Deploying a Windows EC2 Instance and Connecting Using Remote Desktop (RDP)

Launch an EC2 Instance with Windows AMI

Step 1: Log in to AWS Management Console

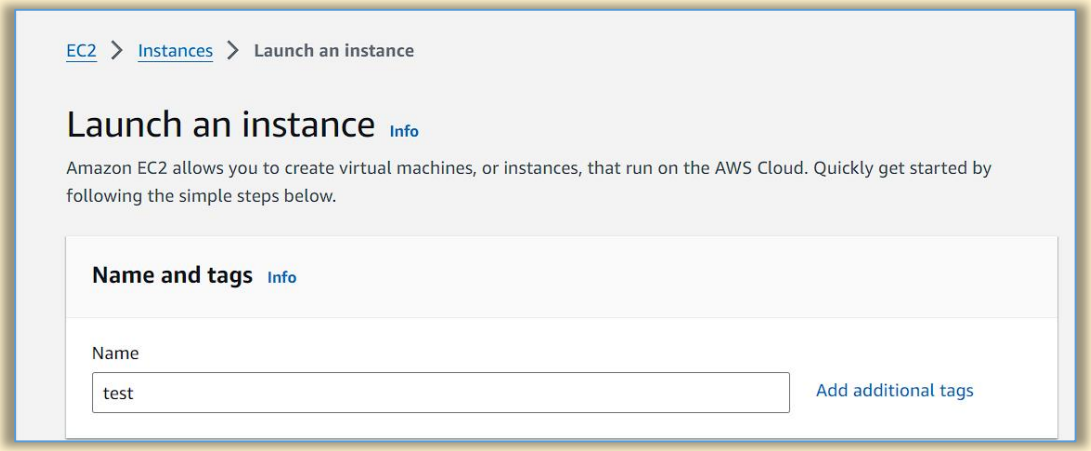
- Go to the AWS Management Console.
- Log in with your credentials.

Step 2: Navigate to EC2 Dashboard

- In the AWS Management Console, search for **EC2** in the search bar.
- Select **EC2** to go to the EC2 Dashboard.

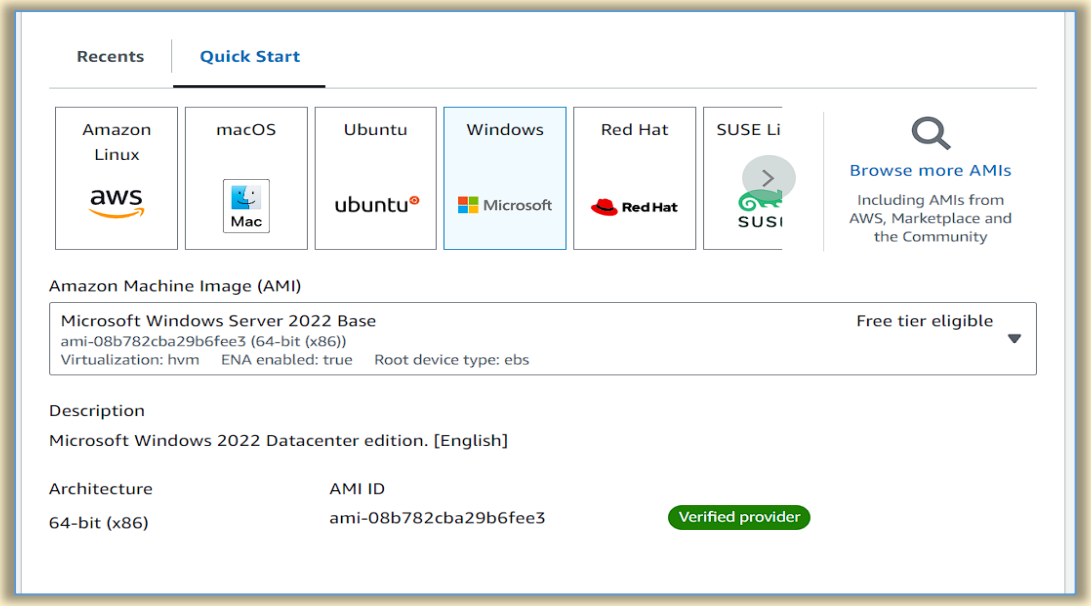
Step 3: Launch a New EC2 Instance

- Click the **Launch Instances** button.
- Enter a **Name** for your instance.



