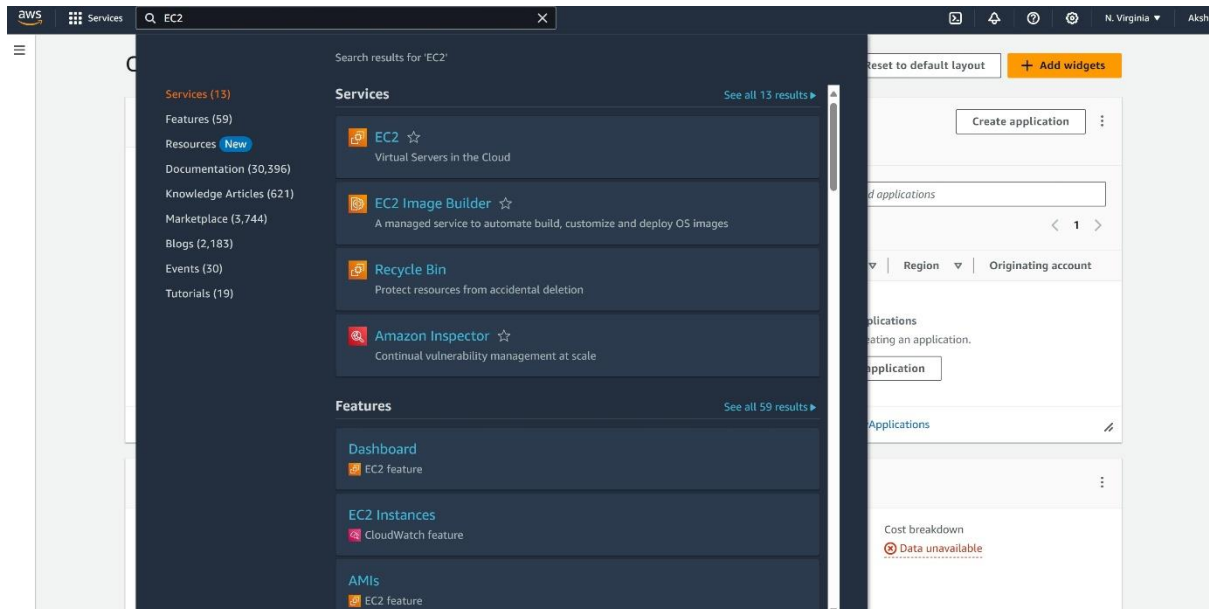
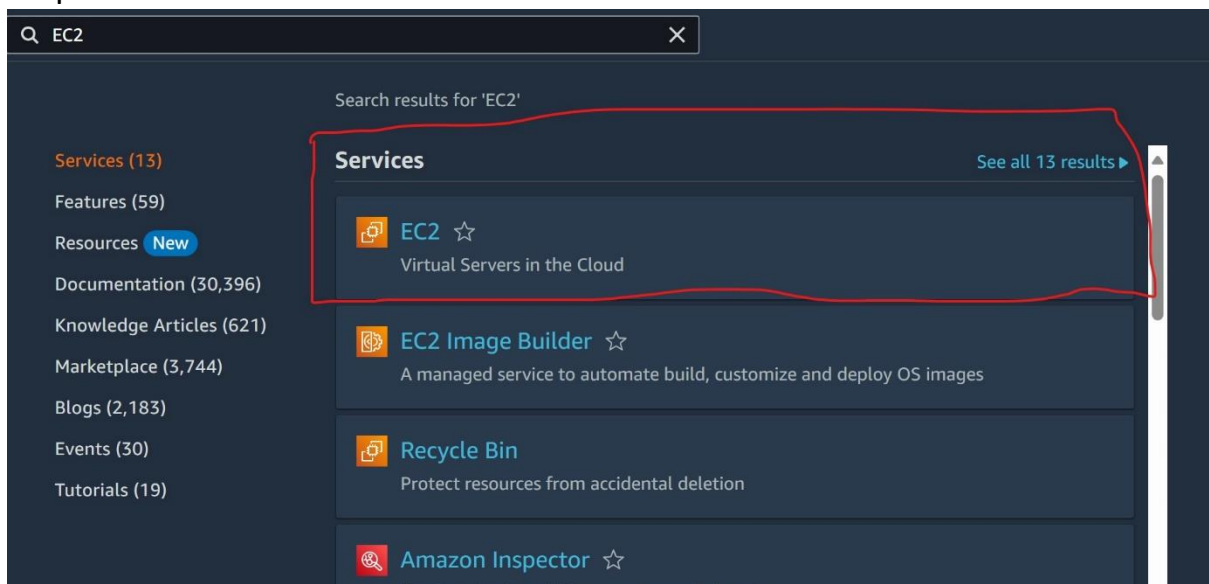


