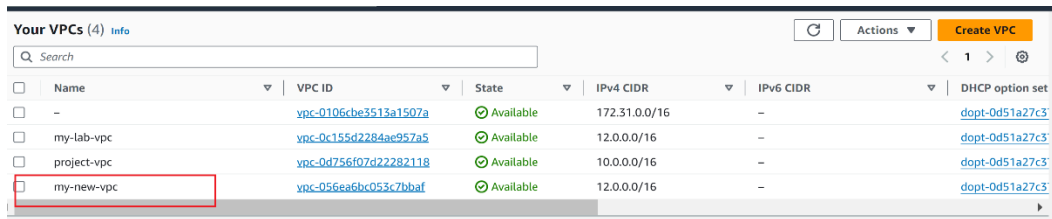


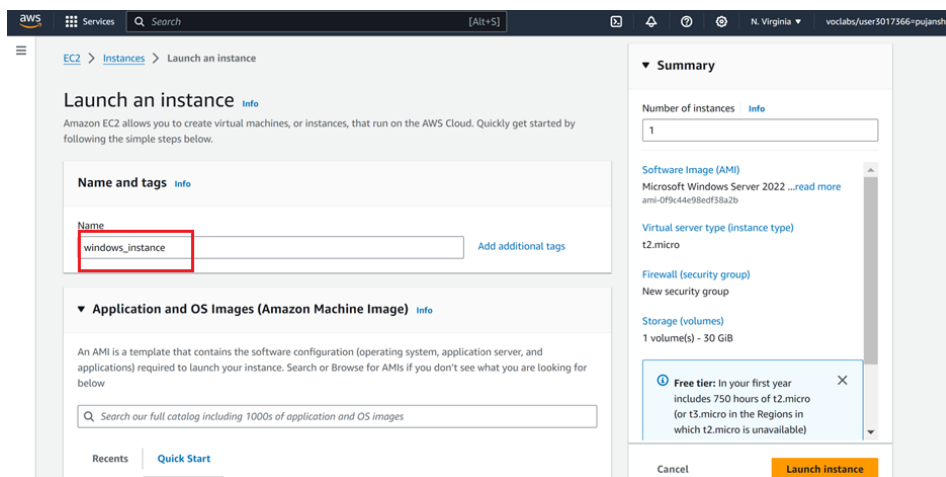
1. Hosting the Static Website on EC2 and accessing via public IP using VPC

First, we start by creating a VPC. We will be using our VPC that we created earlier.



	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set
<input type="checkbox"/>	-	vpc-0106che3513a1507a	Available	172.31.0.0/16	-	dopt-0d51a27c3
<input type="checkbox"/>	my-lab-vpc	vpc-0c155d2284ae957a5	Available	12.0.0.0/16	-	dopt-0d51a27c3
<input type="checkbox"/>	project-vpc	vpc-0d756f07d2282118	Available	10.0.0.0/16	-	dopt-0d51a27c3
<input checked="" type="checkbox"/>	my-new-vpc	vpc-056ea6bc053c7bbaf	Available	12.0.0.0/16	-	dopt-0d51a27c3

Next, we create an EC2 Instance with required configuration with our VPC



Launch an instance

Name and tags

Name:

Application and OS Images (Amazon Machine Image)

Search:

Summary

Number of instances: 1

Software Image (AMI): Microsoft Windows Server 2022 ...read more

Virtual server type (instance type): t2.micro

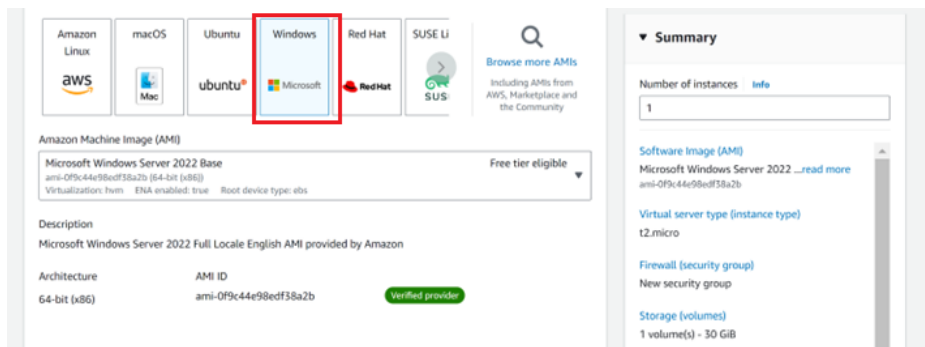
Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 30 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable)