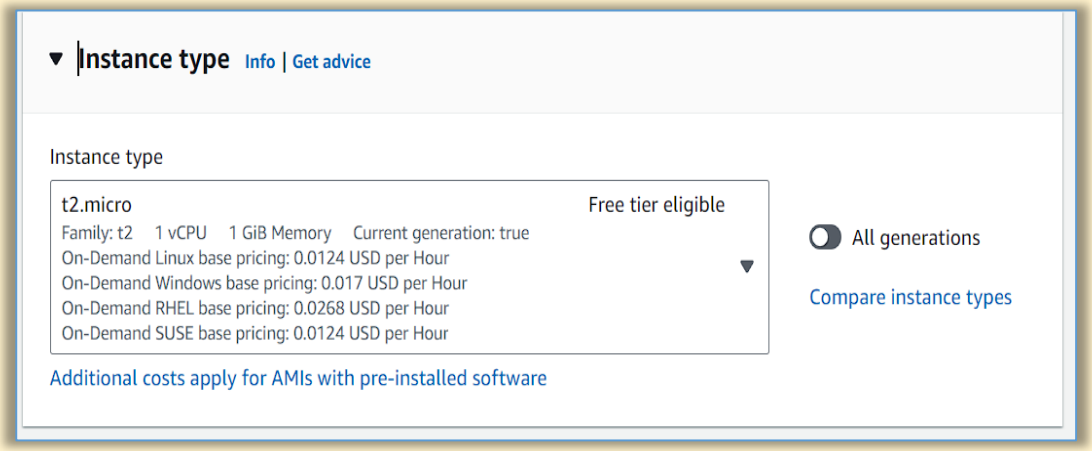
Step 4: Select a Windows AMI (Amazon Machine Image)

- In the **Application and OS Images (Amazon Machine Image)** section, click **Browse more AMIs**.
- Search for a **Windows Server** AMI (e.g., Windows Server 2019 or Windows Server 2022).



Step 5: Choose an Instance Type

- In the **Instance type** section, choose an instance type that supports Windows (e.g., **t2.micro**, which is free tier eligible).
- Click **Next: Configure Instance Details** (optional) or **Review and Launch**.

