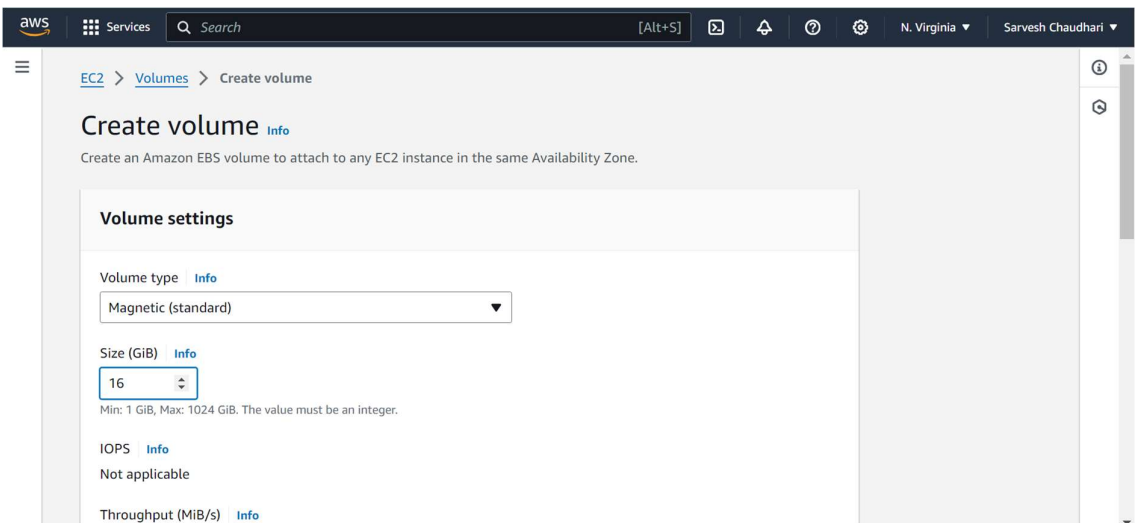
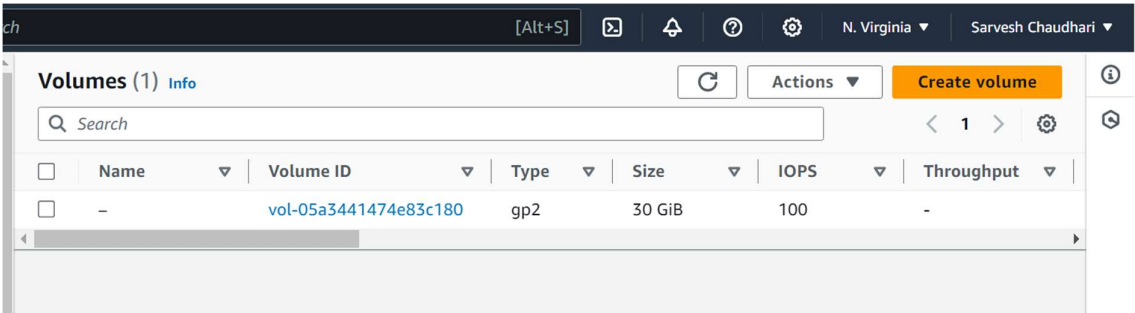


Now create new text file enter the text save it as name.html format then save file.