Creating a EC2 Windows Instance

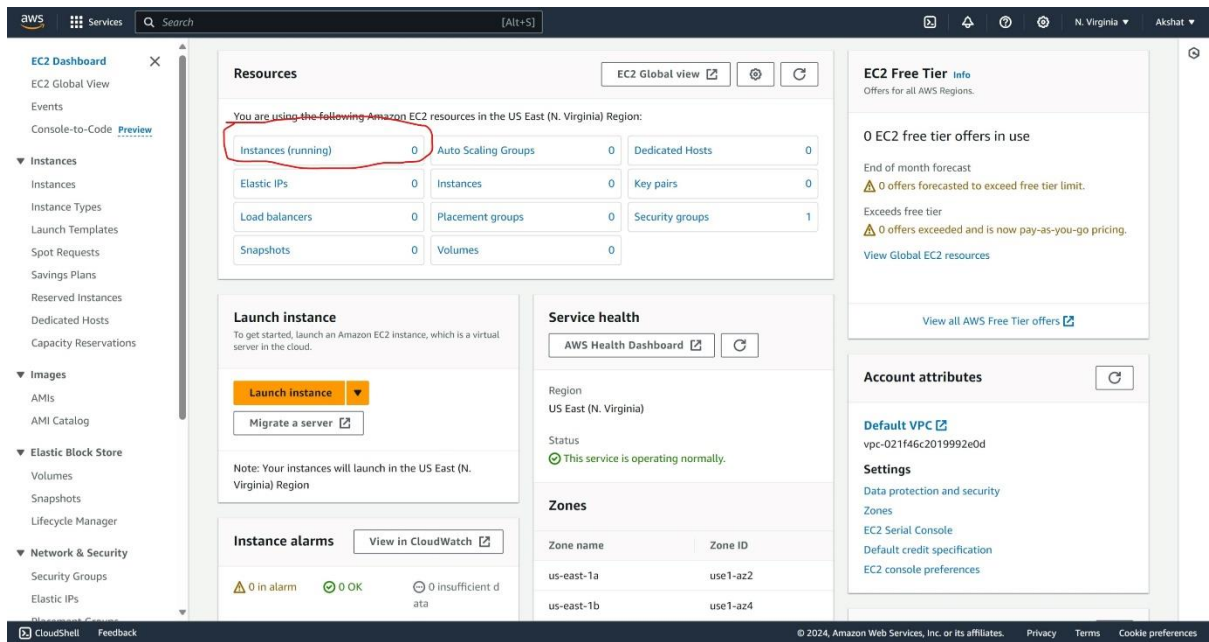
Step 1: Search for EC2



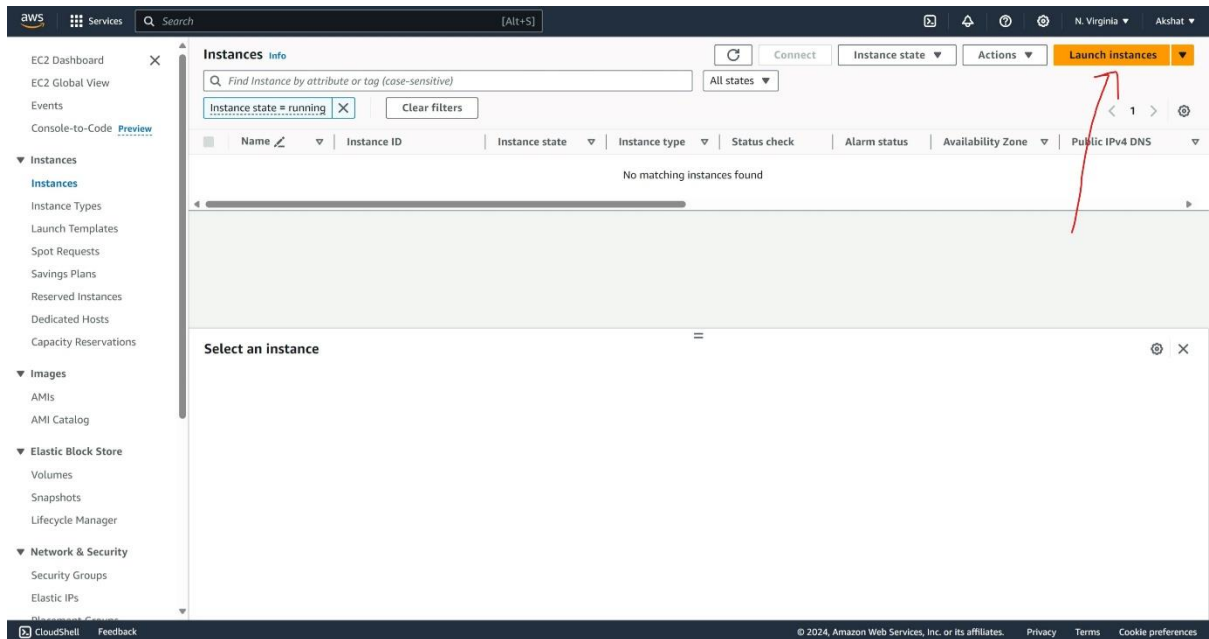
Step 2 : Click on the first EC2 Link



Step 3 : Click on The instance Running Button



Step 4 : Click on the launch instance button



Step 5 : Provide Name for the instance

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name

[Add additional tags](#)

Step 6 : Click on the Brows more AMIs

▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Quick Start



Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

ami-06c68f701d8090592 (64-bit (x86), uefi-preferred) / ami-07832e309d3f756c8 (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible ▼

Description

Amazon Linux 2023 is a modern, general purpose Linux-based OS that comes with 5 years of long term support. It is optimized for AWS and designed to provide a secure, stable and high-performance execution environment to develop and run your cloud applications.

Architecture

64-bit (x86) ▼

Boot mode

uefi-preferred

AMI ID

ami-06c68f701d8090592

Verified provider

Step 7 : find and select the windows AMI

Quickstart AMIs (47)
Commonly used AMIs

My AMIs (0)
Created by me

AWS Marketplace AMIs (10708)
AWS & trusted third-party AMIs

Community AMIs (500)
Published by anyone

Search for an AMI by entering a search term e.g. "Windows"

ubuntu

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type
ami-0a0e5d9c7acc336f1 (64-bit (x86)) / ami-070f589e4b4a3fce (64-bit (Arm))
Select

Ubuntu
Free tier eligible
Verified provider

Platform: ubuntu Root device type: ebs Virtualization: hvm ENA enabled: Yes

Microsoft

Microsoft Windows Server 2022 Base
ami-04df9ee4d3dfde202 (64-bit (x86))
Select

Windows
Free tier eligible
Verified provider

Platform: windows Root device type: ebs Virtualization: hvm ENA enabled: Yes

ubuntu

Ubuntu Server 20.04 LTS (HVM) with SQL Server 2022 Standard
ami-032346ab877c418af (64-bit (x86))
Select

