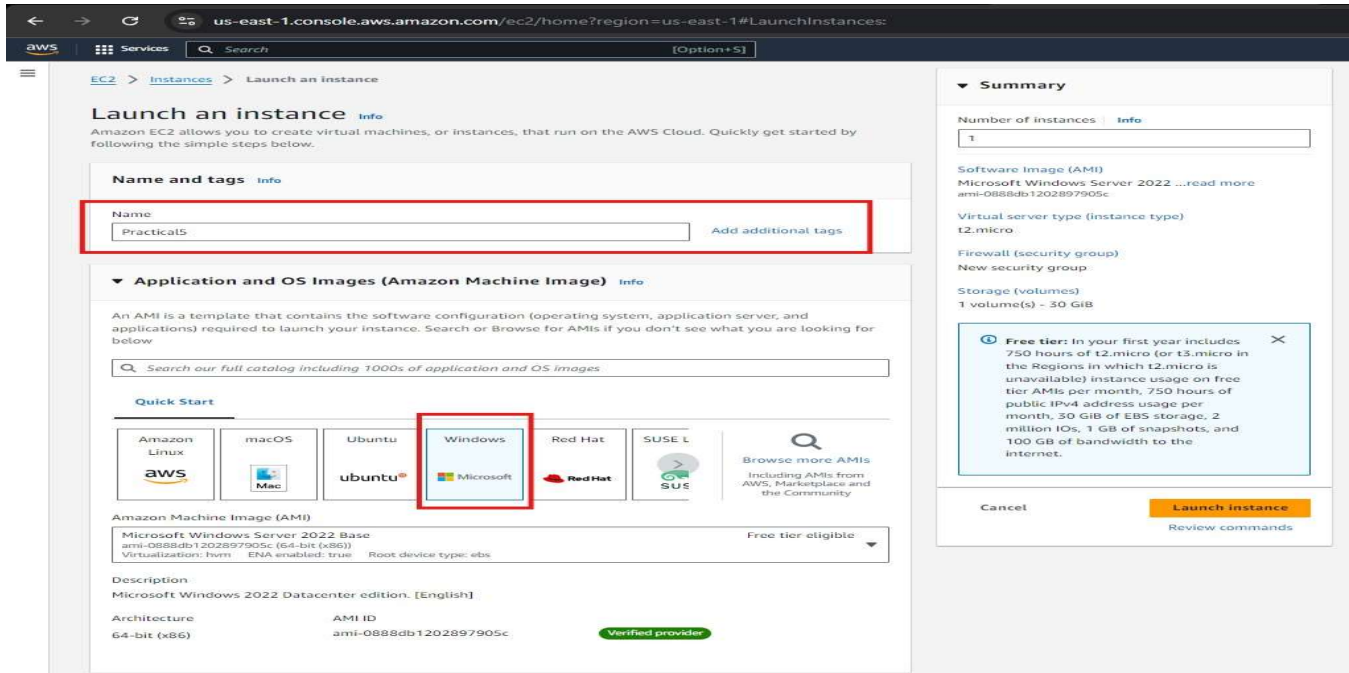


Practical 5: Amazon EC2 instances with Microsoft Windows.

Step 01: Open your AWS > Module section > Sandbox > Load Sandbox > Start Lab > AWS > Type in search box “EC2” then click on first link > Click on “Launch Instance” then create INSTANCE after you go to “Instance Running” then click on your check box after click on “Connect”.

Screenshot:



us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Launch an instance

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

Name: Add additional tags

Application and OS Images (Amazon Machine Image)

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

Quick Start

Amazon Linux, macOS, Ubuntu, **Windows**, Red Hat, SUSE L

Amazon Machine Image (AMI)

Microsoft Windows Server 2022 Base ami-0888db1202897905c (64-bit (x86))

Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Description: Microsoft Windows 2022 Datacenter edition. [English]