Cancel Launch instance

Select Windows as AMI



Amazon Linux macOS Ubuntu **Windows** Red Hat SUSE Li

Amazon Machine Image (AMI)

Microsoft Windows Server 2022 Base

ami-0f9c44e98edf38a2b (64-bit (x86))

Free tier eligible

Description

Microsoft Windows Server 2022 Full Locale English AMI provided by Amazon

Architecture: 64-bit (x86) AMI ID: ami-0f9c44e98edf38a2b

Verified provider

Summary

Number of instances: 1

Software Image (AMI): Microsoft Windows Server 2022 ...read more

Virtual server type (instance type): t2.micro

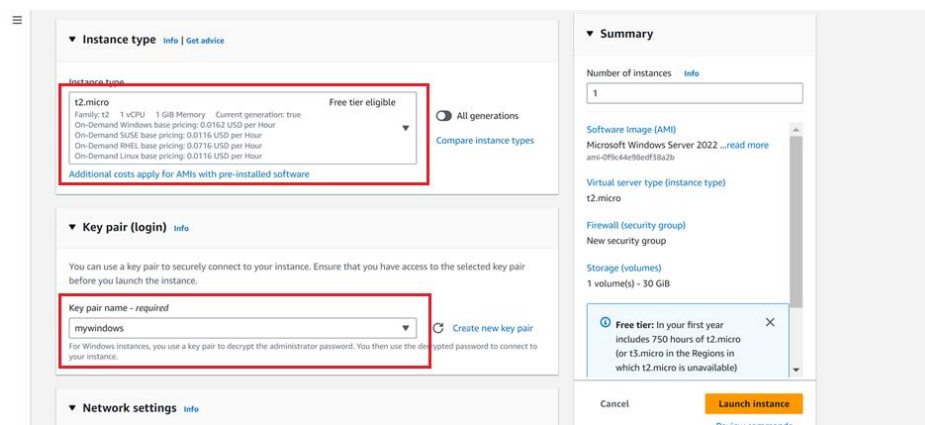
Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 30 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable)

Cancel Launch instance

Create a new key pair name. I have named it *mywindows.pem* and download it



Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory Current generation: true Free tier eligible

On-Demand Windows base pricing: 0.0162 USD per Hour

On-Demand SUSE base pricing: 0.0116 USD per Hour

On-Demand RHEL base pricing: 0.0116 USD per Hour

On-Demand Linux base pricing: 0.0116 USD per Hour

Additional costs apply for AMIs with pre-installed software

Key pair (login)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

mywindows

Create new key pair

For Windows instances, you use a key pair to decrypt the administrator password. You then use the decrypted password to connect to your instance.

Summary

Number of instances: 1

Software Image (AMI): Microsoft Windows Server 2022 ...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 30 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable)

Cancel Launch instance

Review commands

Now we auto assign our created VPC as select subnet as public subnet.

VPC - required [Info](#)

vpc-056ea6bc053c7bbaf (my-new-vpc)
12.0.0.0/16

Subnet [Info](#)

subnet-079b5cf3c05f4c899 my-new-public-subnet2
VPC: vpc-056ea6bc053c7bbaf Owner: 794872146236 Availability Zone: us-east-1b
IP addresses available: 249 CIDR: 12.0.3.0/24

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-5

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, A-Z, 0-9, spaces, and _-./!@#%&*~`|{}[]+=&:~!\$*

Description - required [Info](#)

launch-wizard-5 created 2024-03-01T05:13:29.329Z

Inbound Security Group Rules

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

Remove

Type [Info](#)

Protocol [Info](#)

Port range [Info](#)

rdp

TCP

3389

Source type [Info](#)

Source [Info](#)

Description - optional [Info](#)

Anywhere

Add CIDR, prefix list or security

0.0.0.0/0

e.g. SSH for admin desktop

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

Remove

Type [Info](#)

Protocol [Info](#)

Port range [Info](#)

HTTP

TCP

80

Source type [Info](#)

Source [Info](#)

Description - optional [Info](#)