Ubuntu
Verified provider

Platform: ubuntu Root device type: ebs Virtualization: hvm ENA enabled: Yes

ubuntu

Ubuntu Pro - Ubuntu Server Pro 24.04 LTS (HVM), SSD Volume Type
ami-0103953a003440c37 (64-bit (x86)) / ami-0e879a1b306fffb22 (64-bit (Arm))
Select

Ubuntu
Verified provider

Platform: ubuntu Root device type: ebs Virtualization: hvm ENA enabled: Yes

Then this will appear like this

▼ Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

AMI from catalog

Quick Start

Name

Windows_Server-2022-English-Full-Base-2024.06.13

Verified provider

Free tier eligible

Description

Microsoft Windows Server 2022 Full Locale English AMI provided by Amazon

Image ID

ami-04df9ee4d3dfde202

Catalog

Published

Architecture

Virtualization

Root device type

ENA Enabled

Quickstart AMIs

2024-06-13T20:26:13.000Z

x86_64

hvm

ebs

Yes

Search

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Step 8 : choose the instance type as t2.micro as it's free tier eligible

▼ Instance type [Info](#) | [Get advice](#)

Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory Current generation: true

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: 0.026 USD per Hour

On-Demand Linux base pricing: 0.0116 USD per Hour

Free tier eligible

☒ All generations

[Compare instance types](#)

[Additional costs apply for AMIs with pre-installed software](#)

Step 9 : Click on create new keypair

▼ Key pair (login) [Info](#)

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*

windows

▼

↻

[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.

Step 10 : give name to you key pair and click create key pair

Create key pair

×

Key pair name

Key pairs allow you to connect to your instance securely.

Enter key pair name

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

⚠

When prompted, store the private key in a secure and accessible location on your computer. **You will need it later to connect to your instance.** [Learn more](#) 

Cancel

Create key pair

Step 11 : a file name given file names with .pem extension will be downloaded

The screenshot displays the AWS Management Console's 'Launch an instance' wizard. The 'Instance type' is set to 't2.micro', which is eligible for the 'Free tier'. The 'Key pair (login)' section is currently selected, showing a dropdown menu with 'windows' as the chosen key pair. A 'Create new key pair' button is visible. The 'Network settings' section shows the 'vpc-021f46c2019992e0d' and 'Subnet' set to 'No preference'. A 'Summary' panel on the right lists the configuration: 1 instance, Microsoft Windows Server 2022 AMI, t2.micro instance type, new security group, and 1 30 GiB volume. A 'Free tier' notice indicates that the first year of usage for t2.micro instances is free. On the right side of the browser window, a download bar is open, showing a list of files. The first file is 'Screenshot-7-7-2024-122...ole.aws.amazon.com.jpeg'. Below it, a file named 'windows.pem' is listed, which is the file mentioned in the step description. The Windows taskbar at the bottom shows the system clock as 12:27 on 07/07/2024.

Step 12 : Click on edit

▼ Network settings [Info](#)

Edit

Network [Info](#)

vpc-021f46c2019992e0d

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

Additional charges apply when outside of free tier allowance

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

We'll create a new security group called 'launch-wizard-1' with the following rules:

☒ Allow RDP traffic from

Helps you connect to your instance


Anywhere
0.0.0.0/0

☐ Allow HTTPS traffic from the internet

To set up an endpoint, for example when creating a web server

☐ Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server

 Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

×

hell Feedback

Step 13 : Change the security group name

Security group name - *required*

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](#)

Inbound Security Group Rules

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

[Remove](#)

Type [Info](#)

Protocol [Info](#)

Port range [Info](#)

Source type [Info](#)

Source [Info](#)

Description - *optional* [Info](#)

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

[×](#)

Step 14 : Click on launch instance button

ami-04df9ee4d3dfde202

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) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel

Launch instance

Review commands

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

1x GiB 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

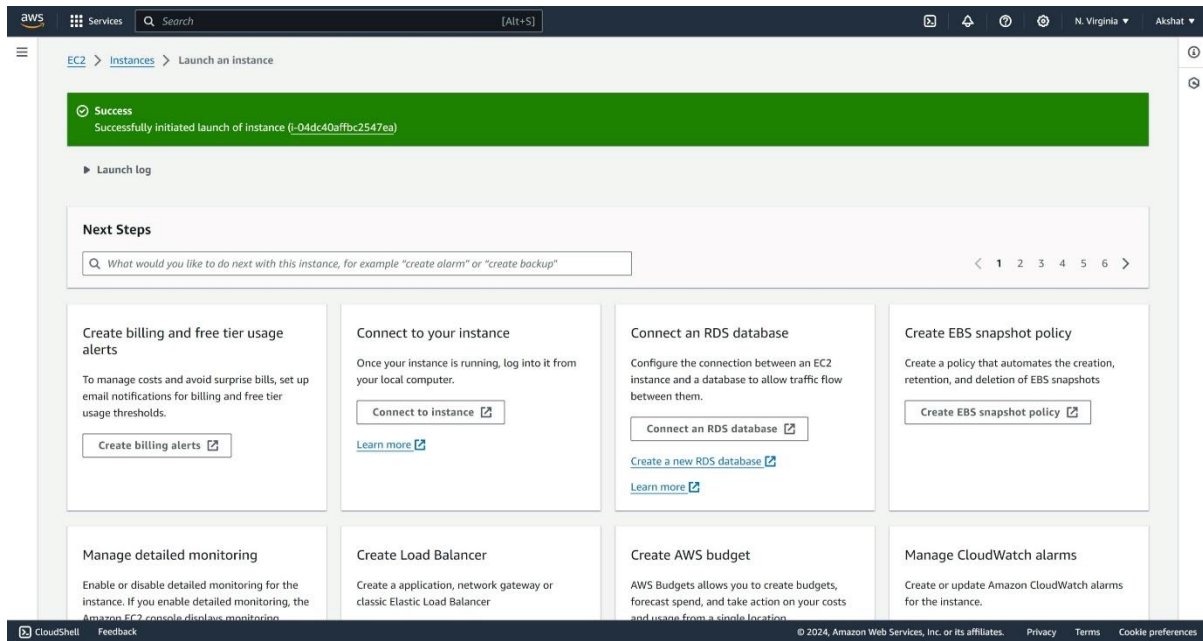
Click refresh to view backup information

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

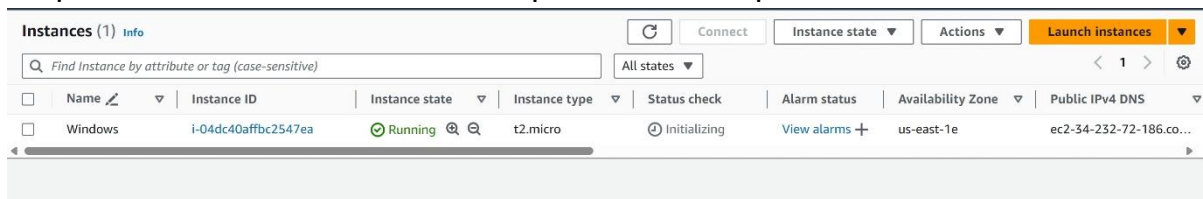
0 x File systems [Edit](#)

► Advanced details [Info](#)

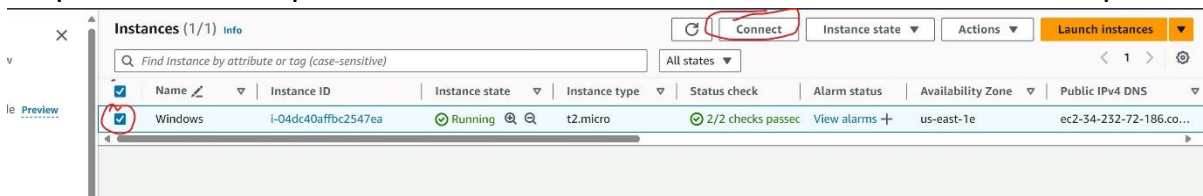
Step 15 : go down this page and click on view all instances