Architecture: 64-bit (x86) AMI ID: ami-0888db1202897905c

Verified provider

Summary

Number of instances: 1

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

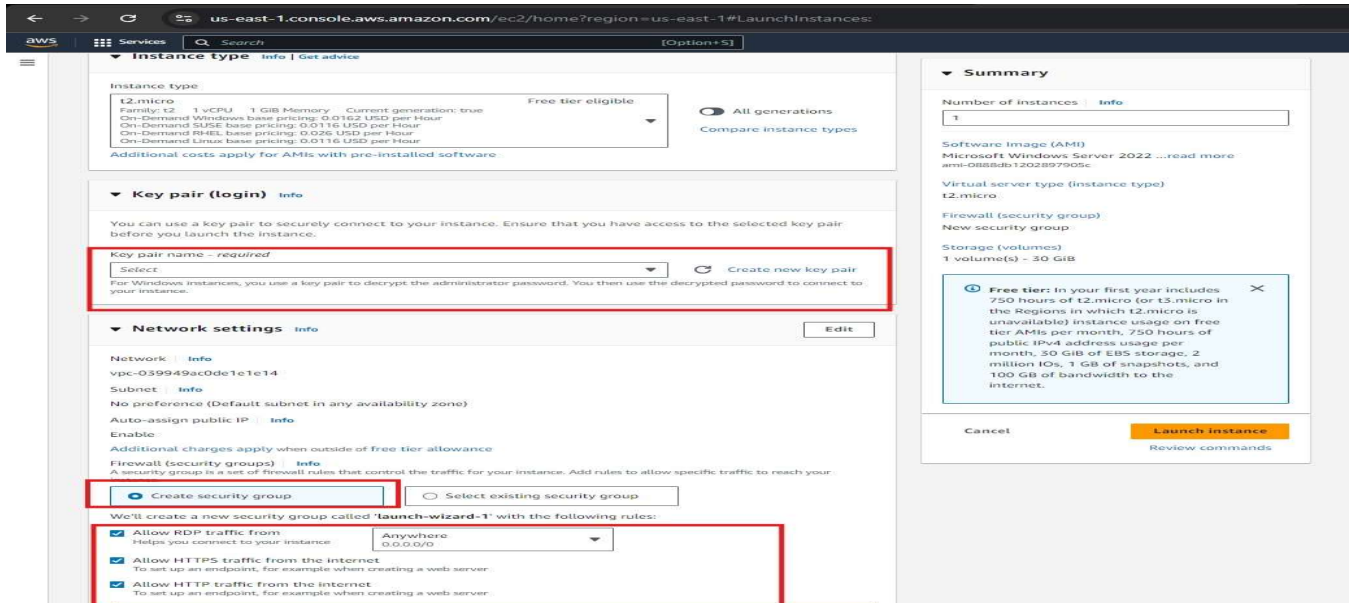
Virtual server type (instance type): t2.micro

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) 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 GiB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands



us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Instance type

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: 0.026 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: Create new key pair

Network settings

Network: vpc-039949ac0de1e1e14

Subnet: No preference (Default subnet in any availability zone)

Auto-assign public IP: Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups): 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: Anywhere (0.0.0.0/0)
- ☒ Allow HTTPS traffic from the internet
- ☒ Allow HTTP traffic from the internet

Cancel Launch instance Review commands

Create key pair

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

Practical5

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

You are signed in as 92201703050

Sandbox Environment

Workbench - Vocareum

Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instances

Services

Search

[Option+S]

N. Virginia

volcbl/user338040-surfume:117864@marwadiversity.ac.in

EC2 Dashboard

EC2 Global View

Events

Console-to-Code

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

Load Balancing

Load Balancers

Target Groups

Trust Stores

Auto Scaling

Auto Scaling Groups

Settings

Instances (1/2)

Find instance by attribute or tag (case-sensitive)

All states

	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4	Elastic IP	IPv6 IPs	Monitoring	Security group name
<input checked="" type="checkbox"/>	Practical5	i-0a64b4eafce1e62	Running	t2.micro	Initializing	us-east-1c	ec2-5-83-141-120.com...	3.83.141.120	-	-	disabled	launch-nizard-1
<input type="checkbox"/>	Bastion Host	i-0dca5242ec3fe7ae	Running	t2.micro	2/2 checks passed	us-east-1a	ec2-54-91-89-249.com...	54.91.89.249	-	-	disabled	Ec2SecurityGroup

Connect Instance state Actions Launch instances

Less than a minute ago

i-0a64b4eafce1e62 (Practical5)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary info

Instance ID
i-0a64b4eafce1e62 (Practical5)