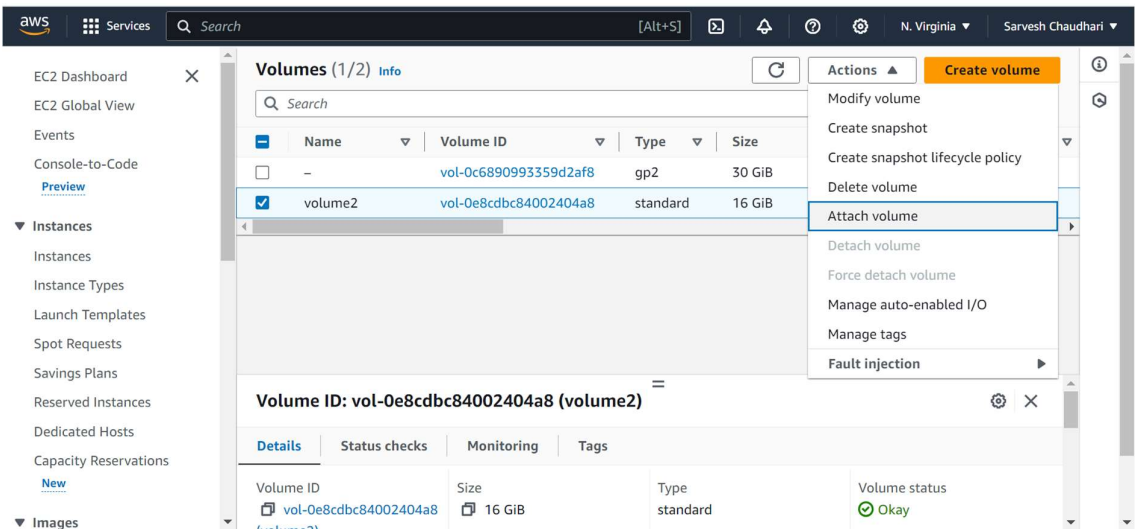


Now adding volume to the compute

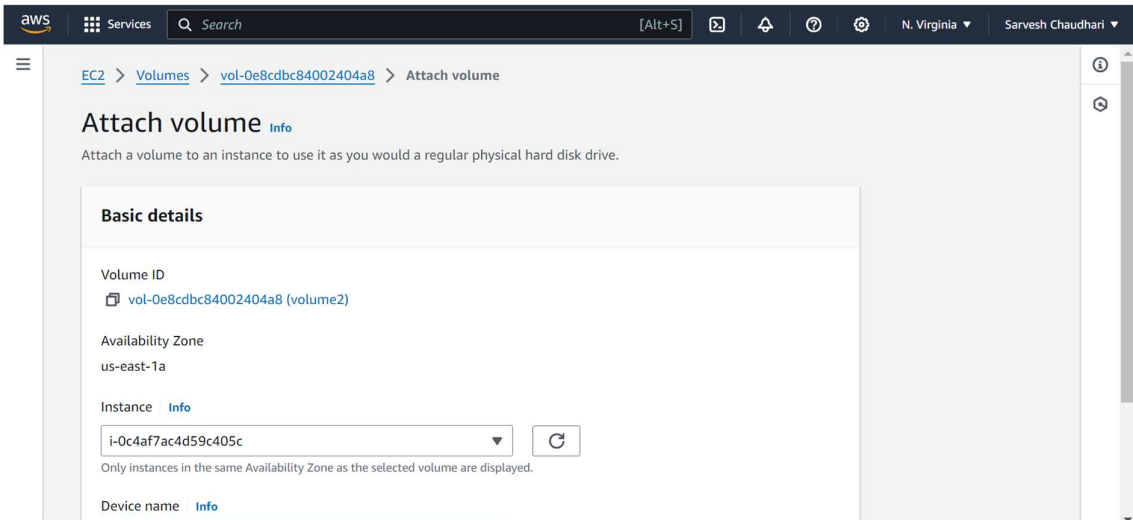
S1) Click on Create Volume



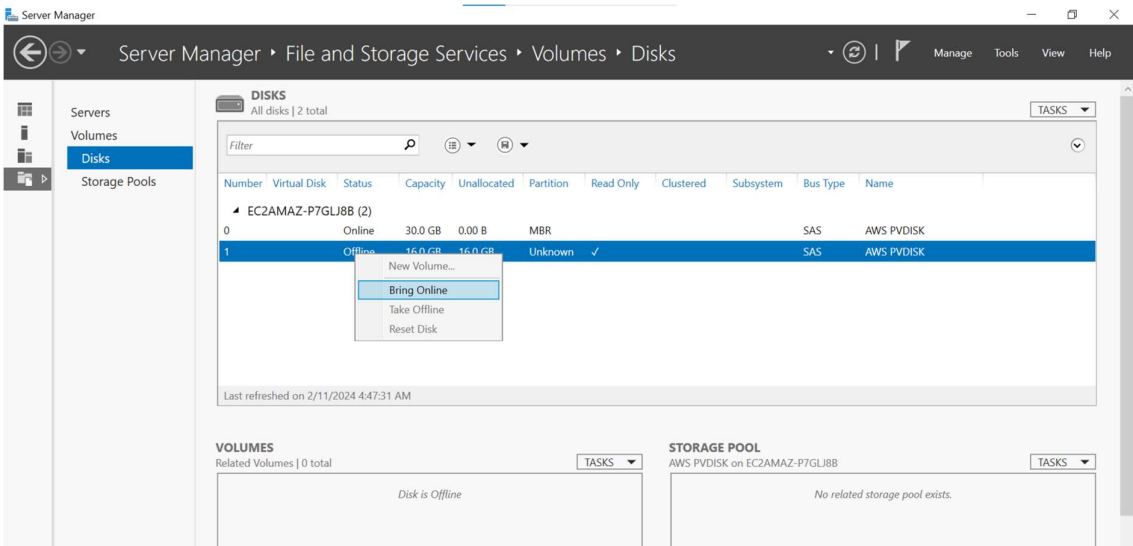
Create volume then from action attach volume.