Anywhere

Add CIDR, prefix list or security

0.0.0.0/0

e.g. SSH for admin desktop

▼ Security group rule 3 (TCP, 443, 0.0.0.0/0)

Remove

Type [Info](#)

Protocol [Info](#)

Port range [Info](#)

HTTPS

TCP

443

Source type [Info](#)

Source [Info](#)

Description - optional [Info](#)

▼ Summary

Number of instances [Info](#)

1

Software Image (AMI)

Microsoft Windows Server 2022 ...read more
ami-0f9c44e98edf38a2b

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

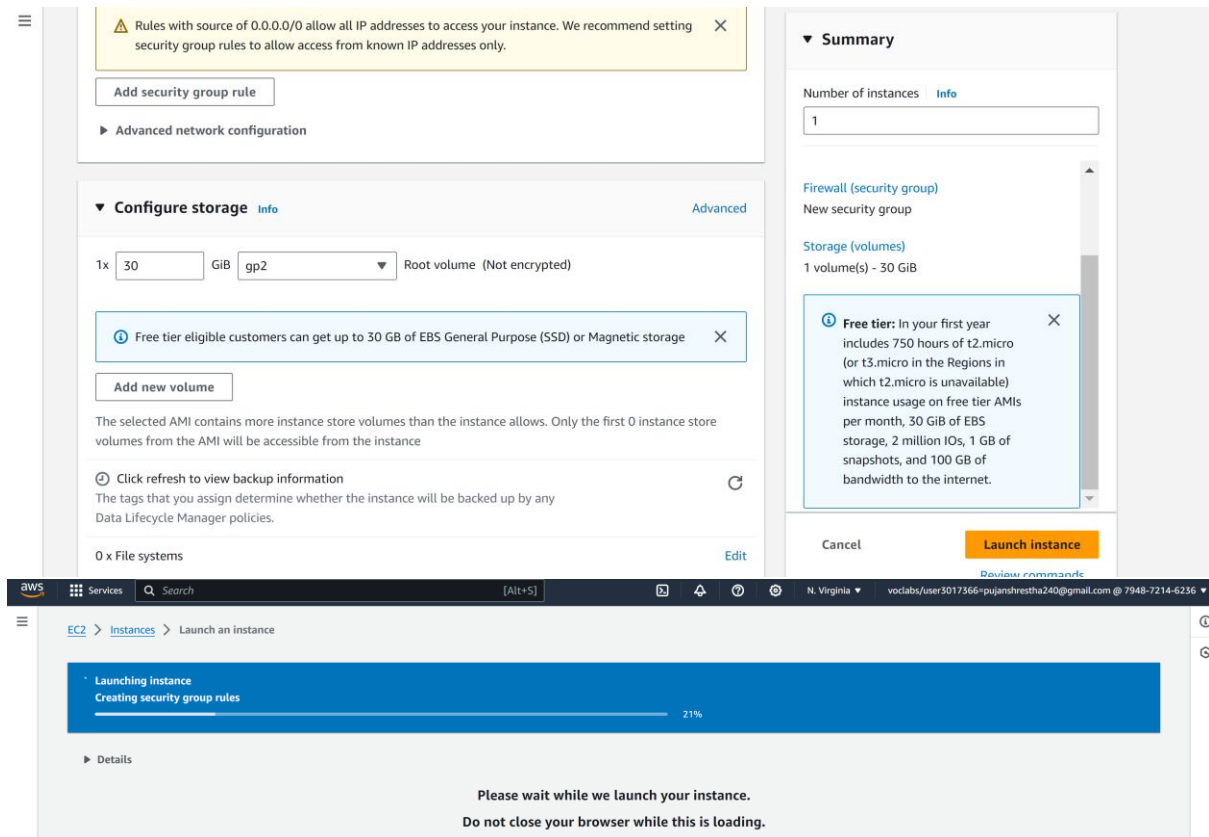
1 volume(s) - 30 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable)

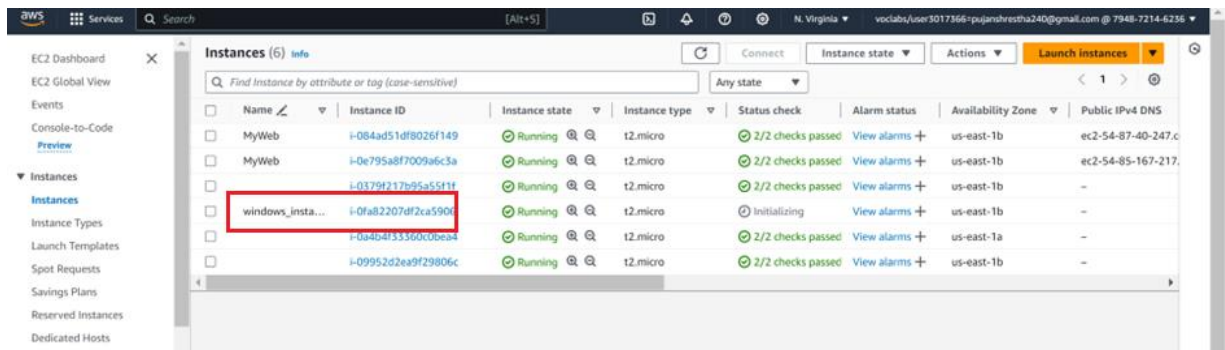
Cancel

Launch instance

Review commands



Our instance has been created with Windows as its AMI.



Connect EC2 and Select RDP Client

aws Services Search [Alt+S]

EC2 > Instances > i-0fc3f7be8aca8ac1d > Connect to instance

Connect to instance Info

Connect to your instance i-0fc3f7be8aca8ac1d (windows_instance) using any of these options

Session Manager **RDP client** EC2 serial console

Instance ID
i-0fc3f7be8aca8ac1d (windows_instance)

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 username and password:

Public IP
54.89.170.117

Username Info
Administrator

Password **Get password**

ⓘ If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

Cancel

Click the get password and upload our previously saved key pair .pem file

aws

Services

Search

[Alt+S]

EC2 > Instances > i-0fc3f7be8aca8ac1d > Get Windows password

Get Windows password

Info

Use your private key to retrieve and decrypt the initial Windows administrator password for this instance.

Instance ID

i-0fc3f7be8aca8ac1d (windows_instance)