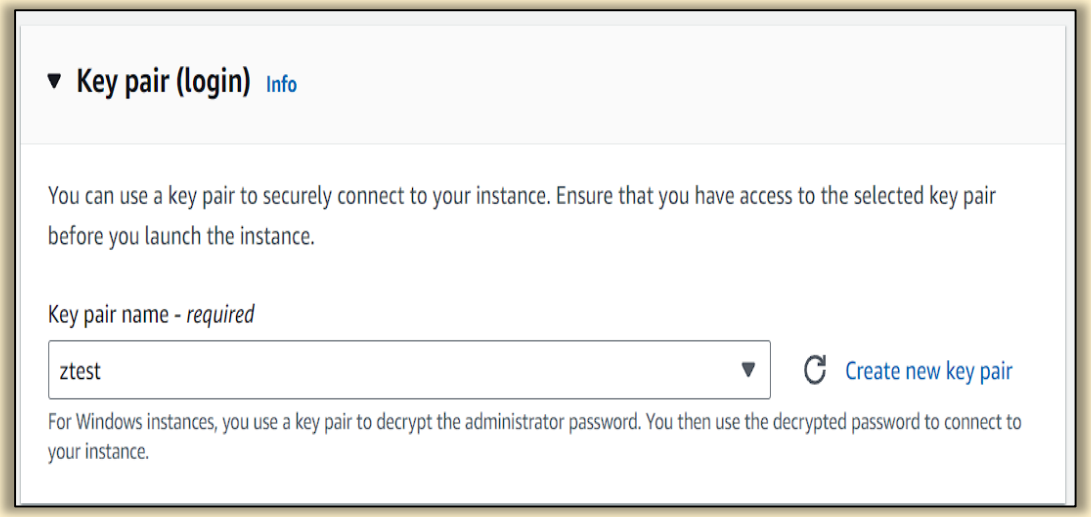


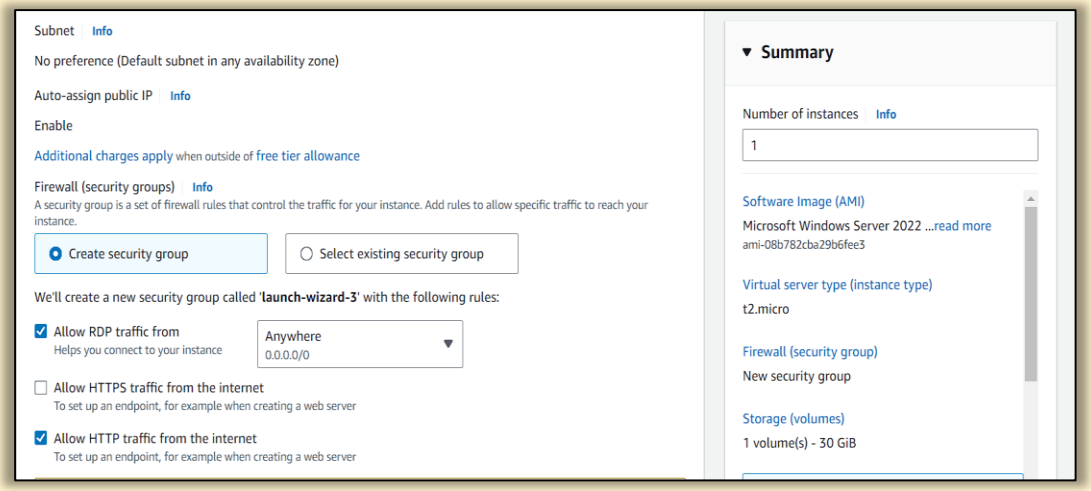
Step 6: Configure Key Pair for RDP Access

• Choose **Create a new key pair** (or use an existing one if you already have it).

• Download the .pem file of the key pair to your local machine.

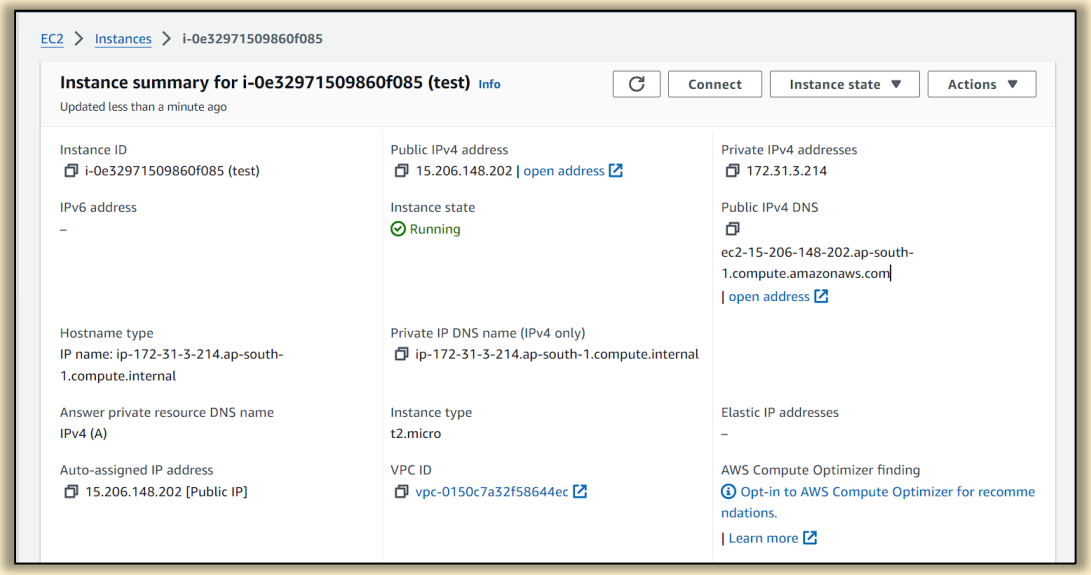
This key will be needed to decrypt the password later.