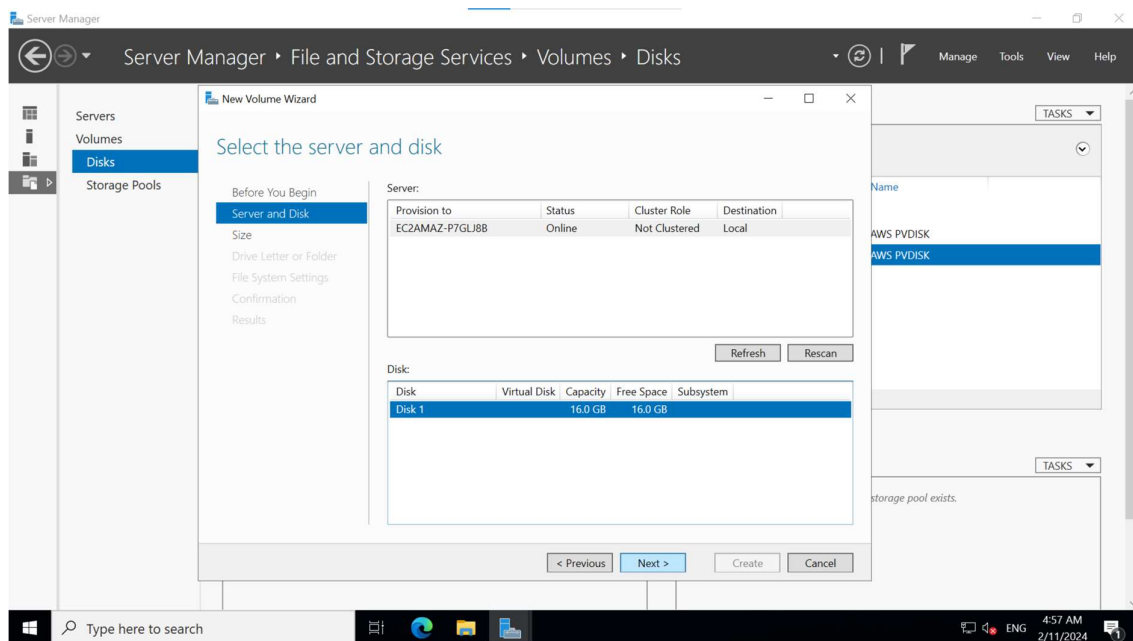
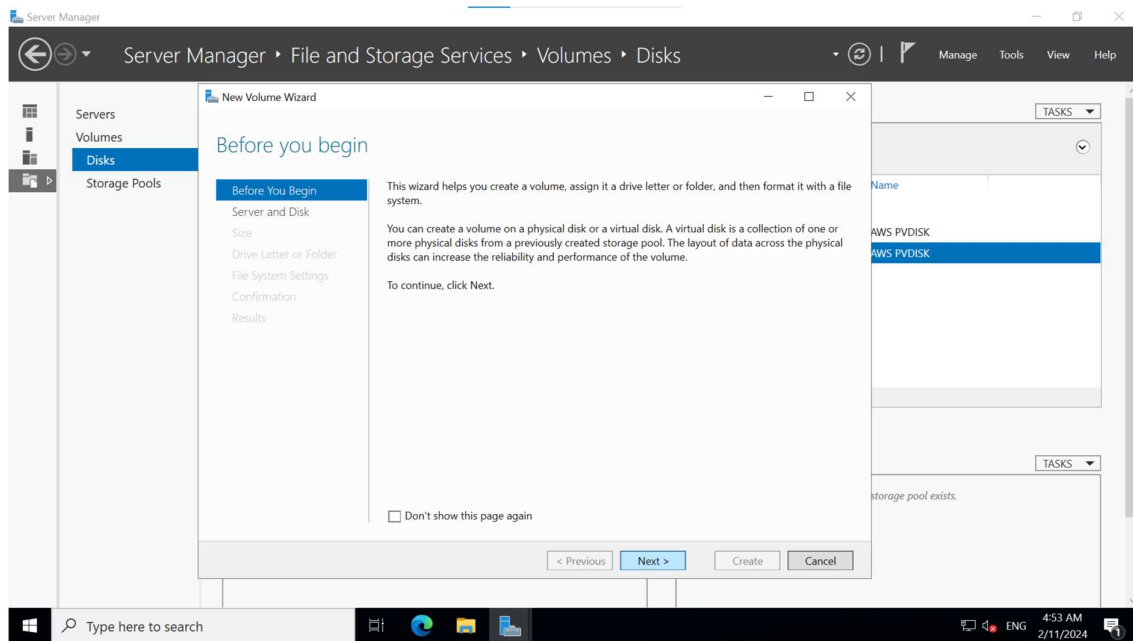
Select instance to attach volume.



Then in our machine select that volume Rt-click and Bring Online.



Now windows Wizard is open do all configuration then attach the volume.



You can use whole memory or its part.