Step 16 : Wait for the initialization part to be completed



Step 17 : After the process select the instance and click on the connect option



Step 18 : Click on the RDP client since we can connect windows system using RDP client only

Session Manager

RDP client

EC2 serial console

Instance ID
i-04dc40affbc2547ea (Windows)

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 DNS
ec2-34-232-72-186.compute-1.amazonaws.com

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.

Step 19: Click on the get Password button and upload the .pem file downloaded earlier and click on decrypt password

Get Windows password [Info](#)

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

Instance ID


 i-04dc40affbc2547ea (Windows)

Key pair associated with this instance

 windows

Private key

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

 Upload private key file

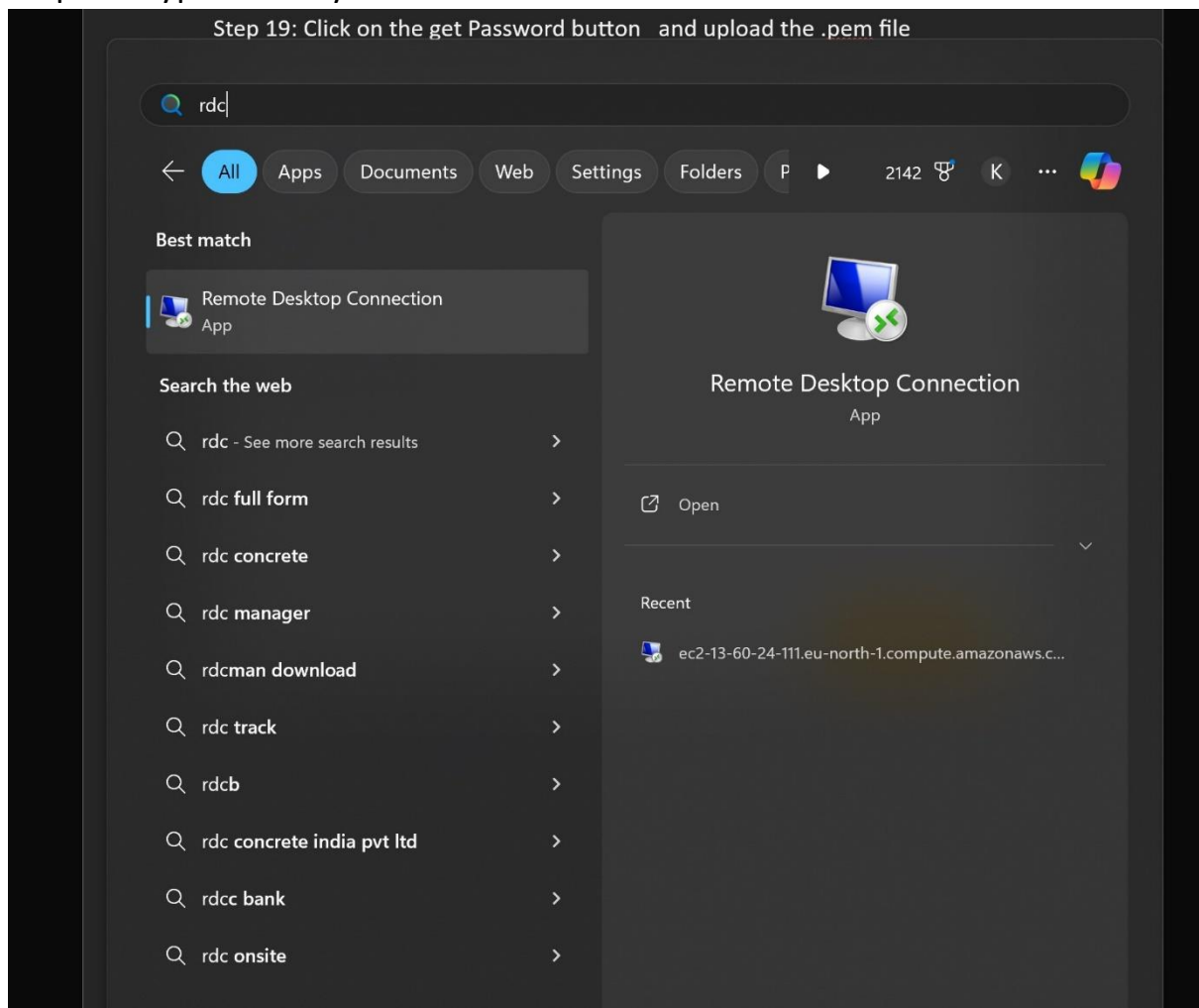
Private key contents - *optional*

Private key contents

Cancel

Decrypt password

Step 18 : type RDC in you local machine in search bar



Step 19 : Fill the necessary details from the page in RDC

Remote Desktop Connection

Remote Desktop Connection

General Display Local Resources Experience Advanced

Log-on settings

Enter the name of the remote computer.

Computer:

Username:

The computer name field is blank. Enter a full remote computer name.

Connection settings

Save the current connection settings to an RDP file or open a saved connection.

Session Manager

RDP client

EC2 serial console

Instance ID


 i-04dc40affbc2547ea (Windows)

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 DNS


 ec2-34-232-72-186.compute-1.amazonaws.com

Username [Info](#)

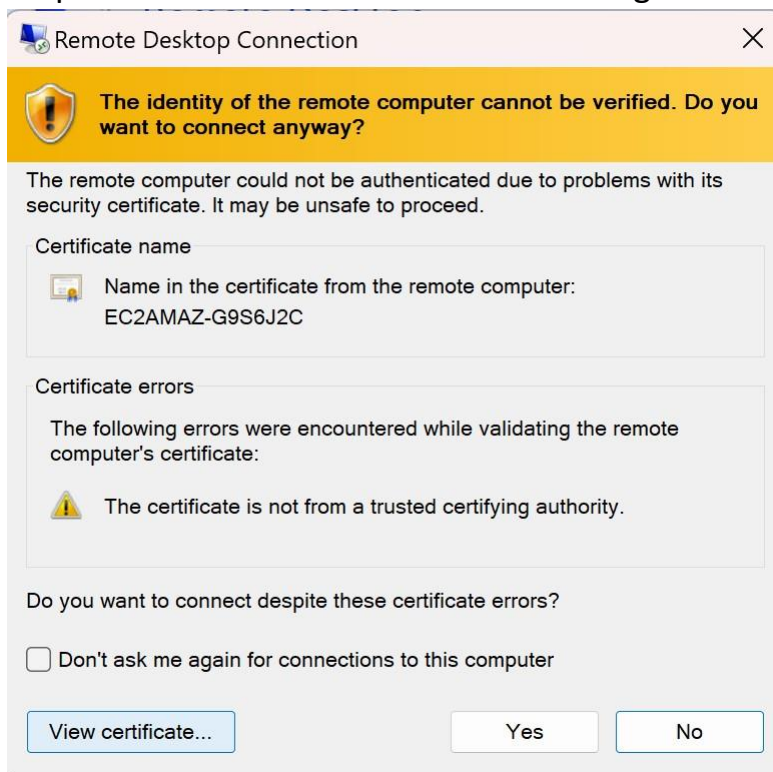
 Administrator ▼

Password

 N4yZFPNkFawtTBO;Yf6sk9dUCHmJEfZ2

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

Step 20 : Click on the ok button after filling the details



Step 21 : a box will be opened like this with the remote windows