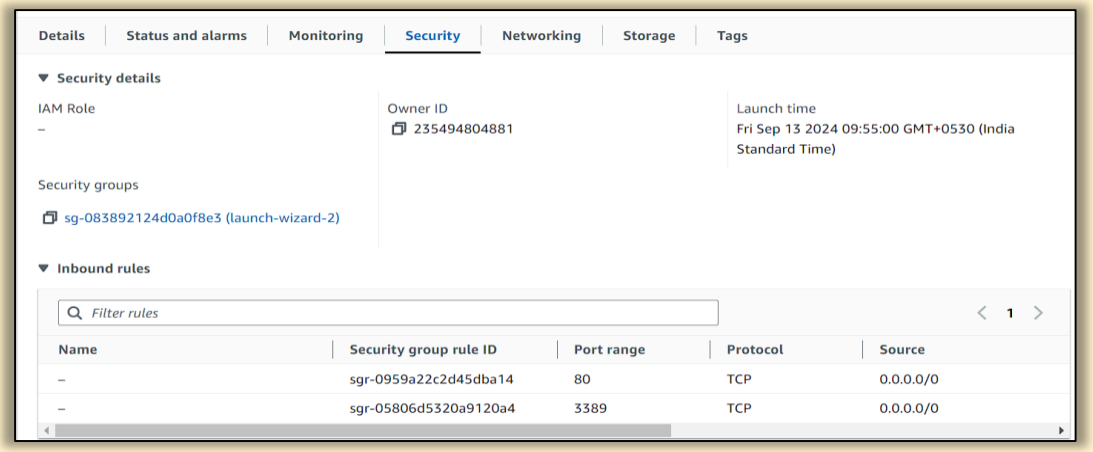
Step 7: Retrieve the Instance's Public IP Address

- In the **EC2 Dashboard**, find your running instance.
- Copy the **Public IPv4 address** from the instance description. This will be used to connect to the instance.



Step 8: Configure Network Settings

- Create a new security group to allow RDP connections:
- **RDP (Port 3389)** - For connecting to the instance.
- Set the source as **Anywhere (0.0.0.0/0)** or a specific IP range for security.



Step 9: Launch the Instance

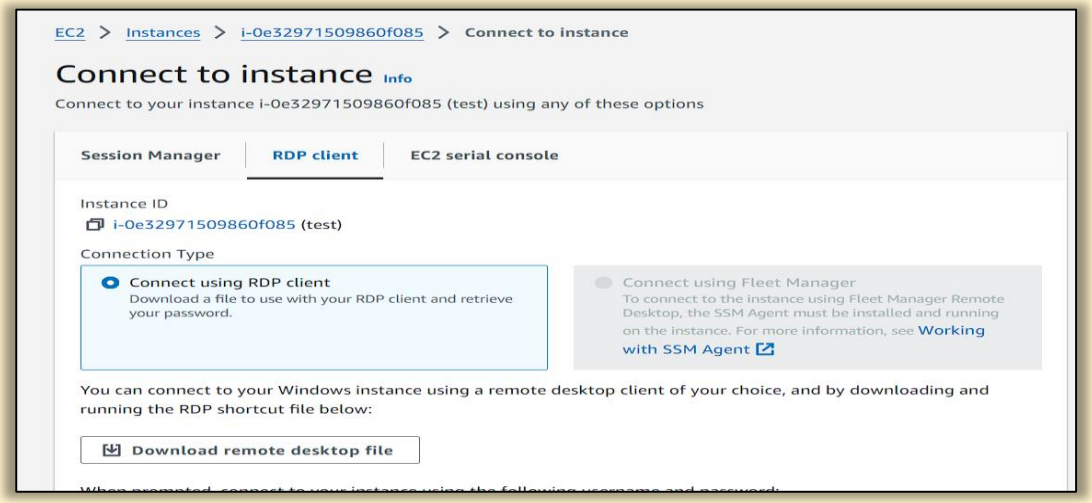
- Review all the configurations and click **Launch Instance**.