Public IPv4 address
3.83.141.120 | open address

Instance state
Running

Private IP DNS name (IPv4 only)
ip-172-31-87-69.ec2.internal

Instance type
t2.micro

VPC ID
vpc-039949a0de1e1e14

Subnet ID
subnet-04b23f4a22dc7096

Instance ARN
arn:aws:ec2:us-east-1:463714240007:instance/i-0a64b4eafce1e62

Hostname type
IP name: ip-172-31-87-69.ec2.internal

Answer private resource DNS name
IPv4 (A)

Auto-assigned IP address
3.83.141.120 (Public IP)

IAM Role
-

IMDSv2
Required

Private IPv4 addresses
172.31.87.69

Public IPv4 DNS
ec2-5-83-141-120.compute-1.amazonaws.com | open address

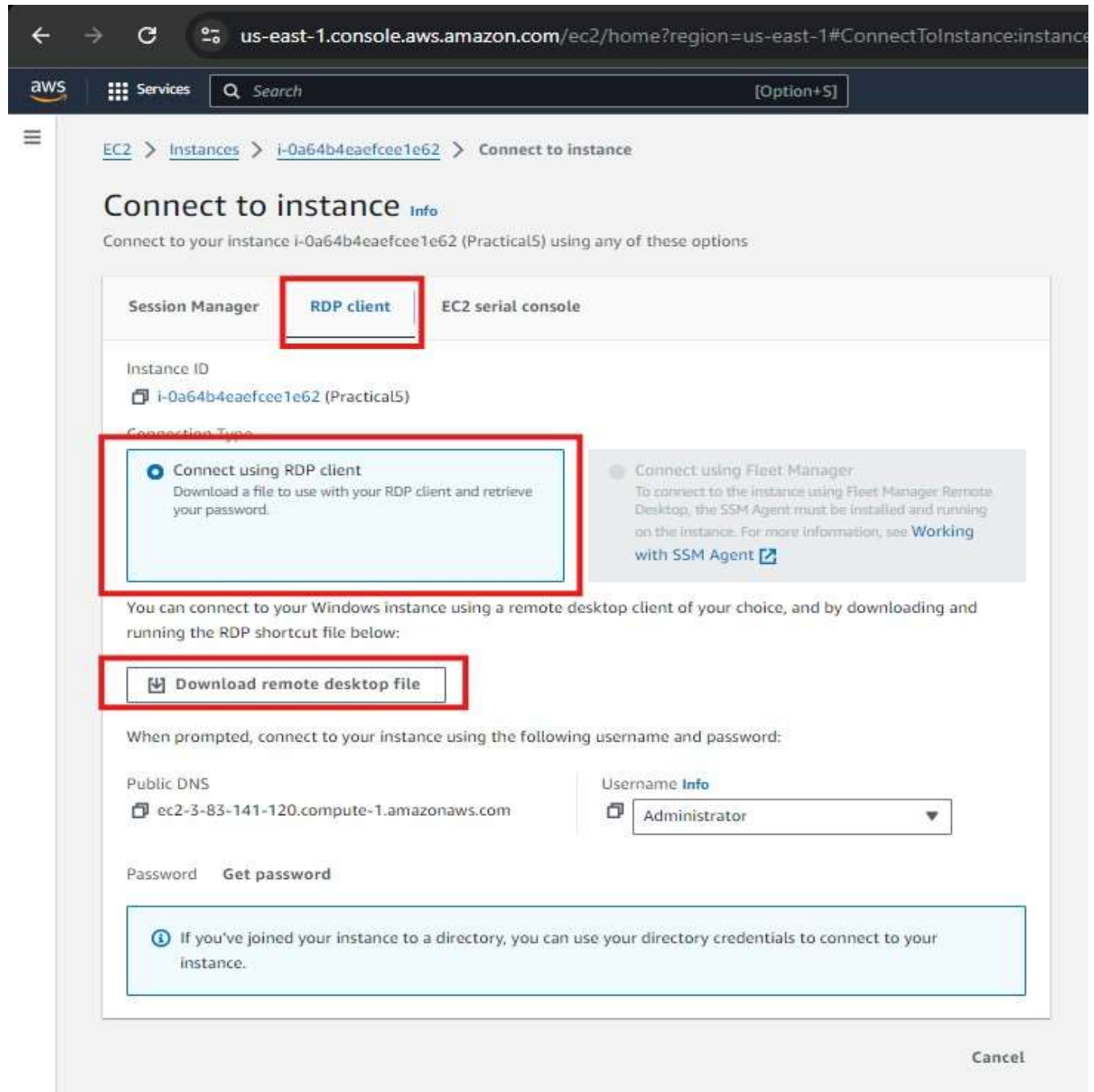
Elastic IP addresses
-

AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Auto Scaling Group name
-

Step 2: Go to “RDP CLIENT” then Now download the remote desktop file and after downloading the remote desktop file, go to “Get Password”, then upload private key file and click on Decrypt Password, Then the password is visible to us Copy the password.