Key pair associated with this instance

mywindows

Private key

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

Upload private key file

bootcamp1.pem

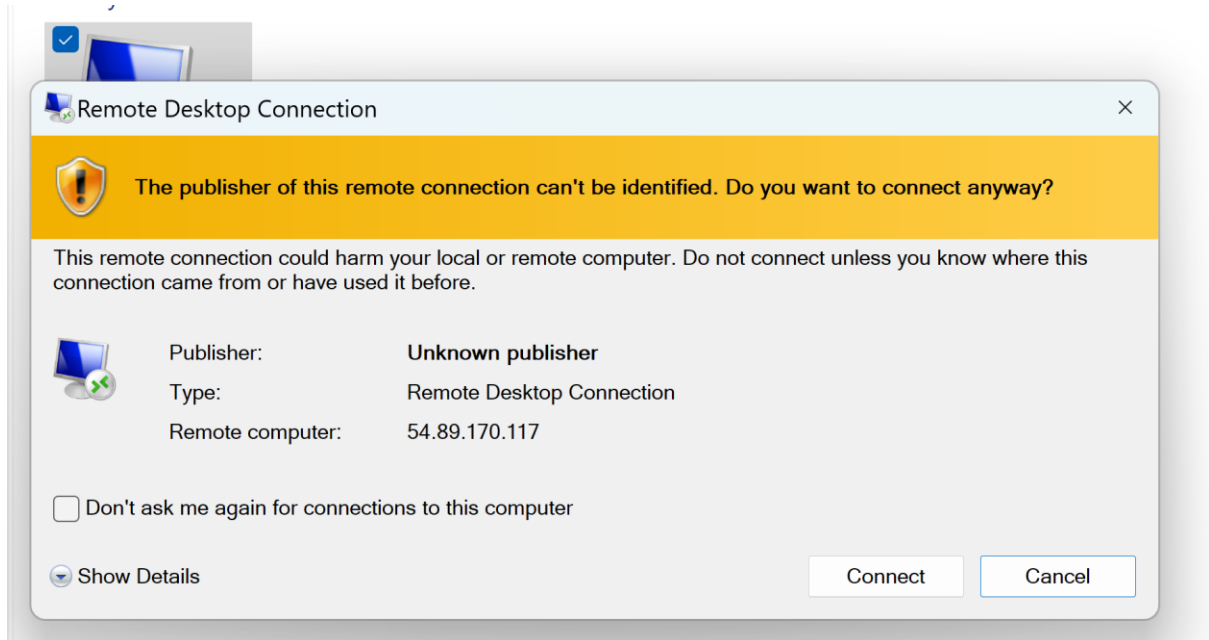
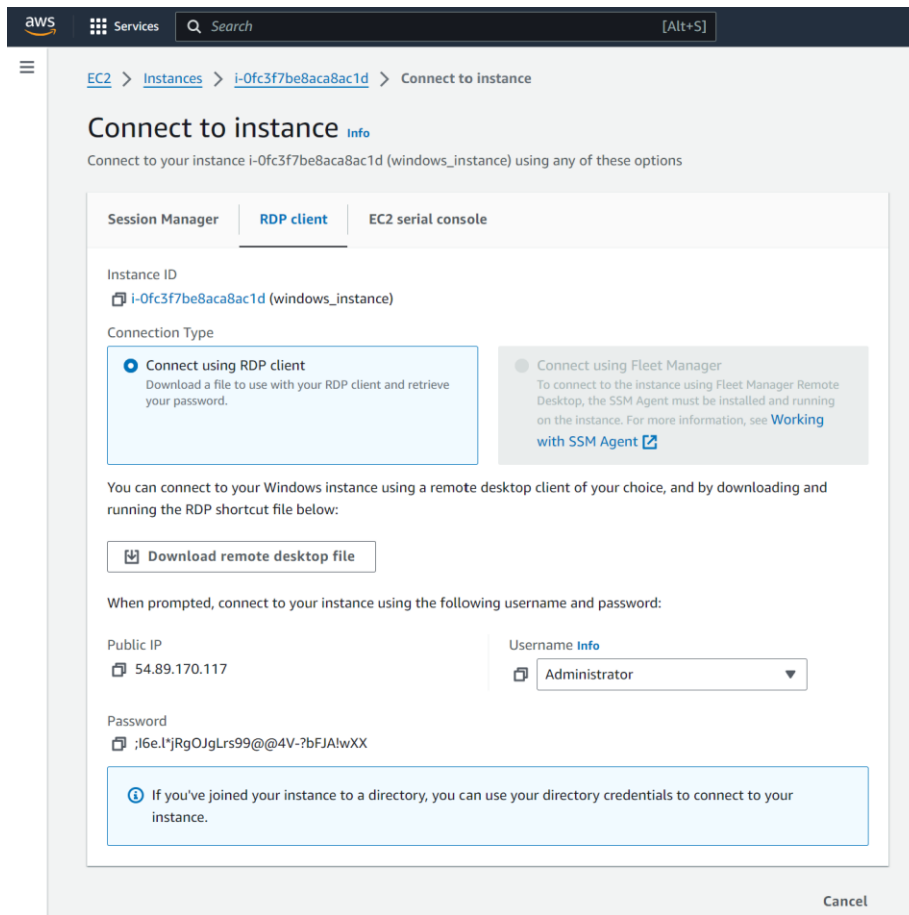
1.678KB