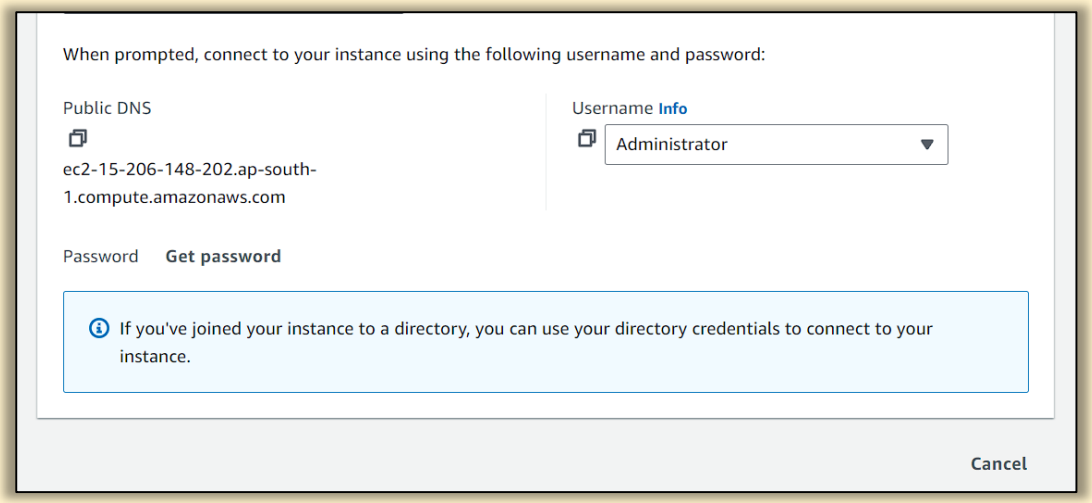
Wait for the Instance to Start

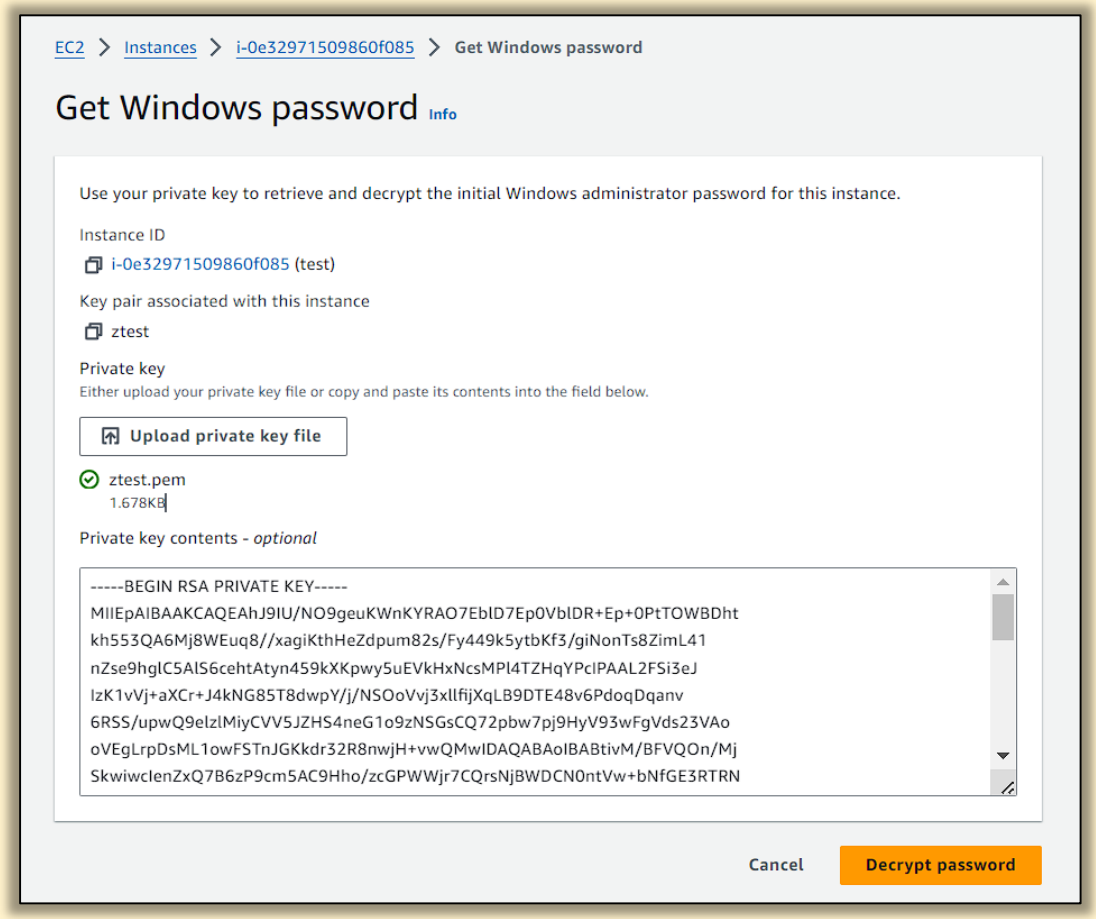
- Go to the **Instances** page and wait until the instance status is **Running**.

Step 10: Get the Windows Password

1. Select your instance, click **Connect** at the top, and then choose the **RDP Client** tab.
2. Click on **Get Windows Password**.
3. Upload the private key file you downloaded when launching the instance to decrypt the password.

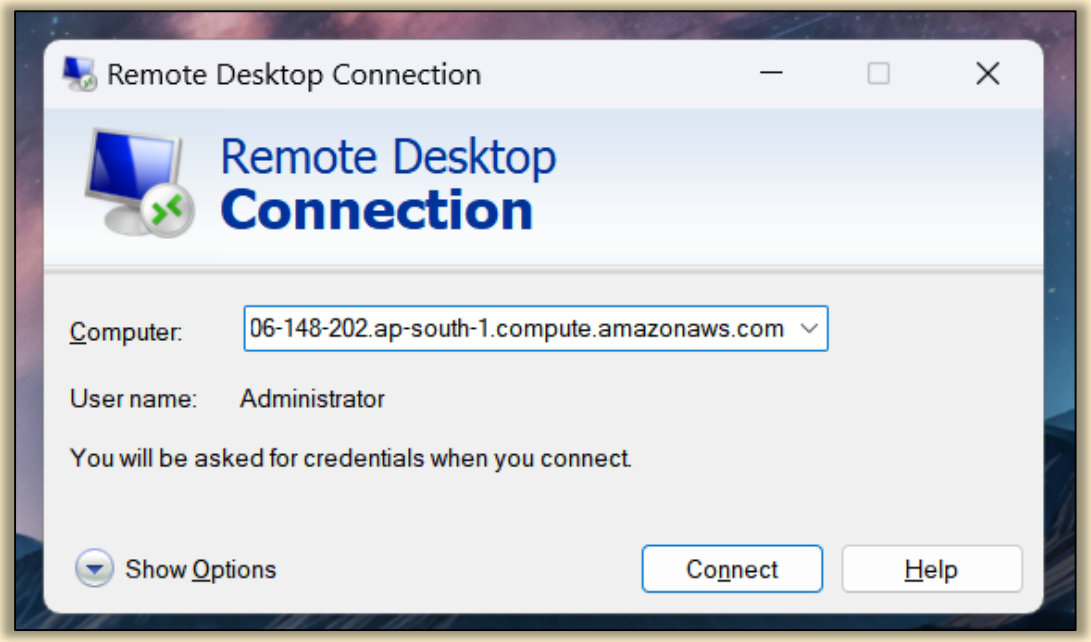



When prompted, connect to your instance using the following username and password:
Public DNS
ec2-15-206-148-202.ap-south-1.compute.amazonaws.com
Username Info
Administrator
Password
Get password
If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.
Cancel


EC2 > Instances > i-0e32971509860f085 > 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-0e32971509860f085 (test)
Key pair associated with this instance
ztest
Private key
Either upload your private key file or copy and paste its contents into the field below.
Upload private key file
ztest.pem
1.678KB
Private key contents - optional
-----BEGIN RSA PRIVATE KEY-----
MIIEpAIBAAKCAQEAhJ9IU/NO9geuKWnKYRAO7EblD7Ep0VblDR+Ep+0PtTOWBDht
kh553QA6Mj8WEuq8//xagiKthHeZdpum82s/Fy449k5ytbKf3/giNonTs8ZimL41
nZse9hglC5AlS6cehtAtyn459kXKpwy5uEVkHxNcsMPl4TZHqYPclPAAL2FSi3eJ
IzK1vVj+aXCr+J4kNG85T8dwpY/j/NSOoVvj3xllfijXqLB9DTE48v6PdoqDqanv
6RSS/upwQ9elzlMiyCVV5JZHS4neG1o9zNSGsCQ72pbw7pj9HyV93wFgVds23VAo
oVEgLrpDsML1owFSTnJGKkdr32R8nwjH+vwQMwIDAQABAoIBABtivM/BFVQOn/Mj
SkwiwcIenZxQ7B6zP9cm5AC9Hho/zcGPWWjr7CQrsNjBWDCN0ntVw+bNfGE3RTRN
Cancel
Decrypt password

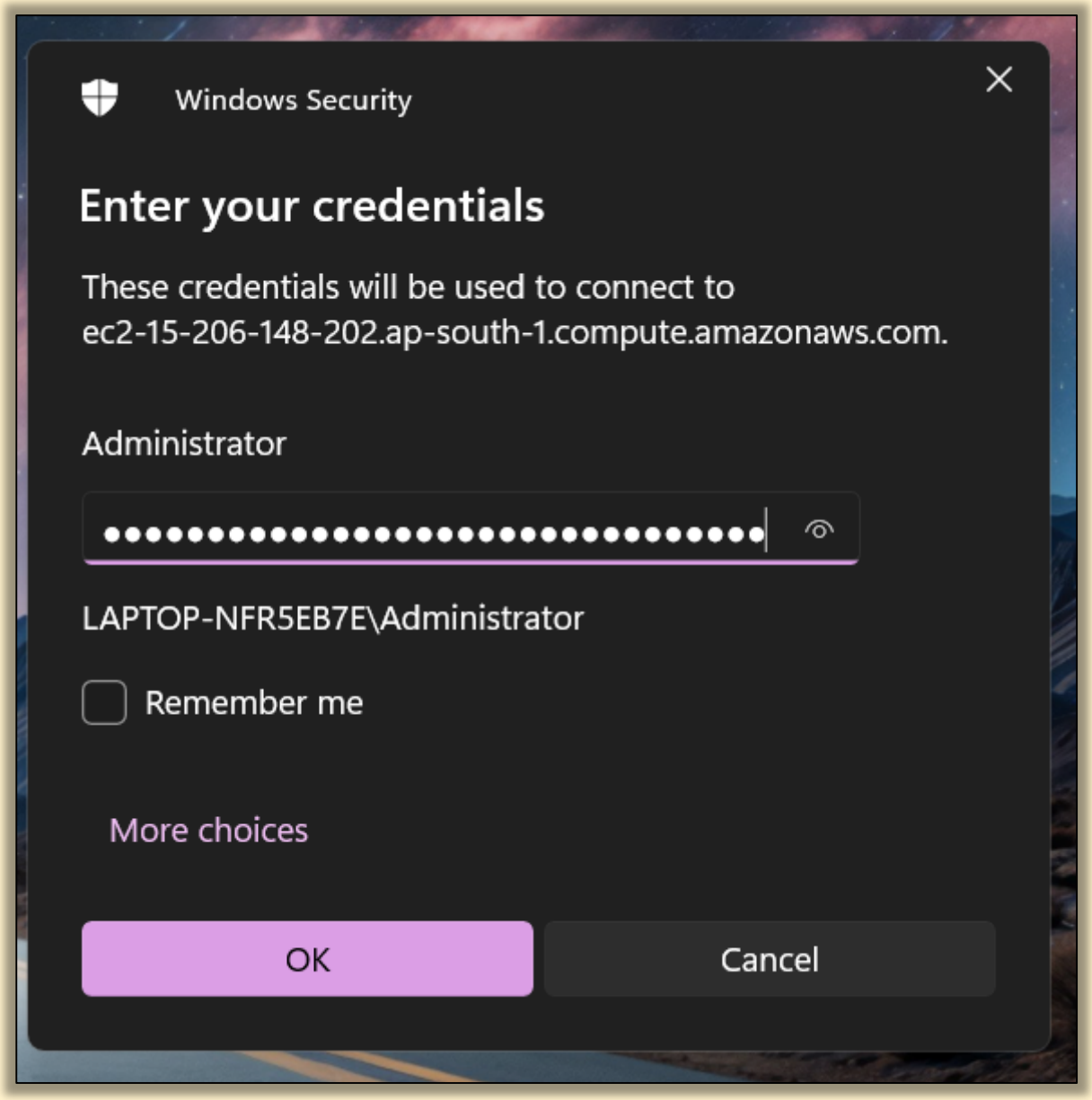
Connect to the Windows Instance Using RDP

1. On your Windows desktop, search for **Remote Desktop Connection**.
2. Enter the **Public DNS** of the instance and click **Connect**.
3. Accept the security certificate by clicking **Yes**.



Enter Credentials

1. Enter the **Username** as **Administrator** and paste the decrypted password.
2. Click **OK**.



You're connected!

- **You should now see the Windows desktop of your EC2 instance. You can manage your instance just like any other Windows machine.**


ec2-15-206-148-202.ap-south-1.compute.amazonaws.com - Remote Desktop Connection
Recycle Bin
EC2 Feedback
EC2 Microso...
Microsoft Edge
Hostname: EC2A
Instance ID: i-0e3
Private IPv4 addr
Public IPv4 addre
Instance size: t2.
Availability Zone:
Architecture: AMD
Total memory: 10
Network: Low to