Screenshot:



The screenshot displays the AWS Management Console interface for connecting to an EC2 instance. The breadcrumb navigation shows the path: EC2 > Instances > i-0a64b4eaeefcee1e62 > Connect to instance. The main heading is "Connect to instance" with an "Info" link. Below the heading, it states: "Connect to your instance i-0a64b4eaeefcee1e62 (Practical5) using any of these options." There are three tabs: "Session Manager", "RDP client" (which is selected and highlighted with a red box), and "EC2 serial console". Under the "RDP client" tab, the "Instance ID" is listed as "i-0a64b4eaeefcee1e62 (Practical5)". The "Connection Type" section has two options: "Connect using RDP client" (selected with a blue radio button and highlighted with a red box) and "Connect using Fleet Manager" (deselected with a grey radio button). The "Connect using RDP client" option includes the text: "Download a file to use with your RDP client and retrieve your password." Below this, a message states: "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:". A button labeled "Download remote desktop file" with a download icon is highlighted with a red box. Below the button, it says: "When prompted, connect to your instance using the following username and password:". The "Public DNS" field shows "ec2-3-83-141-120.compute-1.amazonaws.com". The "Username" dropdown menu is set to "Administrator". Next to the "Password" label is a link that says "Get password". At the bottom of the page, there is a "Cancel" button. A blue information box at the bottom states: "If you've joined your instance to a directory, you can use your directory credentials to connect to your instance."

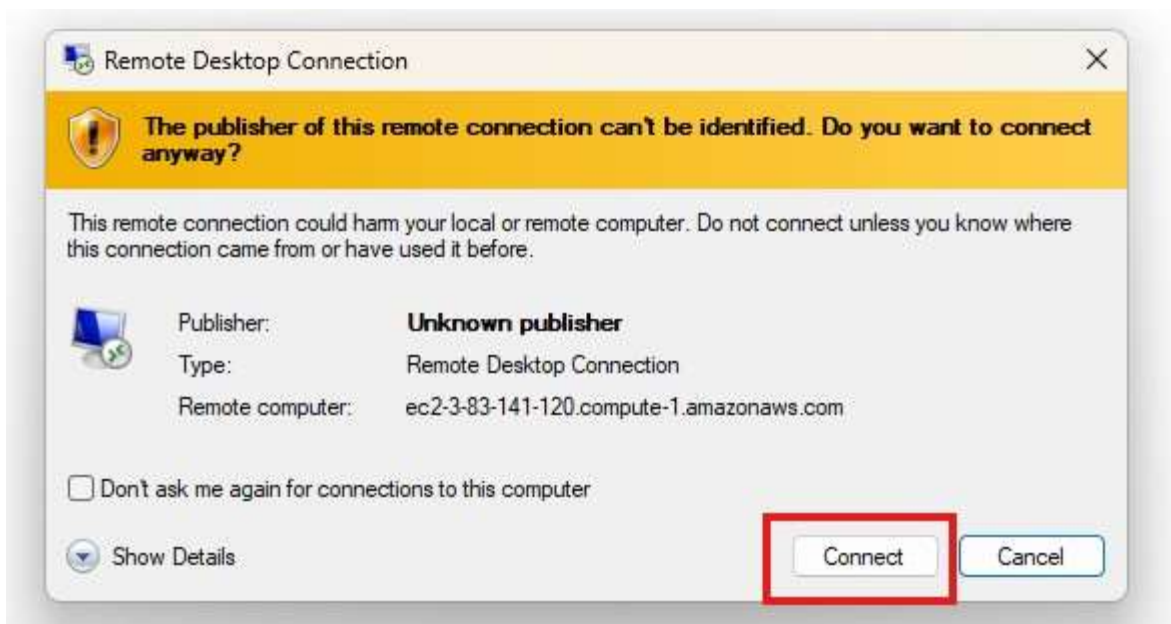
Step 3: Go to you “File Manager” Then open your “Download Remote Desktop File”.