Private key contents - optional

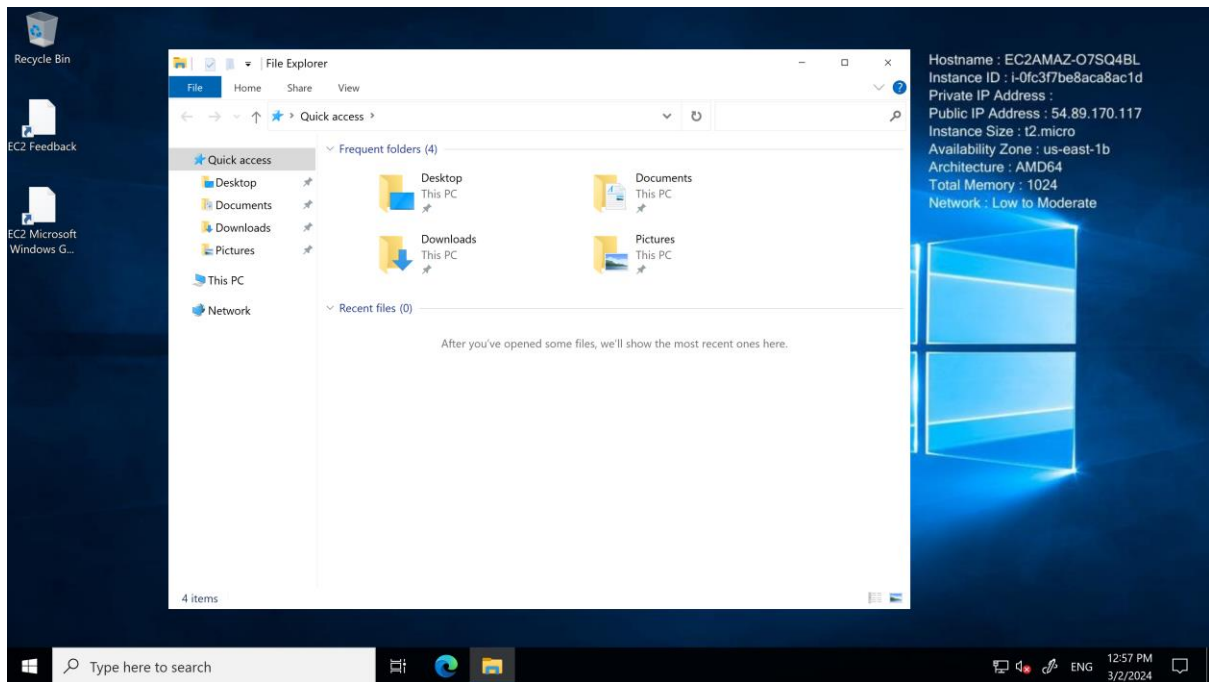
-----BEGIN RSA PRIVATE KEY-----
MIIEpAIBAAKCAQEAqnq3oaGbWC3ULEDP4UOiRFGHRLnMlla82zzlkAglUPai1Wwj
Q8kL3R3Y7uXGx2u66c1GN7AThfnH8l+0/ocUHL2pKNVpGDgHB5auhTkfSjPaQuw3
Z6agKzibnNGweTvVZfh/QV/+YogjpNJvXTHSbsWkaadY7ZRNMcSaNuu6mxJh24B3
PbnaWpyhMKb3oKdyOd6Std2cGOAJKvz2w4iRPRDcyUySiGSK13MTsGiOG7NeAgs/
7CvsUOdHKaCiTu/oqDtWa21rXovSJPVXJ9M/73t/RVGGKS5G+tKJeRYxTEF07YAc
6O353XKcfUUz1RlyyF/H2QFStkOFI1oRc9y9lwIDAQABAoIBAQCco1TGNe69/p3M
a2CV4cbebuqSwwSvvdKYviip7lIbKgJDhrCAP+GesSX5mzYhVWLQH8Q8tpO5rd+B

Cancel

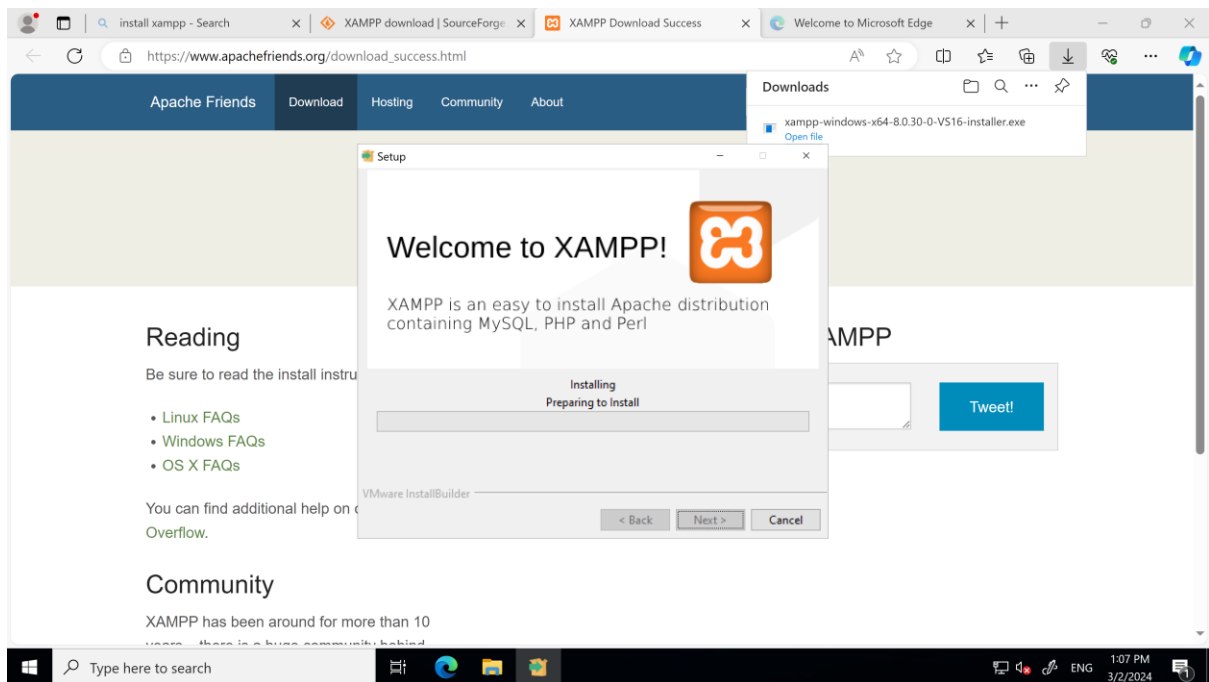
Decrypt password



Now we can access the EC2 Machine

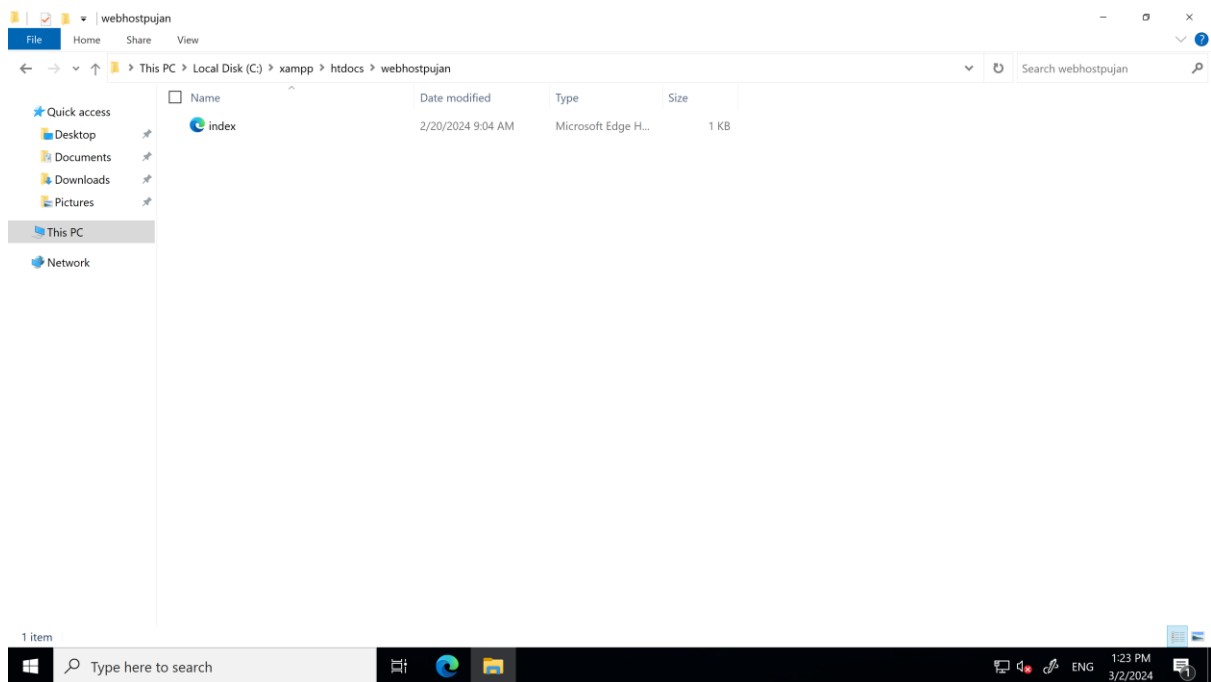


Next, we need to install xampp in our EC2 machine and create html folder and put the content for our Static Page.



After the installation is complete (while in the Windows AMI),

Open > C:\xampp\htdocs\ here, create a folder in my case(webhostpujan) and paste html file here (in my case index.html)



Now, copy the IP address from EC2 and access the static site.

Final Page: Here we have accessed our index.html from the Internet(Public).