Screenshot:



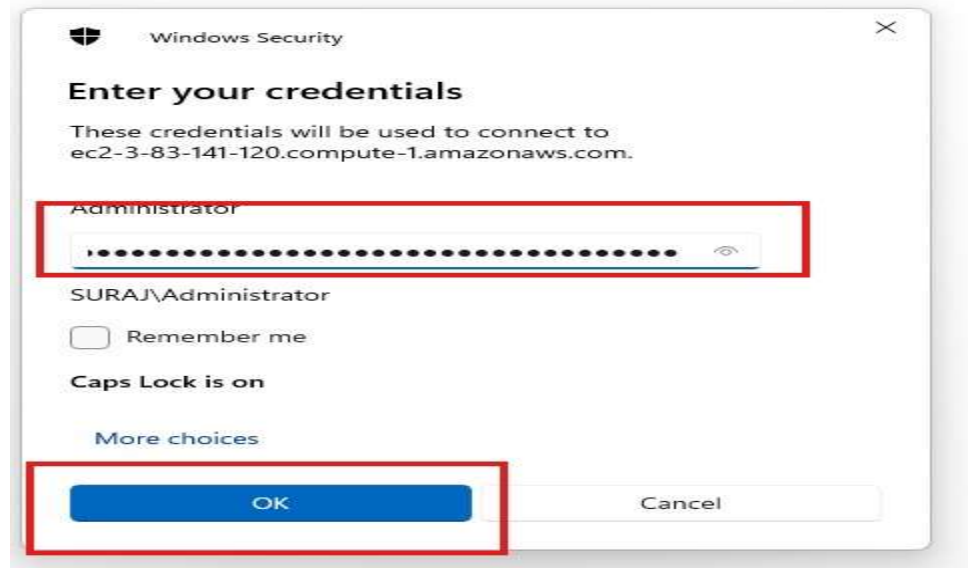
Step 4: Double click on your “Download Remote Desktop File” ten Click on ‘Connect Button’.

Screenshot:



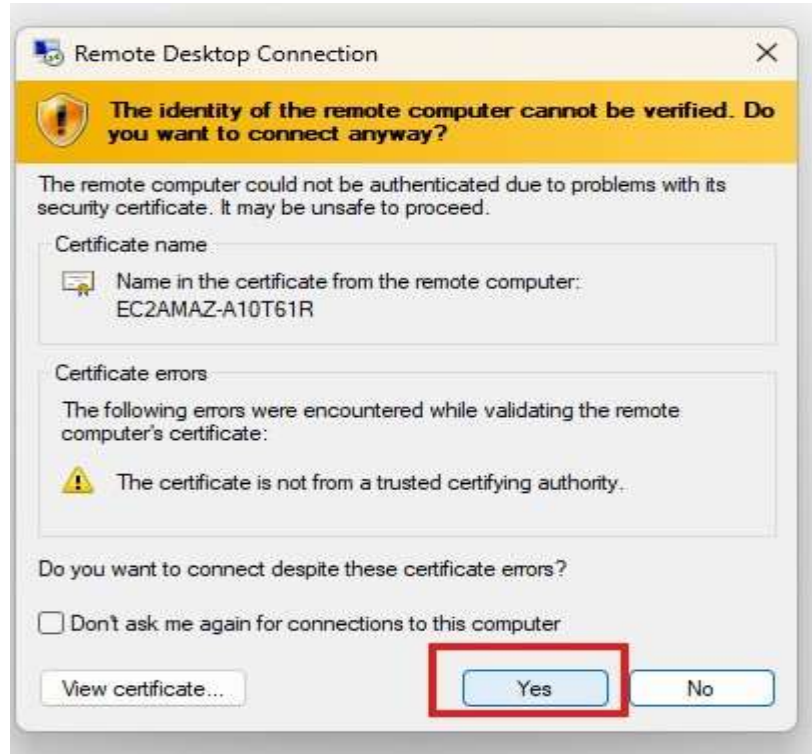
Step 5: Enter Your Passwords and Click on 'OK' button.

Screenshot:



Step 6: After enter your password verify then open new 'Dialog Box' then click on 'YES' button.

Screenshot:



Step 7: After verify then successfully create EC2 instance with MICROSOFT WINDOWS.

Screenshot:

