AWS Task-1

Task Description:

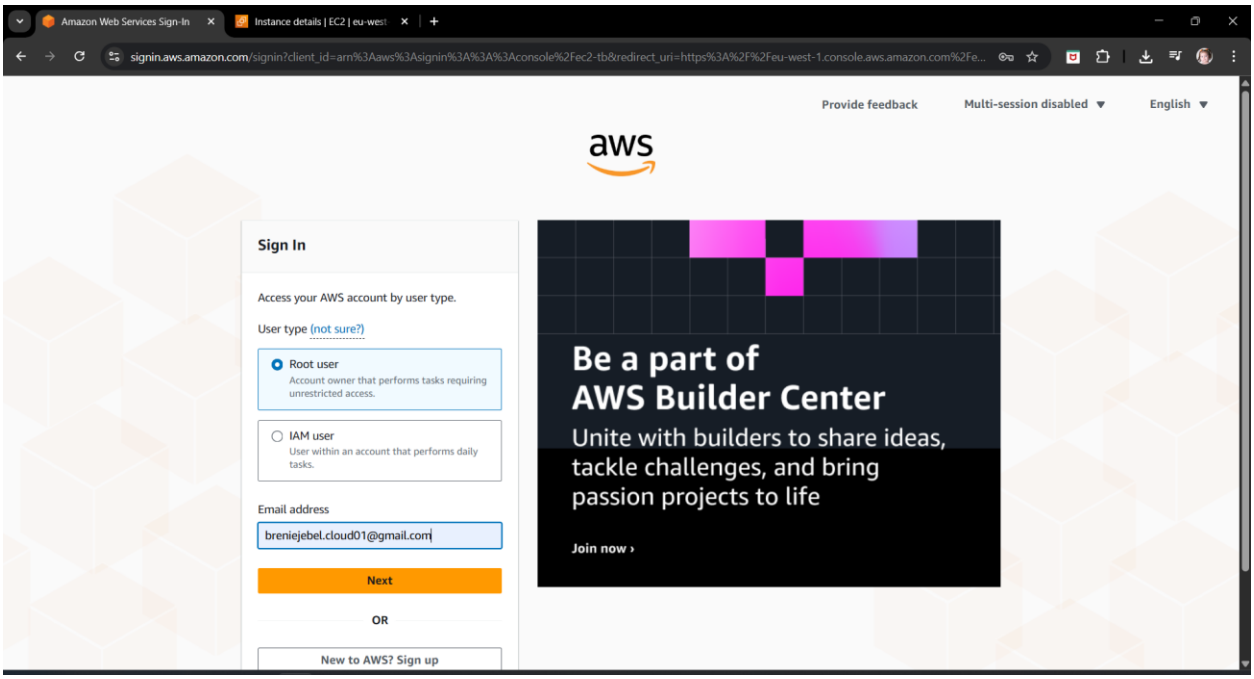
Create a Windows VM machine in AWS and connect with RDP open CMD in windows share the about system info.

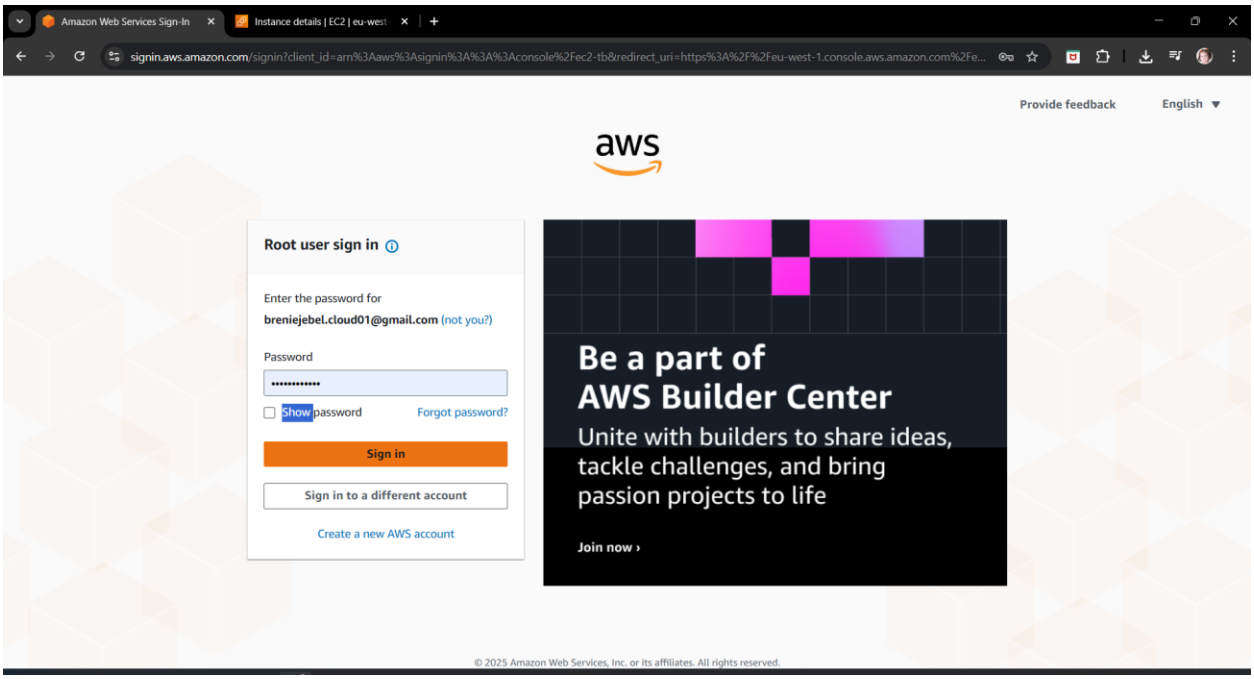
Step 1: Login to AWS
Step 2: Create a Windows VM in AWS
Step 3: Connect using RDP and fetch the system information
i) Using RDP (Preavailable in windows)
ii) Using MobaXterm
Step 4: Clean up
i) Delete the created instance
ii) Delete the created security group

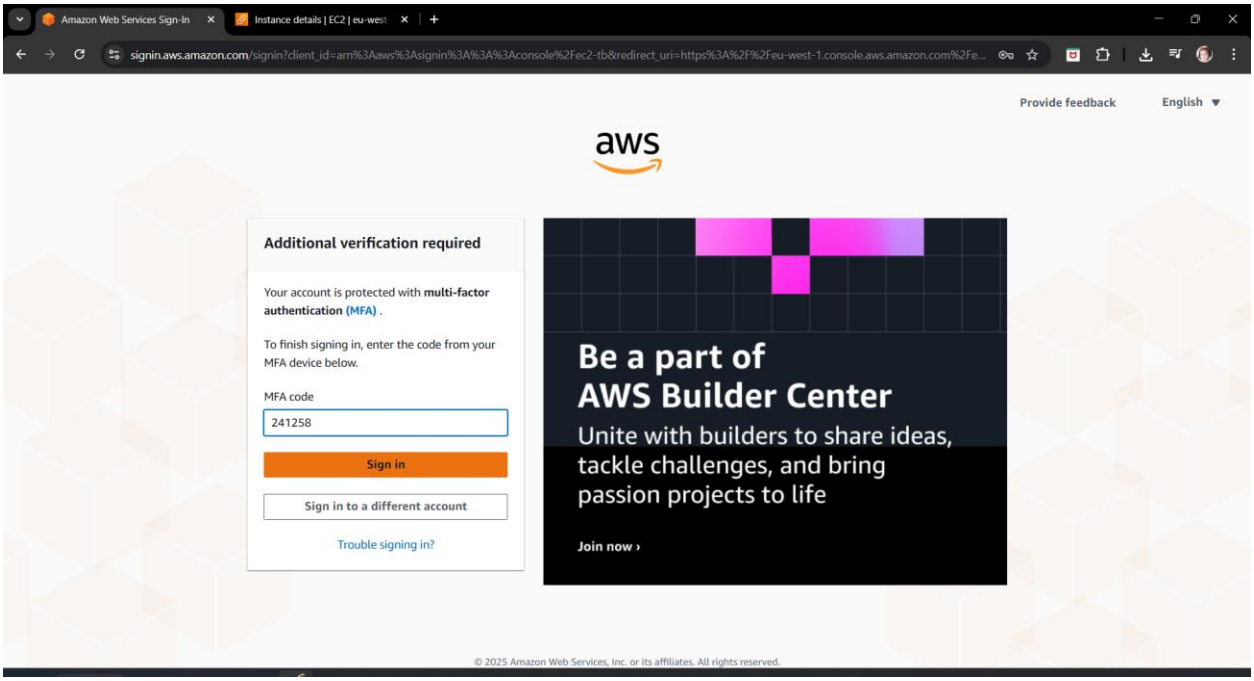
Screenshots :

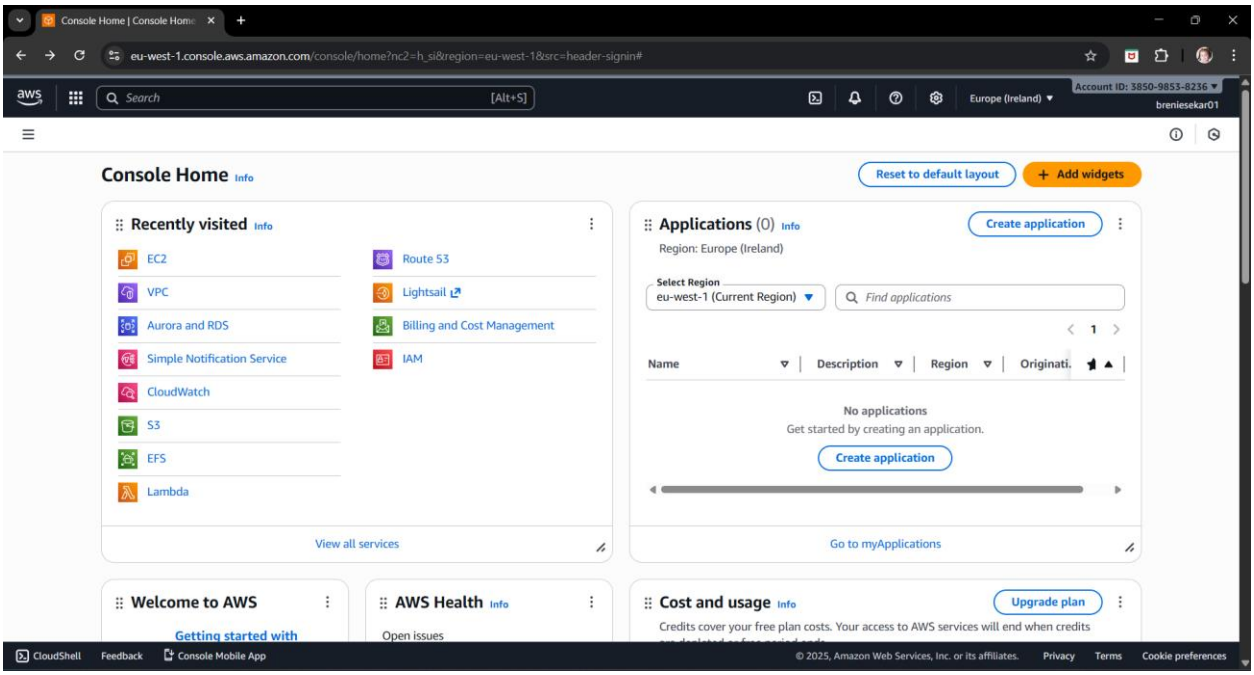
Step 1 : Login to AWS

A web browser was opened and the URL https://console.aws.amazon.com was entered. After signing in with AWS credentials, the EC2 Dashboard was opened to start working with virtual machines.




Amazon Web Services Sign-In
Instance details | EC2 | eu-west
signin.aws.amazon.com/signin?client_id=arn%3Aaws%3Asignin%3A%3A%3Aconsole%2Fec2-tb&redirect_uri=https%3A%2F%2Feu-west-1.console.aws.amazon.com%2Fe...
Provide feedback
English
aws
Root user sign in
Enter the password for
breniejebel.cloud01@gmail.com (not you?)
Password
Show password
Forgot password?
Sign in
Sign in to a different account
Create a new AWS account
Be a part of
AWS Builder Center
Unite with builders to share ideas, tackle challenges, and bring passion projects to life
Join now ›
© 2025 Amazon Web Services, Inc. or its affiliates. All rights reserved.

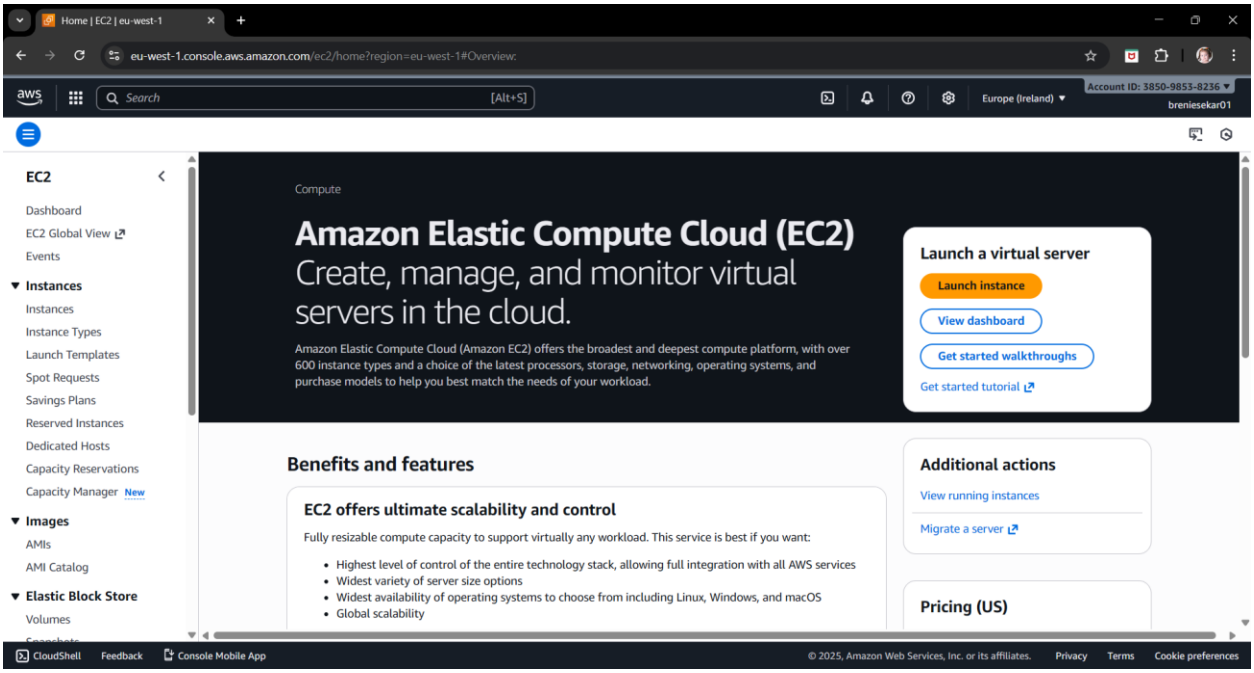

Amazon Web Services Sign-In
Instance details | EC2 | eu-west
signin.aws.amazon.com/signin?client_id=arn%3Aaws%3Asignin%3A%3A%3Aconsole%2Fec2-tb&redirect_uri=https%3A%2F%2Feu-west-1.console.aws.amazon.com%2Fe...
Provide feedback
English
aws
Additional verification required
Your account is protected with multi-factor authentication (MFA) .
To finish signing in, enter the code from your MFA device below.
MFA code
241258
Sign in
Sign in to a different account
Trouble signing in?
Be a part of
AWS Builder Center
Unite with builders to share ideas, tackle challenges, and bring passion projects to life
Join now ›
© 2025 Amazon Web Services, Inc. or its affiliates. All rights reserved.

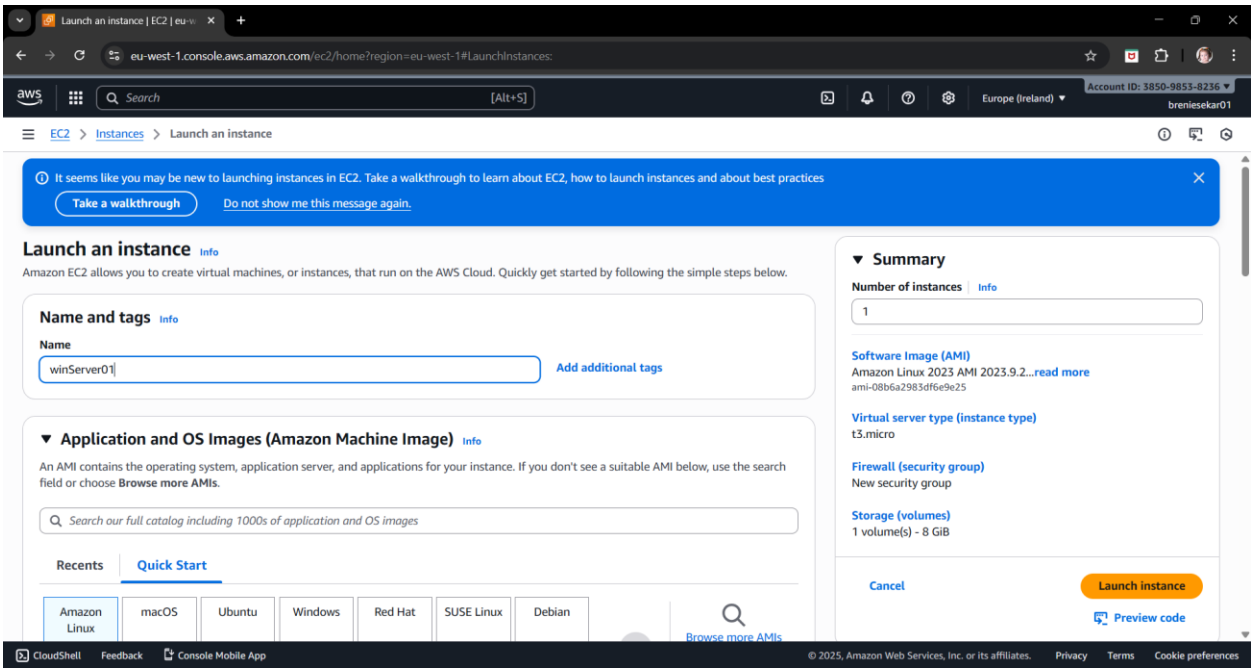


Step 2 : Create a Windows VM in AWS

Launch the Instance

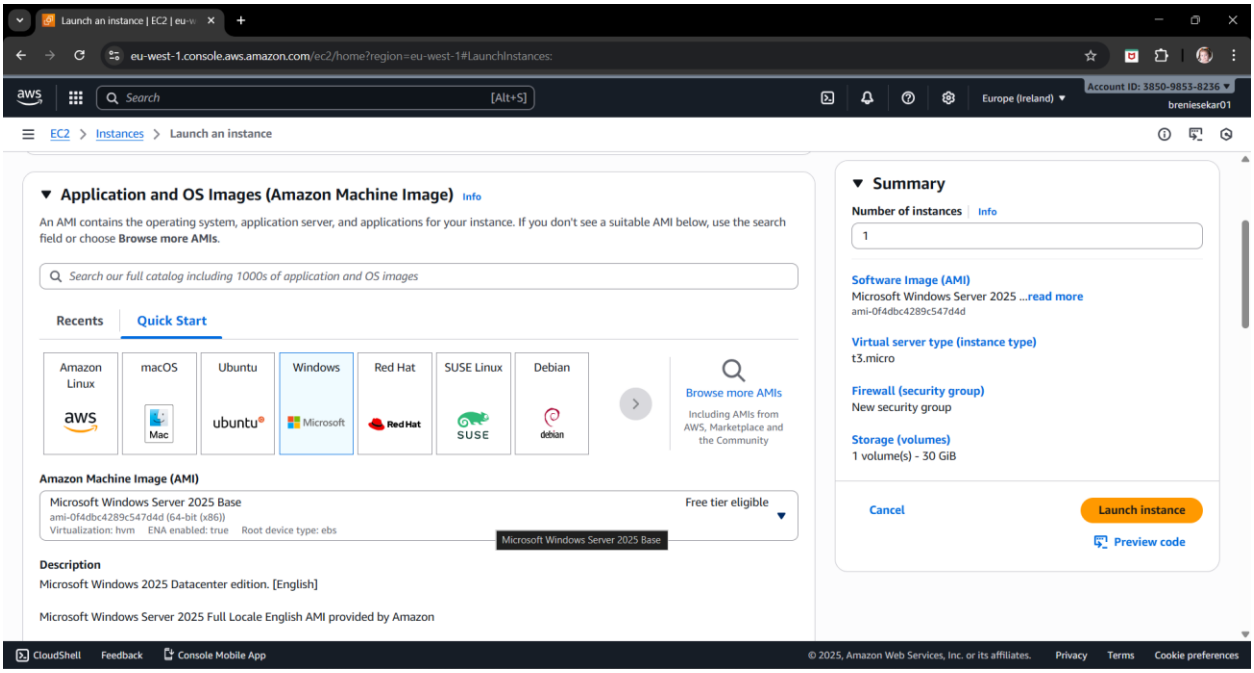
From the EC2 Dashboard, the Launch Instance option was selected. The instance name was provided as “winServer01” during the configuration process.





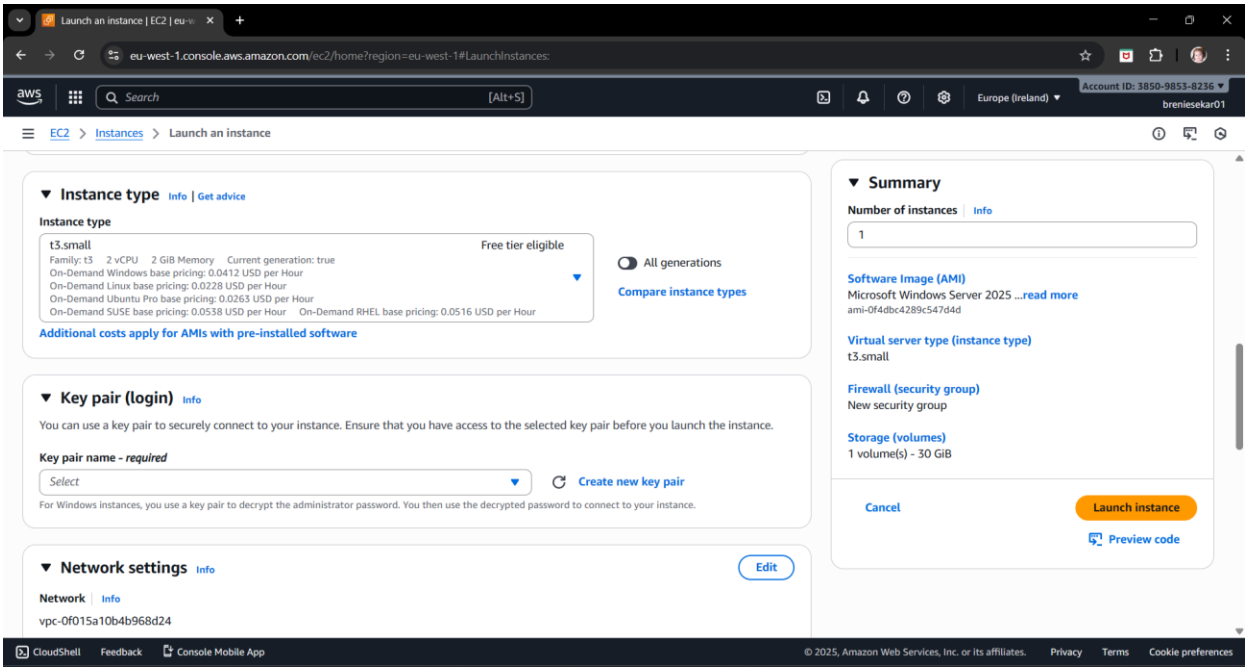
Select the AMI

For the operating system, the Microsoft Windows Server 2025 Base Amazon Machine Image (AMI) was chosen. This AMI provides a Windows Server environment suitable for RDP-based access.



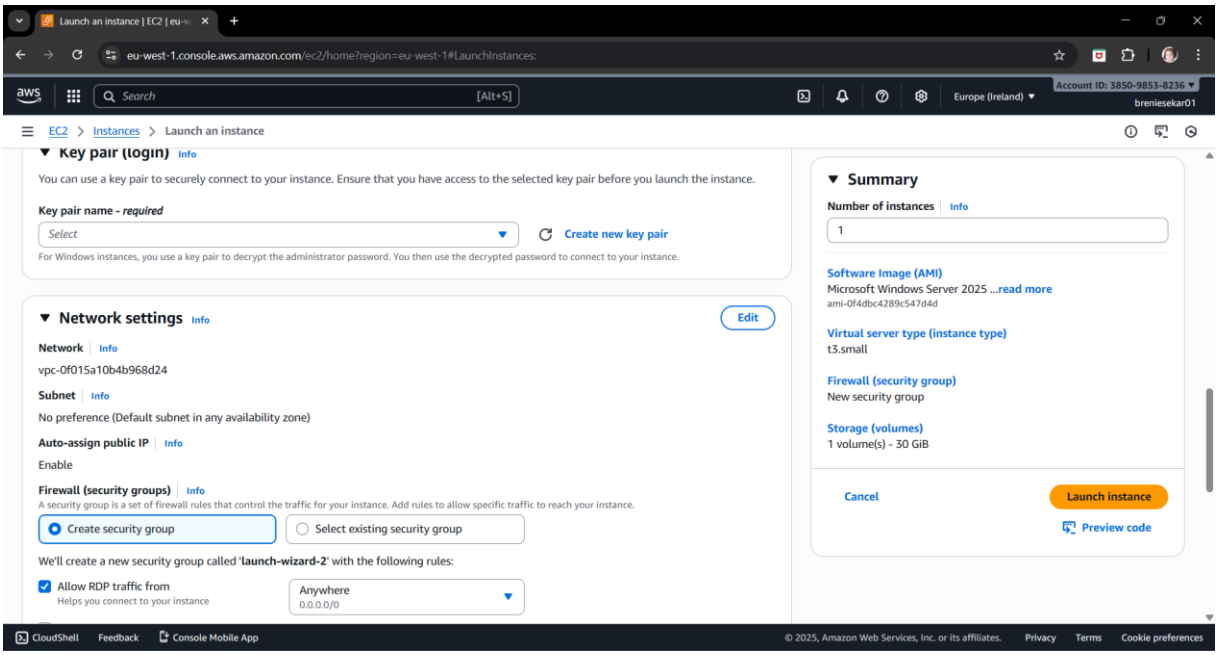
Select the Instance Type

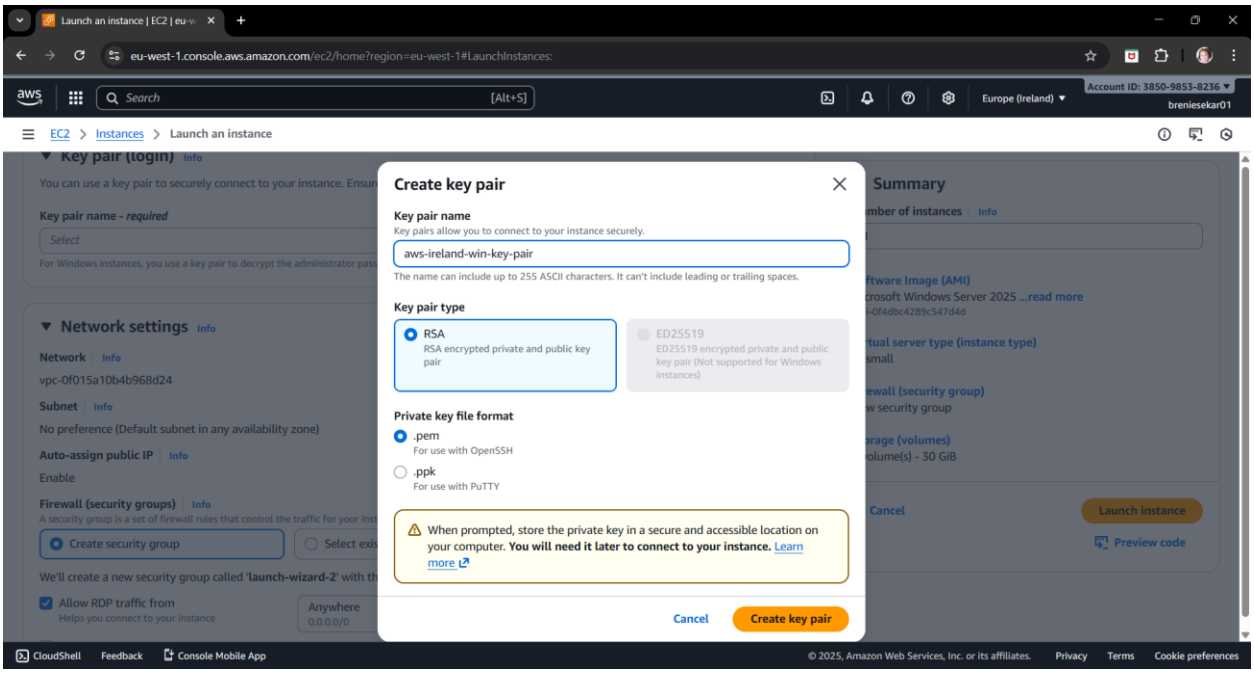
The instance type was set to “t3.small”, which is eligible under the AWS Free Tier. This option is sufficient for testing and demonstration purposes.

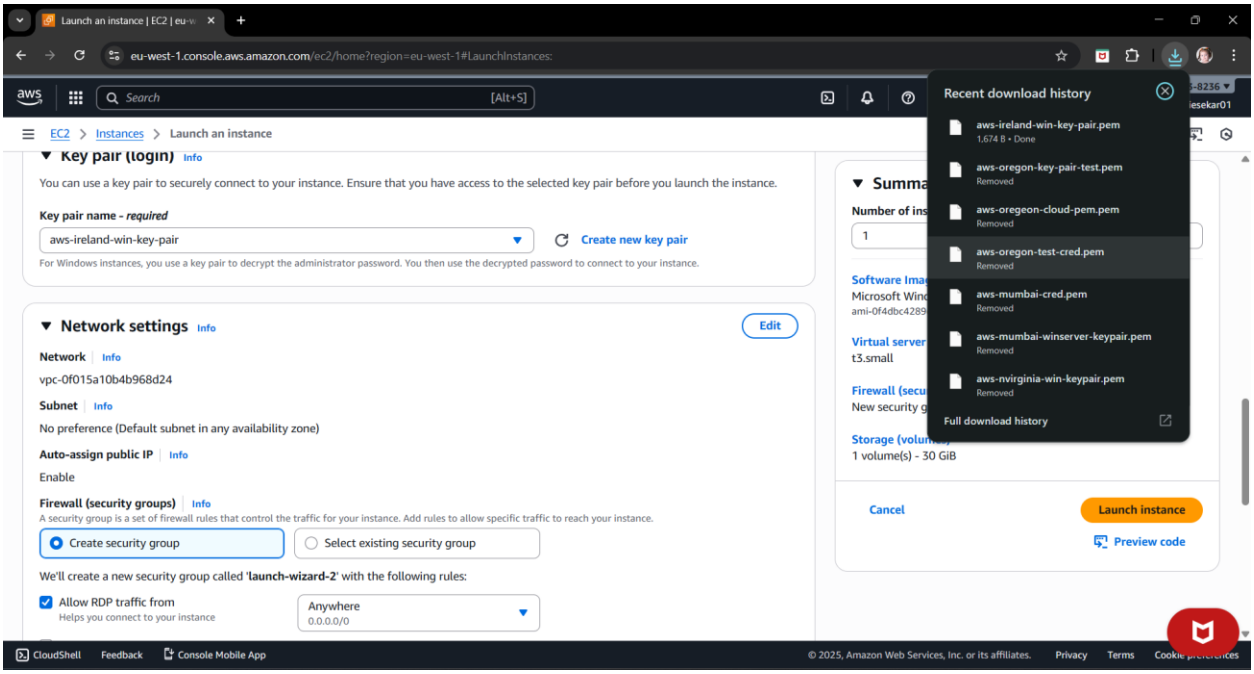


Create a Key Pair

A new key pair was created in order to securely access the instance. The .pem file generated during this step was downloaded and stored safely. This key is required later to decrypt the administrator password.

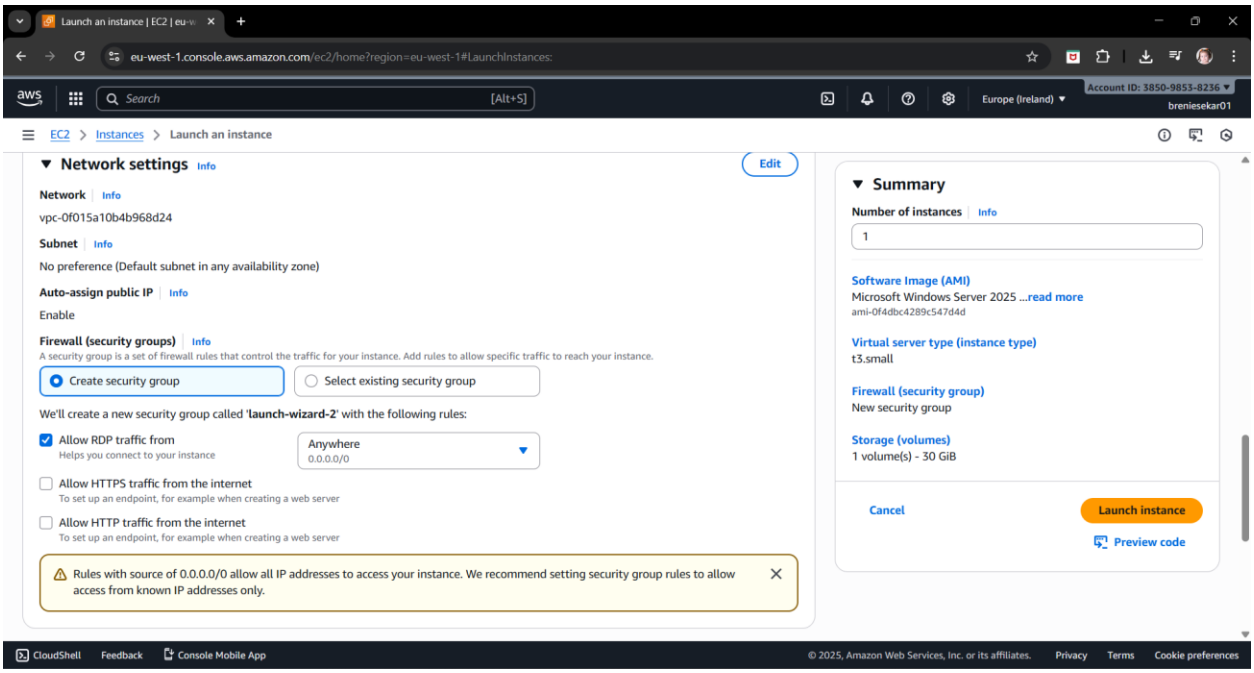






Configure the Security Group

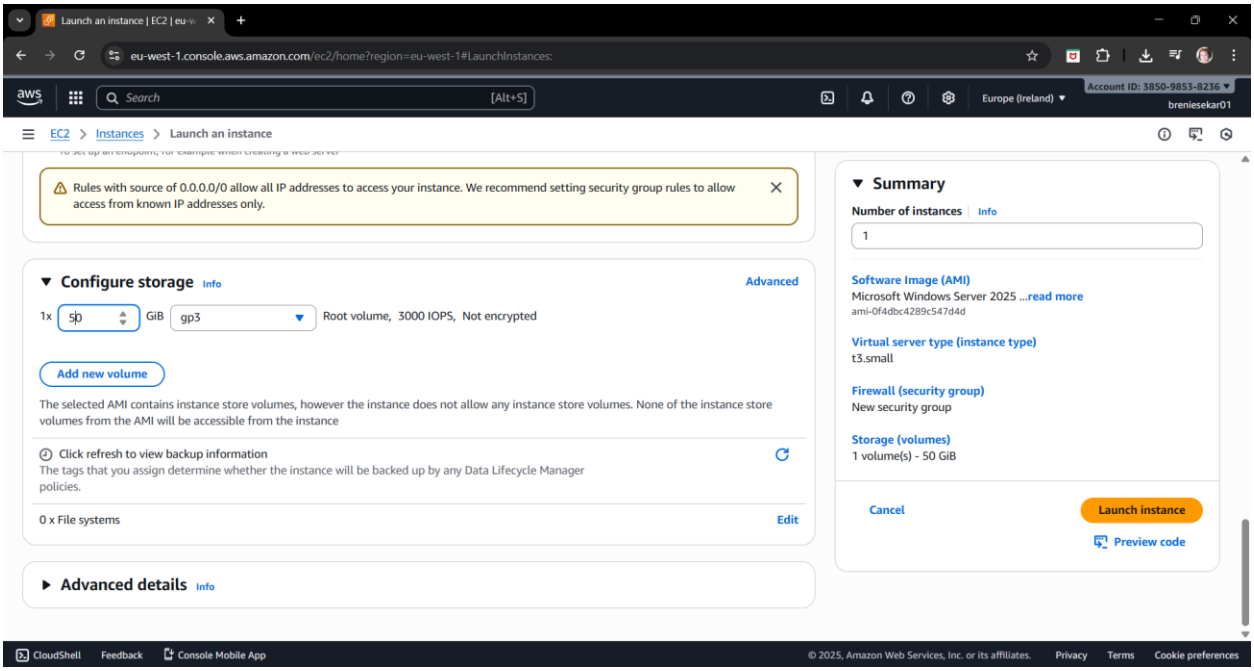
A new security group “launch-wizard-2” was created to allow remote access to the instance. The inbound rule for Remote Desktop Protocol (RDP) was configured to allow traffic from Anywhere (0.0.0.0/0) on port 3389, enabling RDP connectivity.



This configuration allows RDP access from any source (0.0.0.0/0), which makes the instance accessible over RDP from any location.

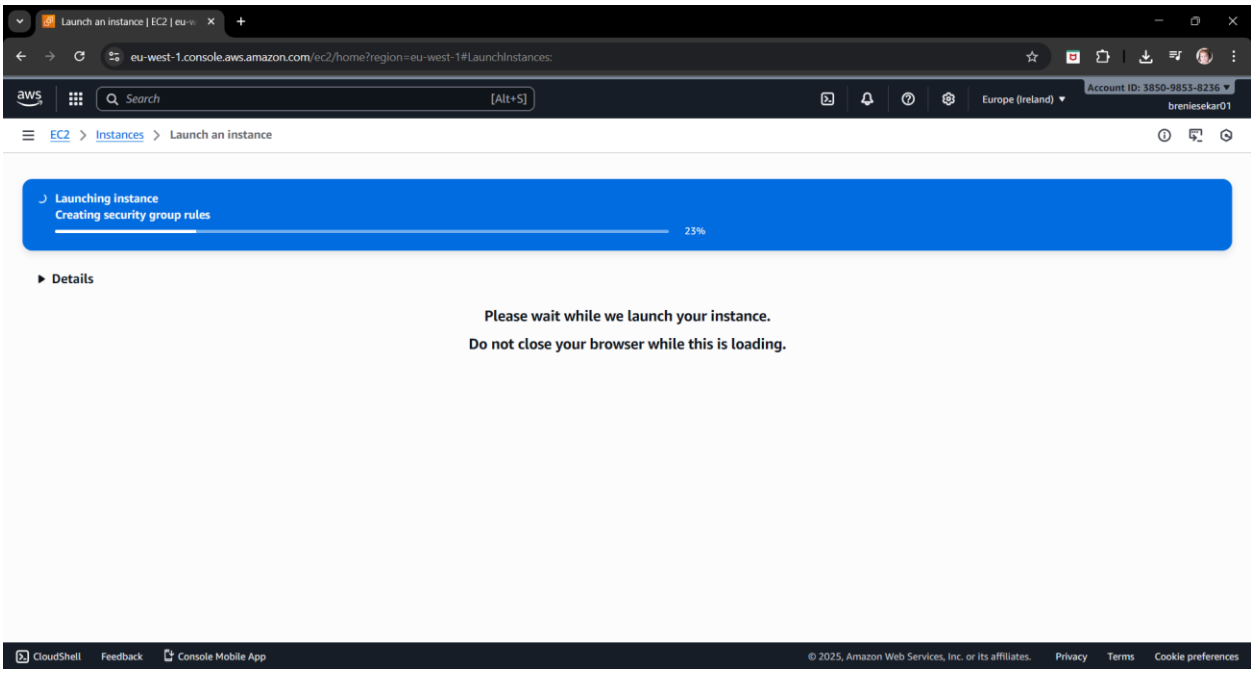
Configure Storage

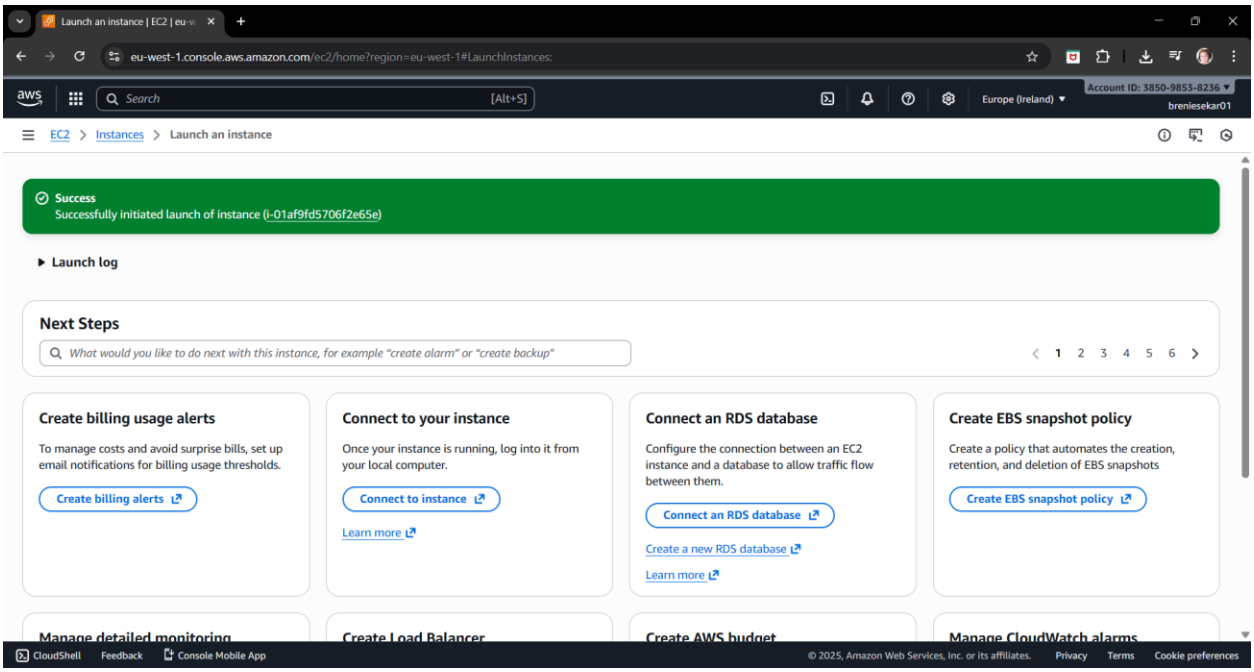
The root volume storage was configured with a size of 50 GiB using the gp3 volume type.

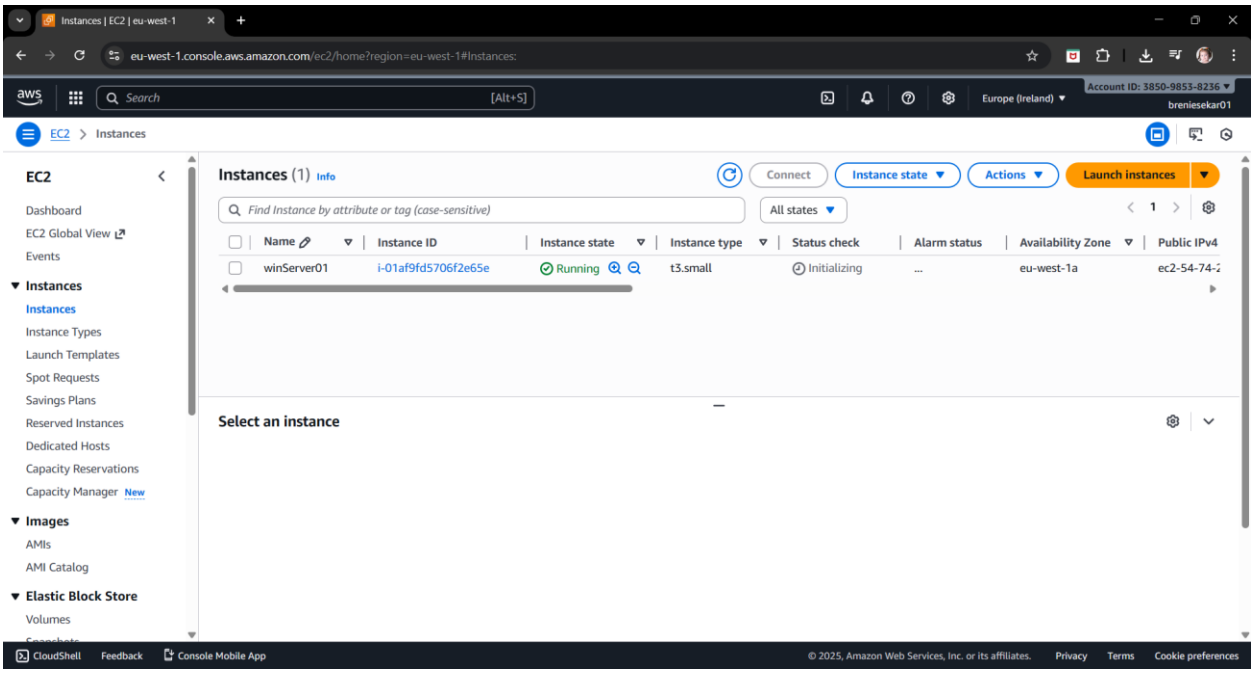


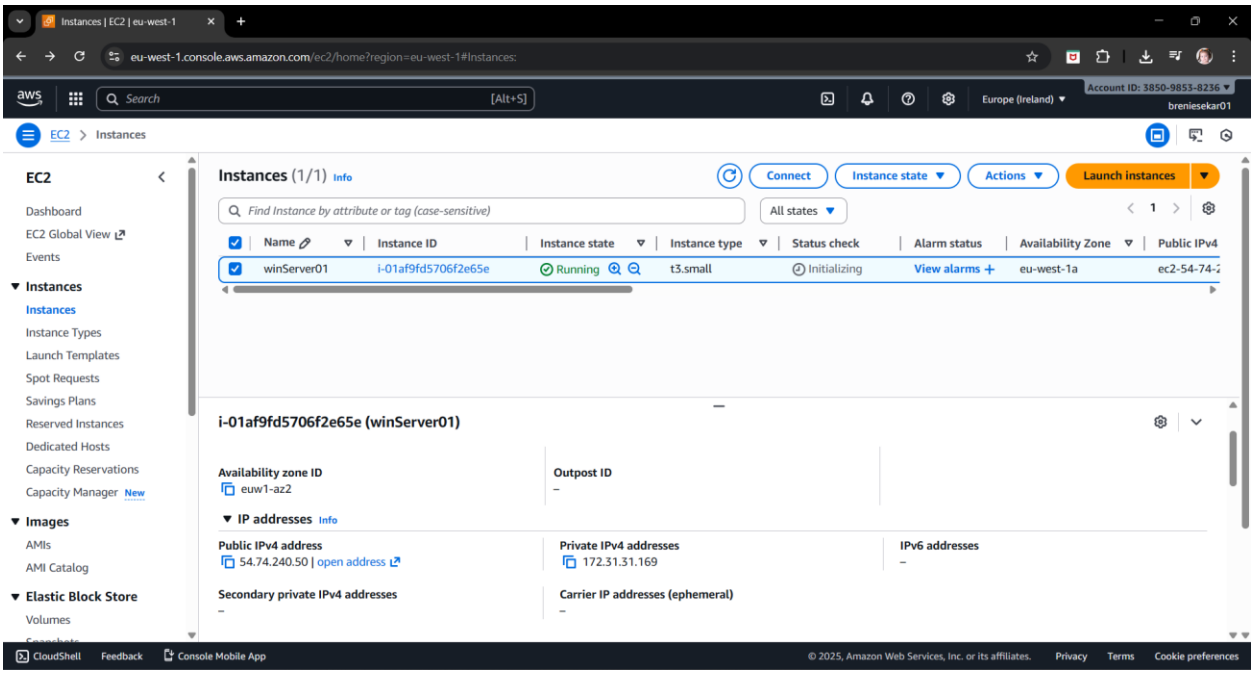
Launch the Instance

After launching, the instance appeared in the EC2 console and its status changed to Running.









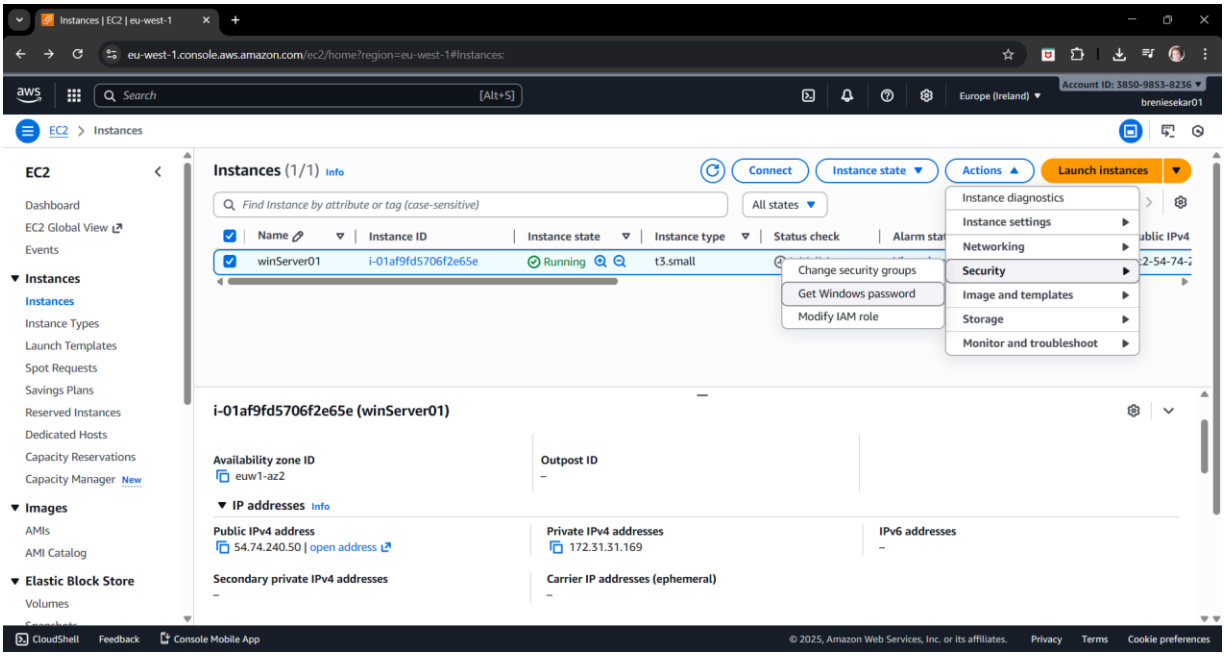
The public IPv4 address **54.74.240.50** was noted, as it will be used to connect to the server through RDP.

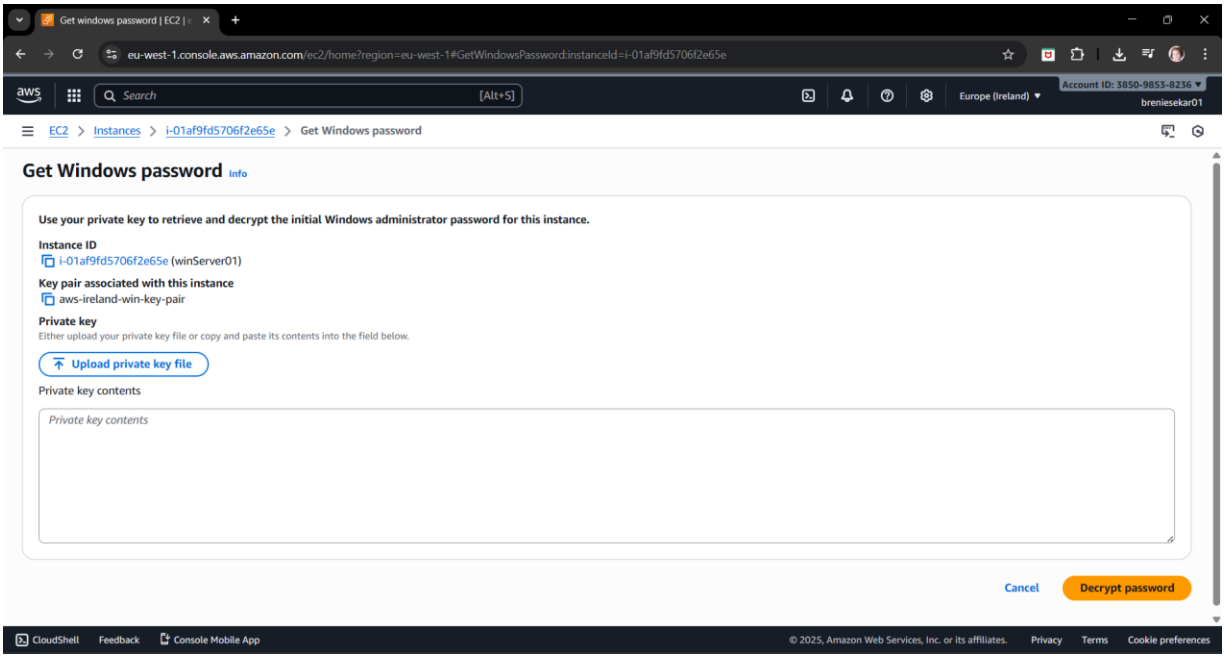
Step 3: Connect using RDP and fetch the system information

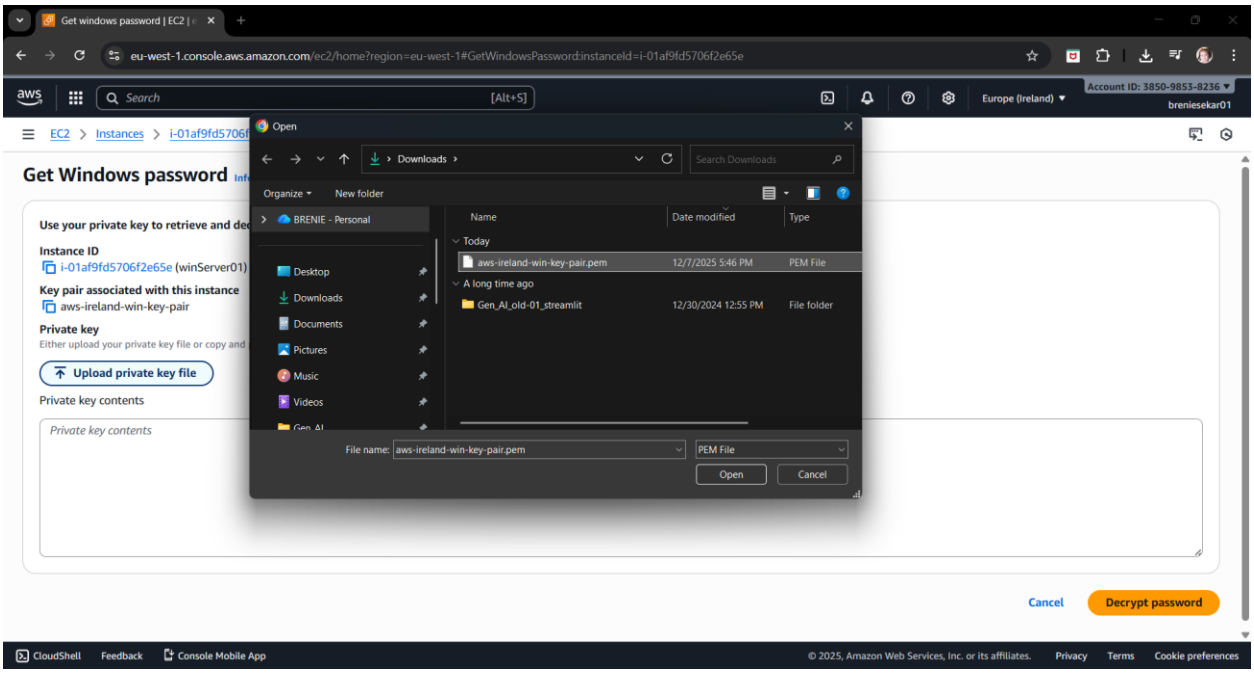
3.1: Connected using RDP (Pre-available in windows)

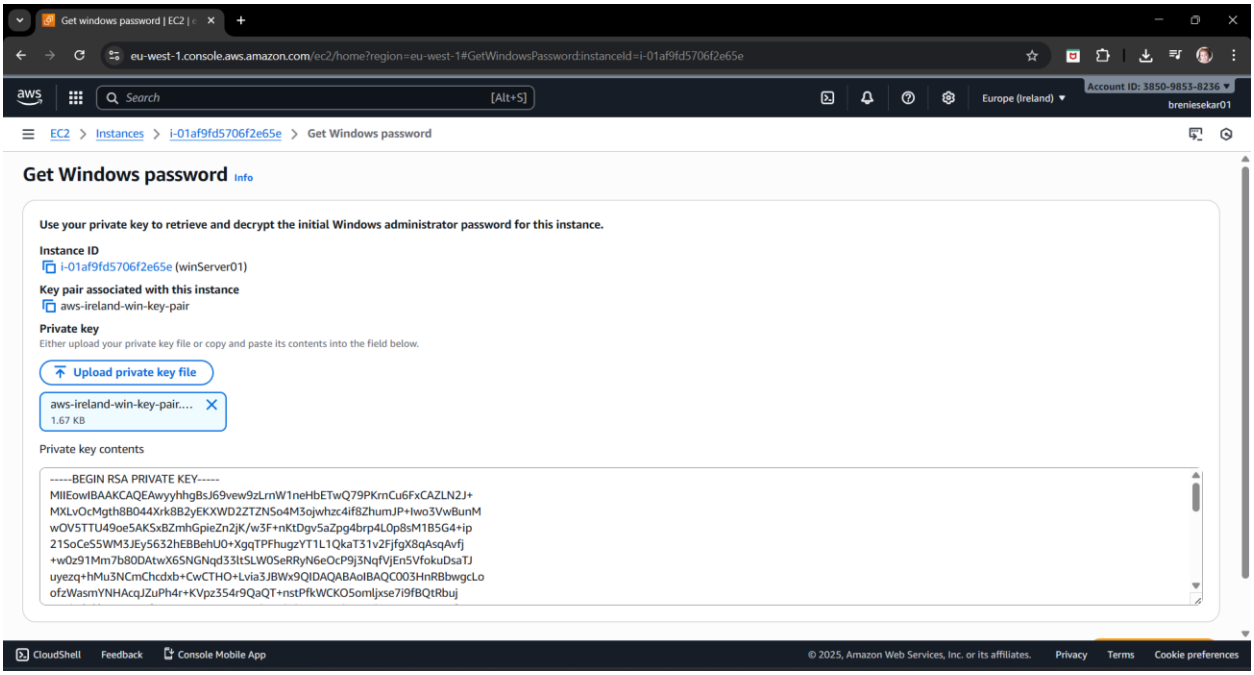
Get Login Credentials

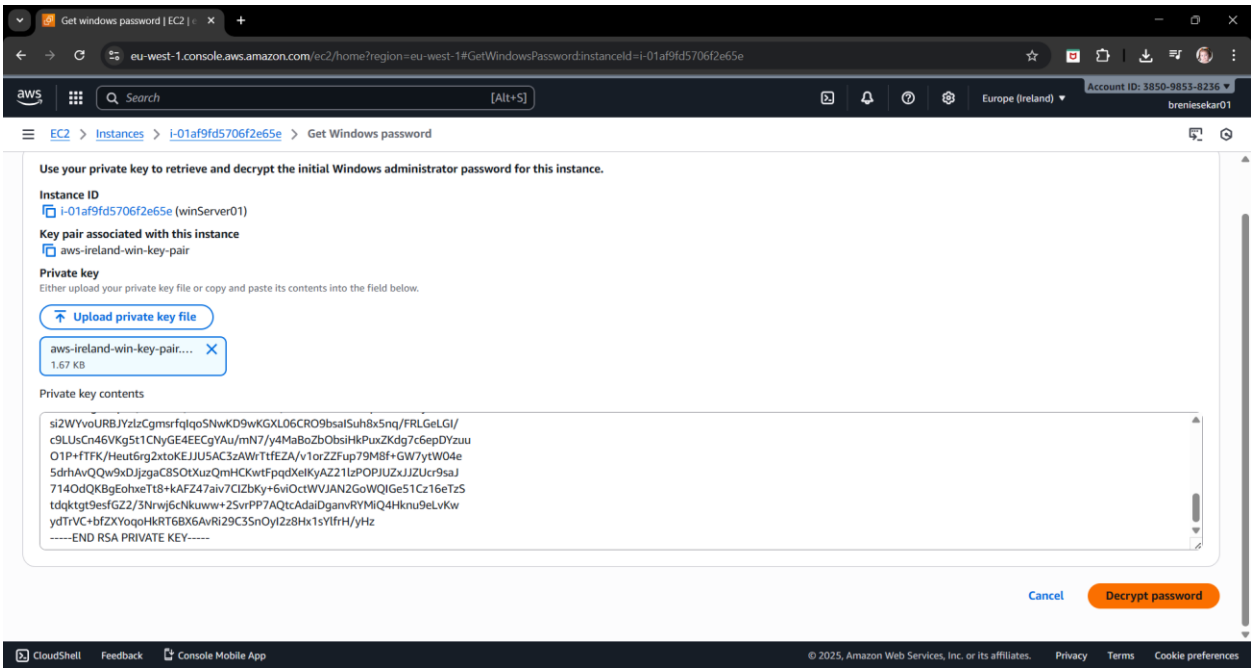
In the EC2 console, the instance was selected and the option Actions → Security → Get Windows password was used. The .pem key file was uploaded and decrypted, after which the username (Administrator) and password were obtained.

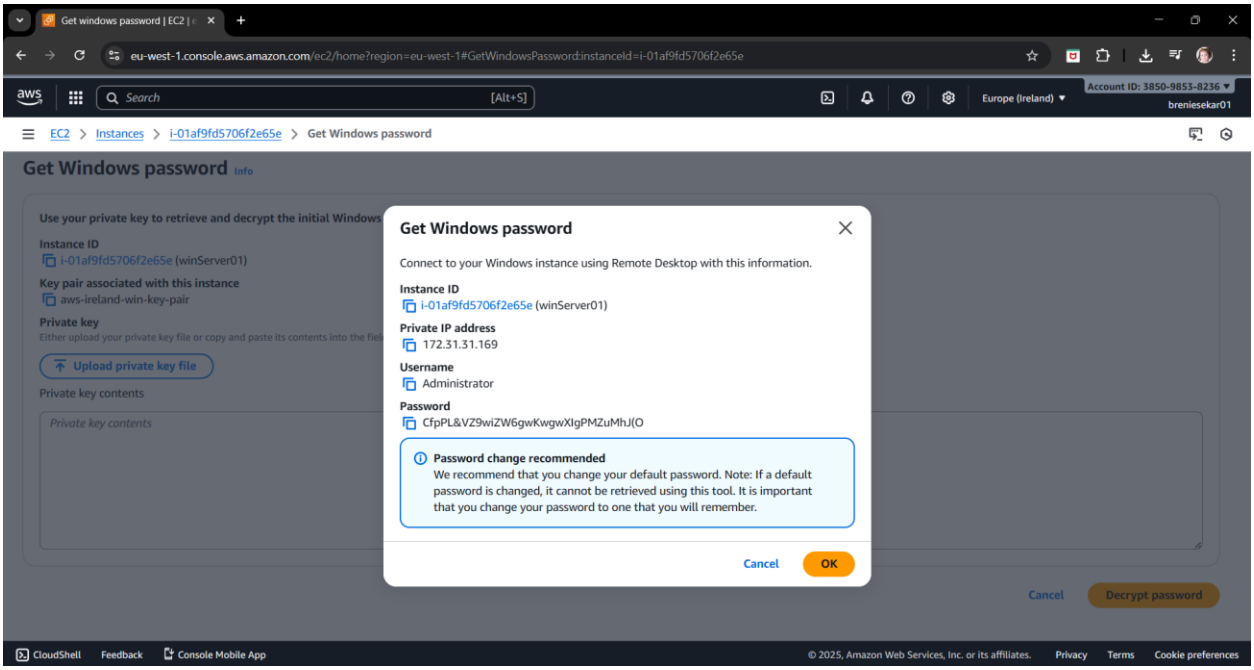





Get windows password | EC2 |
eu-west-1.console.aws.amazon.com/ec2/home?region=eu-west-1#GetWindowsPassword:instanceId=i-01af9fd5706f2e65e
Search
[Alt+S]
Europe (Ireland)
Account ID: 3850-9853-8236
breniesekar01
EC2 > Instances > i-01af9fd5706f
Get Windows password
Use your private key to retrieve and dec
Instance ID
i-01af9fd5706f2e65e (winServer01)
Key pair associated with this instance
aws-ireland-win-key-pair
Private key
Either upload your private key file or copy and
Upload private key file
Private key contents
Private key contents
Cancel
Decrypt password
Open
Downloads
Search Downloads
Organize
New folder
BRENIE - Personal
Desktop
Downloads
Documents
Pictures
Music
Videos
Name
Date modified
Type
Today
aws-ireland-win-key-pair.pem
12/7/2025 5:46 PM
PEM File
A long time ago
Gen_AI_old-01_streamlit
12/30/2024 12:55 PM
File folder
File name: aws-ireland-win-key-pair.pem
PEM File
Open
Cancel
CloudShell
Feedback
Console Mobile App
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


Get windows password | EC2 |
eu-west-1.console.aws.amazon.com/ec2/home?region=eu-west-1#GetWindowsPassword:instanceId=i-01af9fd5706f2e65e
Search
[Alt+S]
Europe (Ireland)
Account ID: 3850-9853-8236
breniesekar01
EC2 > Instances > i-01af9fd5706f2e65e > 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-01af9fd5706f2e65e (winServer01)
Key pair associated with this instance
aws-ireland-win-key-pair
Private key
Either upload your private key file or copy and paste its contents into the field below.
Upload private key file
aws-ireland-win-key-pair....
1.67 KB
Private key contents
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEAwyyhhgBsJ69vew9zLrnW1neHbETwQ79PKrnCu6FxCAZLN2J+
MXLvOcMgth8B044Xrk8BZyEKXWD2ZTZNSo4M3ojwhzc4if8ZhumJP+Iwo3VwBunM
wOV5TTU49oe5AKSxBZmhGpieZn2jK/w3F+nKtDgv5aZpg4brp4L0p8sM1B5G4+ip
21SoCe55WM3JEy5632hEBBehU0+XgqTPFhugzYT1L1QkaT31v2FjfgX8qAsqAvfj
+w0z91Mm7b80DAtwX6SNGNqd33ltSLW0SeRRyN6eOcP9j3NqfVjEn5VfokuDsaTJ
uyezq+hMu3NCmChcdxb+CwCTHO+Lvia3JBWx9QIDAQABAoIBAQC003HnRBbwgcLo
ofzWasmYNHAcqJZuPh4r+KVpz354r9QaQT+nstPfkWCKO5omljxse7i9fBQtRbuj
CloudShell
Feedback
Console Mobile App
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

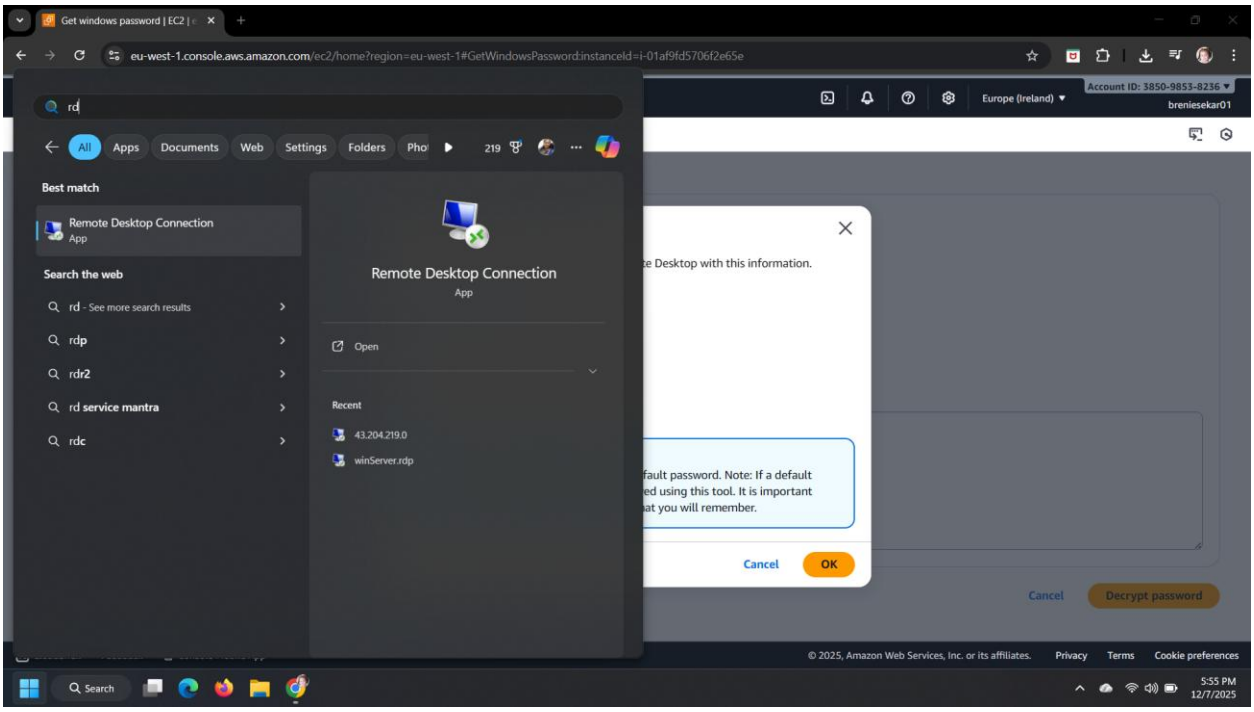


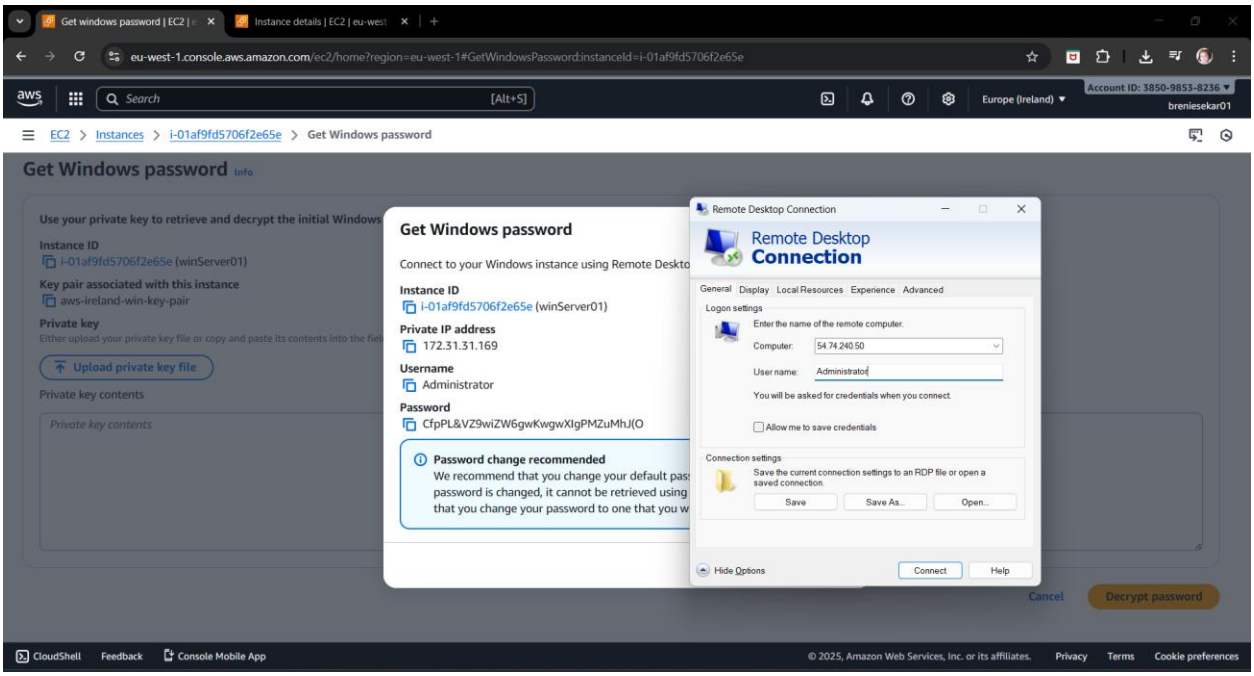


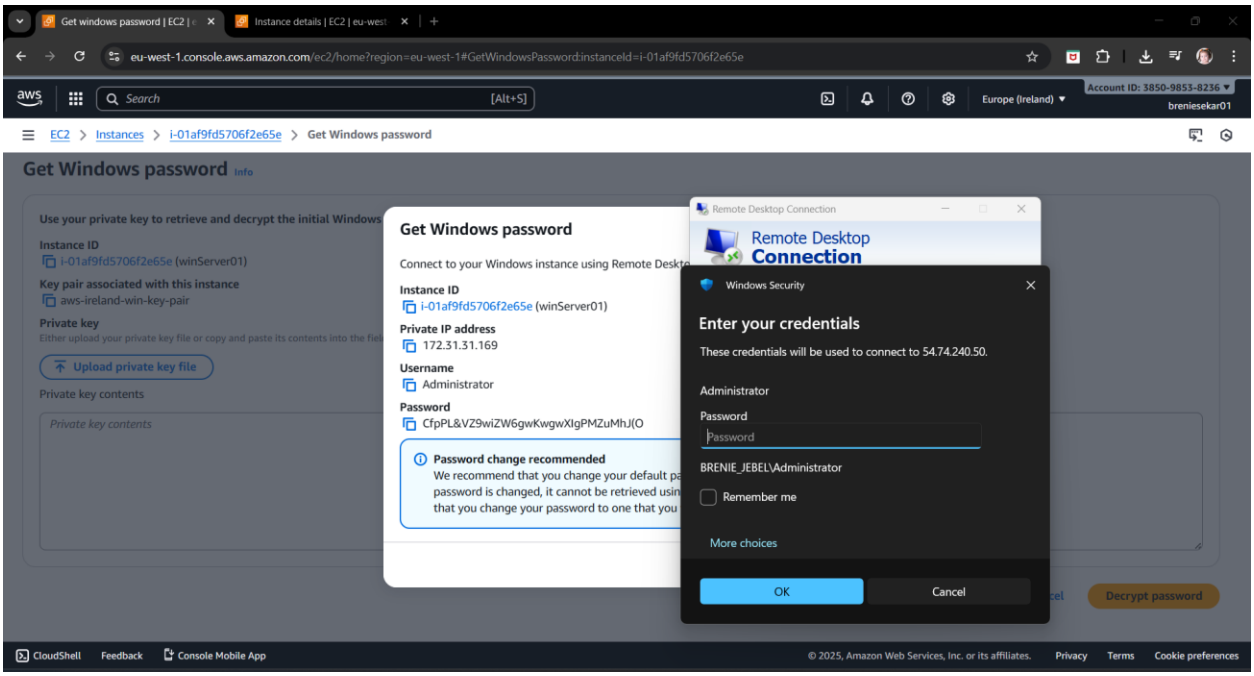
Open Remote Desktop

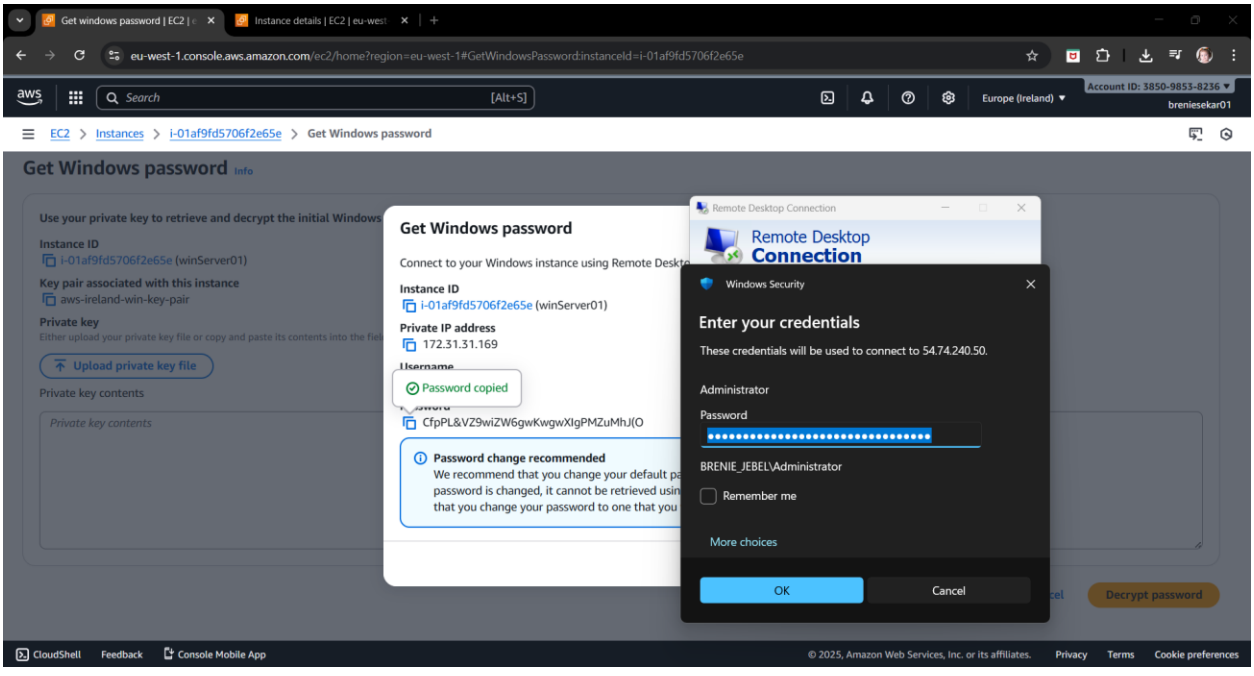
The Remote Desktop application was opened from the window search menu. In the RDP client, the public IP address of the instance was entered.

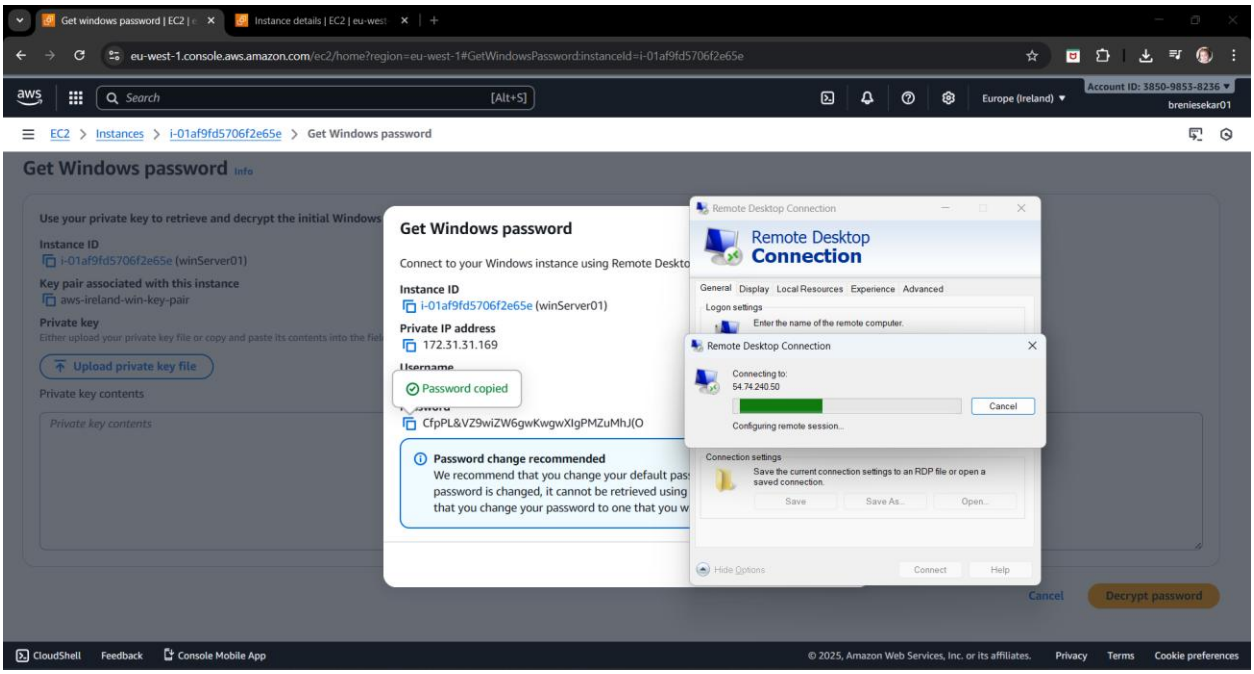
The connection was then established using the Administrator username and password.

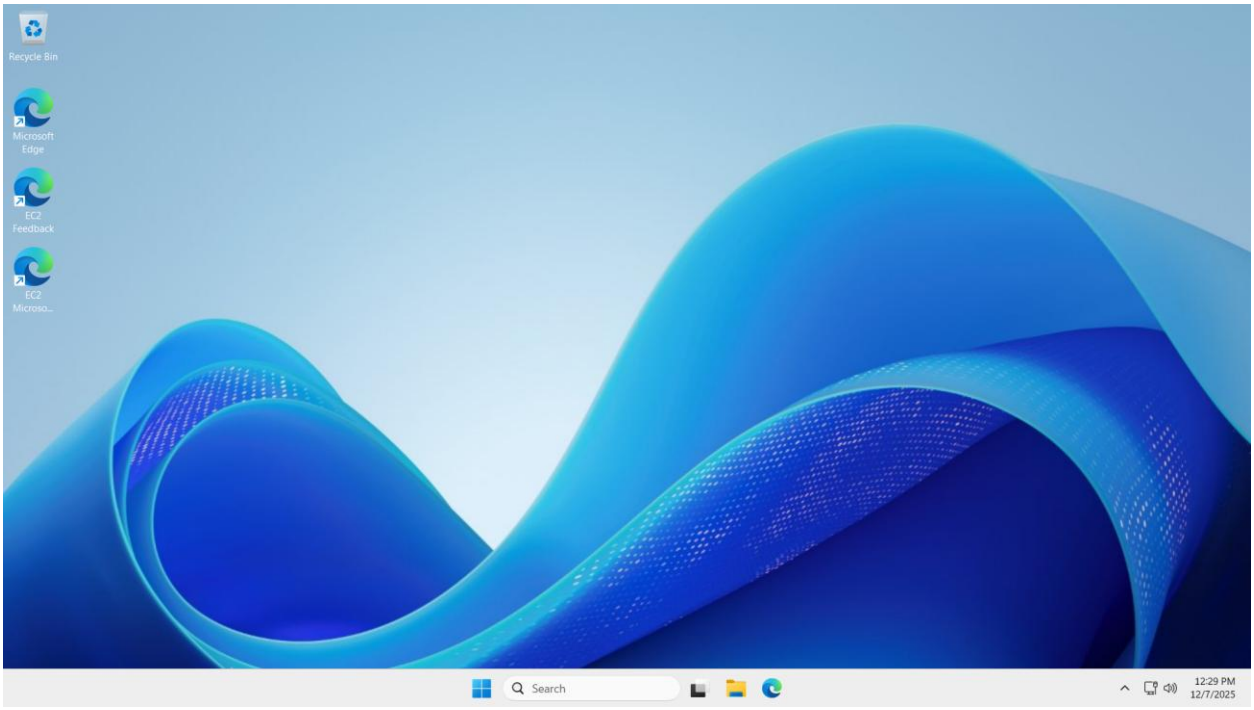

Get windows password | EC2 |
eu-west-1.console.aws.amazon.com/ec2/home?region=eu-west-1#GetWindowsPassword:instanceId=i-01af9fd5706f2e65e
rd
All
Apps
Documents
Web
Settings
Folders
Best match
Remote Desktop Connection
App
Search the web
rd - See more search results
rdp
rdr2
rd service mantra
rdc
Remote Desktop Connection
App
Open
Recent
43.204.219.0
winServer.rdp
Desktop with this information.
fault password. Note: If a default
ed using this tool. It is important
at you will remember.
Cancel
OK
Cancel
Decrypt password
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
5:55 PM
12/7/2025


Get windows password | EC2 |
Instance details | EC2 | eu-west
eu-west-1.console.aws.amazon.com/ec2/home?region=eu-west-1#GetWindowsPassword:instanceId=i-01af9fd5706f2e65e
Search
[Alt+S]
Europe (Ireland)
Account ID: 3850-9853-8236
breniesekar01
EC2 > Instances > i-01af9fd5706f2e65e > Get Windows password
Get Windows password
Info
Use your private key to retrieve and decrypt the initial Windows
Instance ID
i-01af9fd5706f2e65e (winServer01)
Key pair associated with this instance
aws-ireland-win-key-pair
Private key
Upload private key file
Private key contents
Private key contents
Get Windows password
Connect to your Windows instance using Remote Deskto
Instance ID
i-01af9fd5706f2e65e (winServer01)
Private IP address
172.31.31.169
Username
Administrator
Password
CfpPL&VZ9wiZW6gwKwgwXIgPMZuMhJ(O
Password change recommended
We recommend that you change your default pas
password is changed, it cannot be retrieved using
that you change your password to one that you w
Remote Desktop Connection
Remote Desktop
Connection
General
Display
Local Resources
Experience
Advanced
Logon settings
Enter the name of the remote computer.
Computer:
54.74.240.50
User name:
Administrator
You will be asked for credentials when you connect.
Allow me to save credentials
Connection settings
Save the current connection settings to an RDP file or open a saved connection.
Save
Save As...
Open...
Hide Options
Connect
Help
Cancel
Decrypt password
CloudShell
Feedback
Console Mobile App
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


Get windows password | EC2 |
Instance details | EC2 | eu-west
eu-west-1.console.aws.amazon.com/ec2/home?region=eu-west-1#GetWindowsPassword:instanceId=i-01af9fd5706f2e65e
Search
[Alt+S]
Europe (Ireland)
Account ID: 3850-9853-8236
breniesekar01
EC2 > Instances > i-01af9fd5706f2e65e > Get Windows password
Get Windows password Info
Use your private key to retrieve and decrypt the initial Windows
Instance ID
i-01af9fd5706f2e65e (winServer01)
Key pair associated with this instance
aws-ireland-win-key-pair
Private key
Upload private key file
Private key contents
Private key contents
Get Windows password
Connect to your Windows instance using Remote Deskt
Instance ID
i-01af9fd5706f2e65e (winServer01)
Private IP address
172.31.31.169
Username
Administrator
Password
CfpPL&VZ9wiZW6gwKwgwXIgPMZuMhJ(O
Password change recommended
We recommend that you change your default pa
password is changed, it cannot be retrieved usin
that you change your password to one that you
Remote Desktop Connection
Remote Desktop Connection
Windows Security
Enter your credentials
These credentials will be used to connect to 54.74.240.50.
Administrator
Password
Password
BRENIE_JEBEL\Administrator
Remember me
More choices
OK
Cancel
Decrypt password
CloudShell
Feedback
Console Mobile App
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

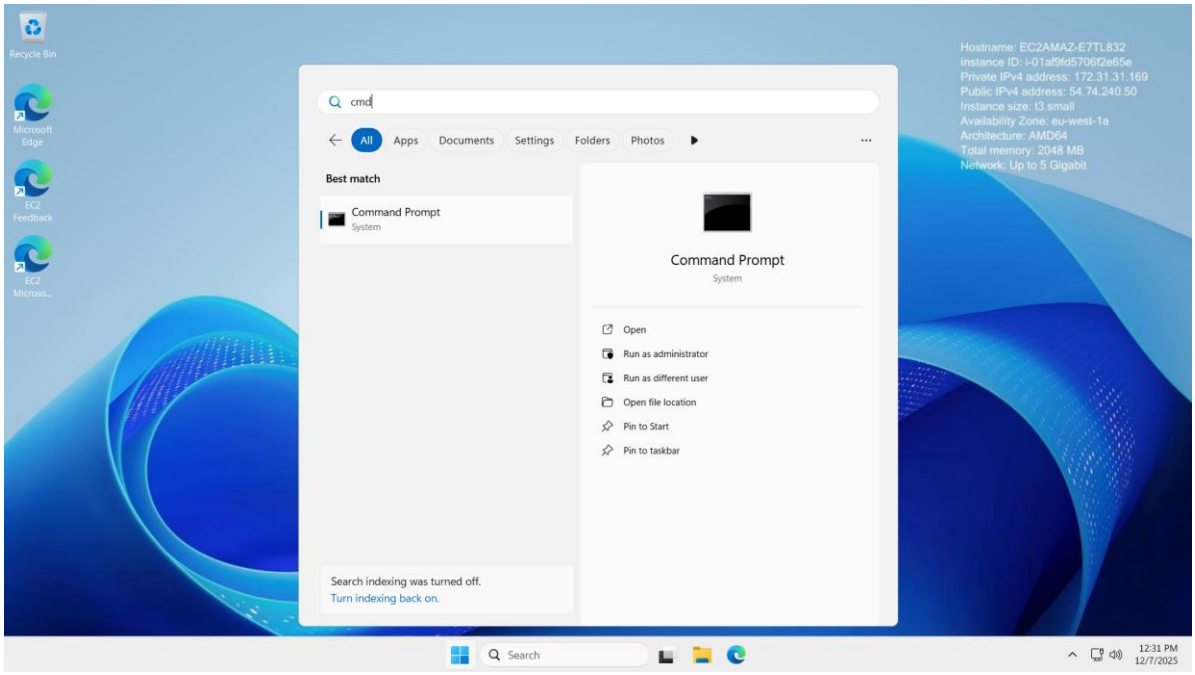

Get windows password | EC2 |
Instance details | EC2 | eu-west
eu-west-1.console.aws.amazon.com/ec2/home?region=eu-west-1#GetWindowsPassword:instanceId=i-01af9fd5706f2e65e
Search
[Alt+S]
Europe (Ireland)
Account ID: 3850-9853-8236
breniesekar01
EC2 > Instances > i-01af9fd5706f2e65e > Get Windows password
Get Windows password Info
Use your private key to retrieve and decrypt the initial Windows
Instance ID
i-01af9fd5706f2e65e (winServer01)
Key pair associated with this instance
aws-ireland-win-key-pair
Private key
Upload private key file
Private key contents
Private key contents
Get Windows password
Connect to your Windows instance using Remote Deskt
Instance ID
i-01af9fd5706f2e65e (winServer01)
Private IP address
172.31.31.169
Password copied
CfpPL&VZ9wiZW6gwKwgwXIgPMZuMhJ(O
Password change recommended
We recommend that you change your default pa
password is changed, it cannot be retrieved usin
that you change your password to one that you
Remote Desktop Connection
Remote Desktop Connection
Windows Security
Enter your credentials
These credentials will be used to connect to 54.74.240.50.
Administrator
Password
BRENIE_JEBEL\Administrator
Remember me
More choices
OK
Cancel
Decrypt password
CloudShell
Feedback
Console Mobile App
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


Get windows password | EC2 |
Instance details | EC2 | eu-west
eu-west-1.console.aws.amazon.com/ec2/home?region=eu-west-1#GetWindowsPassword:instanceId=i-01af9fd5706f2e65e
Search
[Alt+S]
Europe (Ireland)
Account ID: 3850-9853-8236
breniesekar01
EC2 > Instances > i-01af9fd5706f2e65e > Get Windows password
Get Windows password
Info
Use your private key to retrieve and decrypt the initial Windows
Instance ID
i-01af9fd5706f2e65e (winServer01)
Key pair associated with this instance
aws-ireland-win-key-pair
Private key
Upload private key file
Private key contents
Private key contents
Get Windows password
Connect to your Windows instance using Remote Deskto
Instance ID
i-01af9fd5706f2e65e (winServer01)
Private IP address
172.31.31.169
Password copied
CfpPL&VZ9wiZW6gwKwgwXIgPMZuMhJ(O
Password change recommended
We recommend that you change your default pas
password is changed, it cannot be retrieved using
that you change your password to one that you w
Remote Desktop Connection
Remote Desktop
Connection
General
Display
Local Resources
Experience
Advanced
Logon settings
Enter the name of the remote computer.
Remote Desktop Connection
Connecting to:
54.74.240.50
Cancel
Configuring remote session...
Connection settings
Save the current connection settings to an RDP file or open a saved connection.
Save
Save As...
Open...
Hide Options
Connect
Help
Cancel
Decrypt password
CloudShell
Feedback
Console Mobile App
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

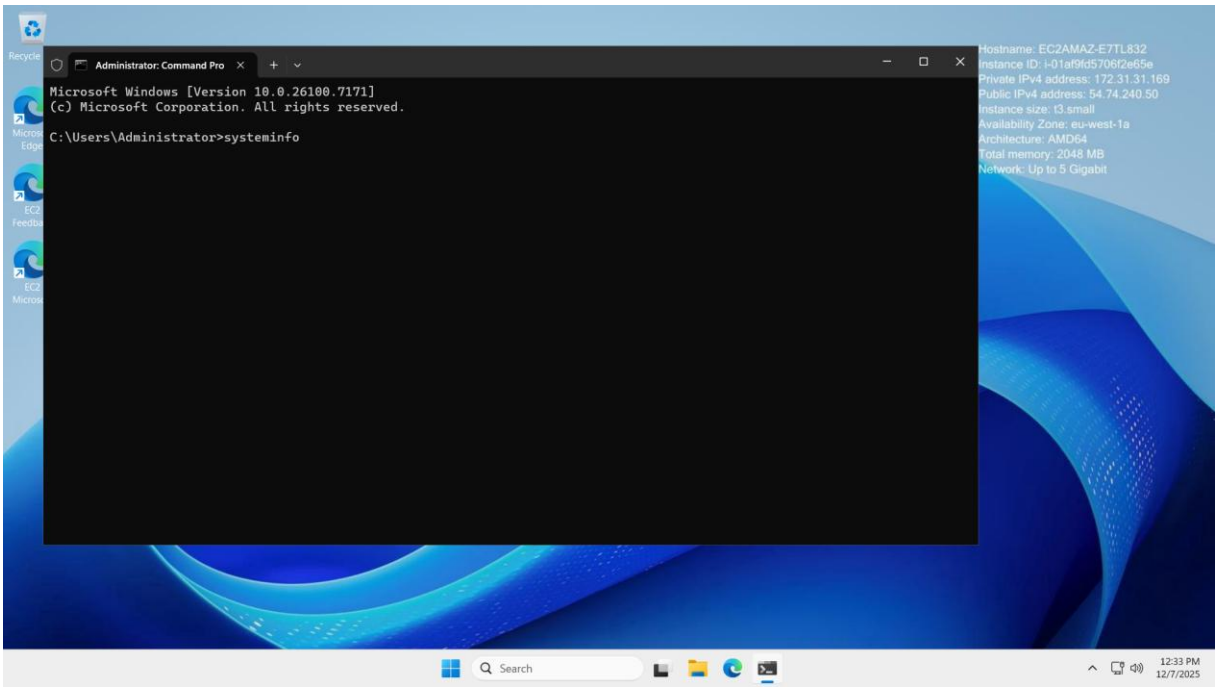

Recycle Bin
Microsoft Edge
EC2 Feedback
EC2 Microso...
Search
12:29 PM
12/7/2025

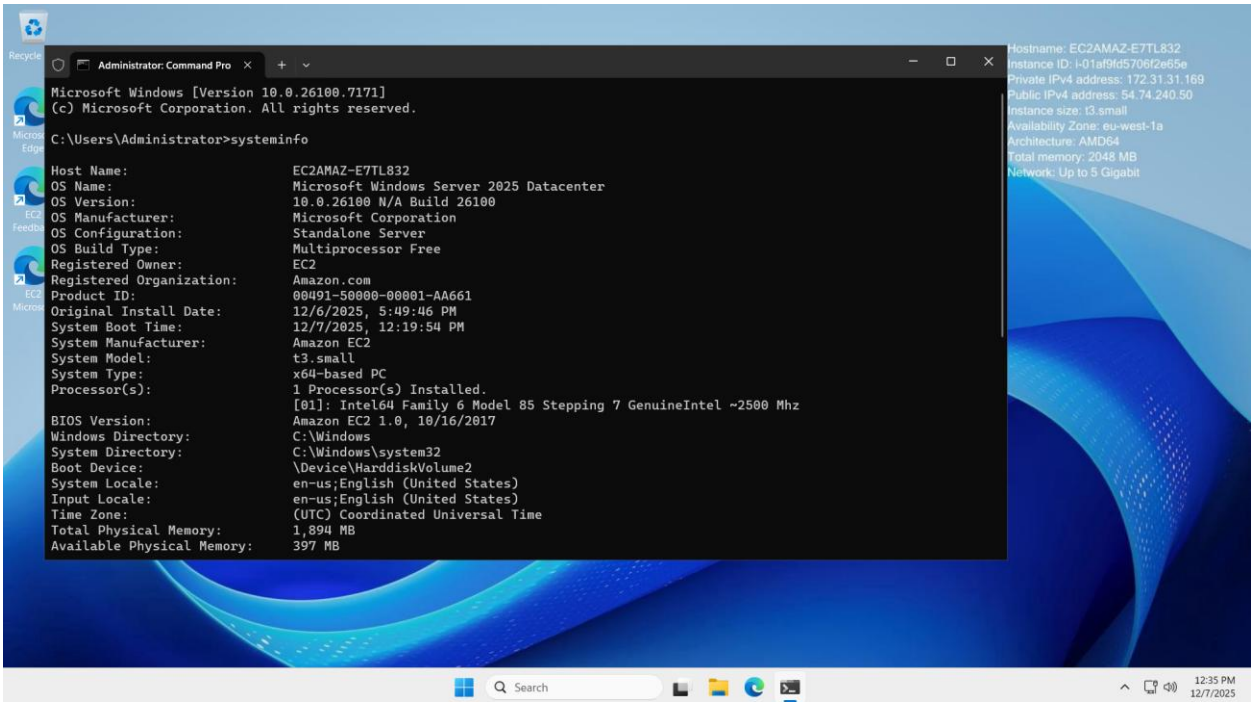
Check System Info

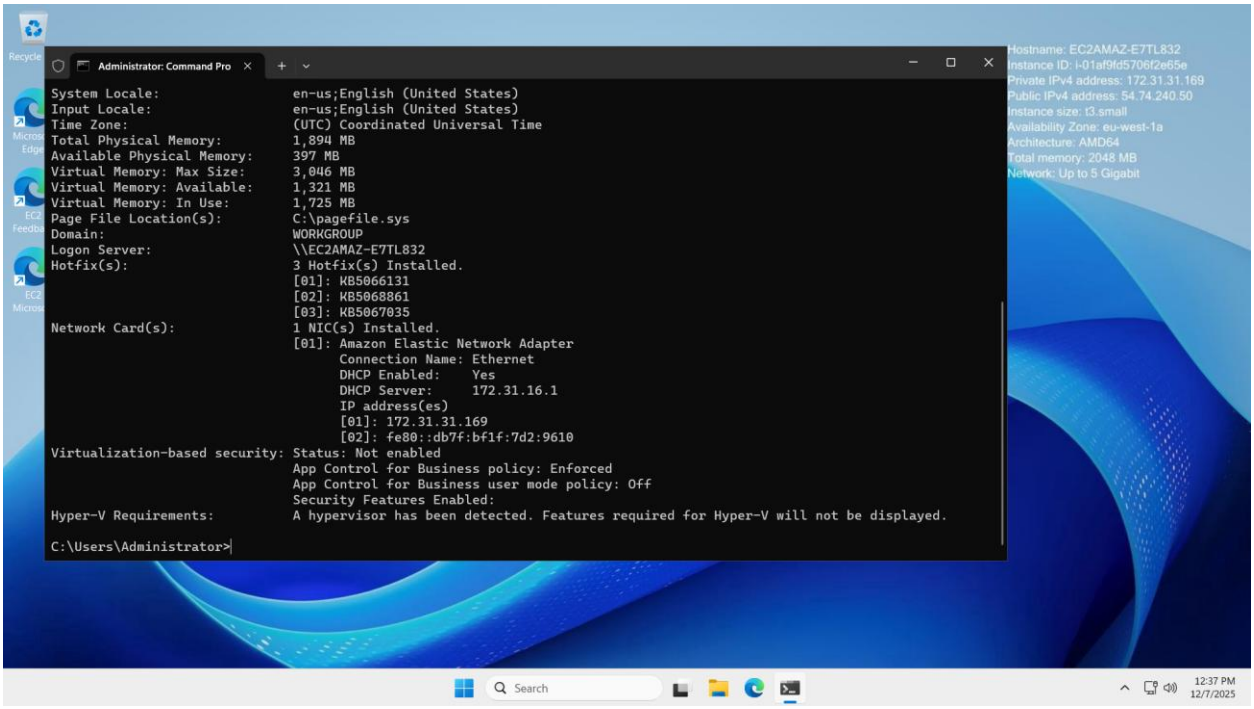
The Command Prompt was opened by pressing Win + R, typing cmd, and confirming with Enter.



Once the terminal was launched, the command "**systeminfo**" was executed to retrieve system details of the Windows virtual machine.







The output details of the system configuration and environment were then captured and shared below :

C:\Users\Administrator>systeminfo

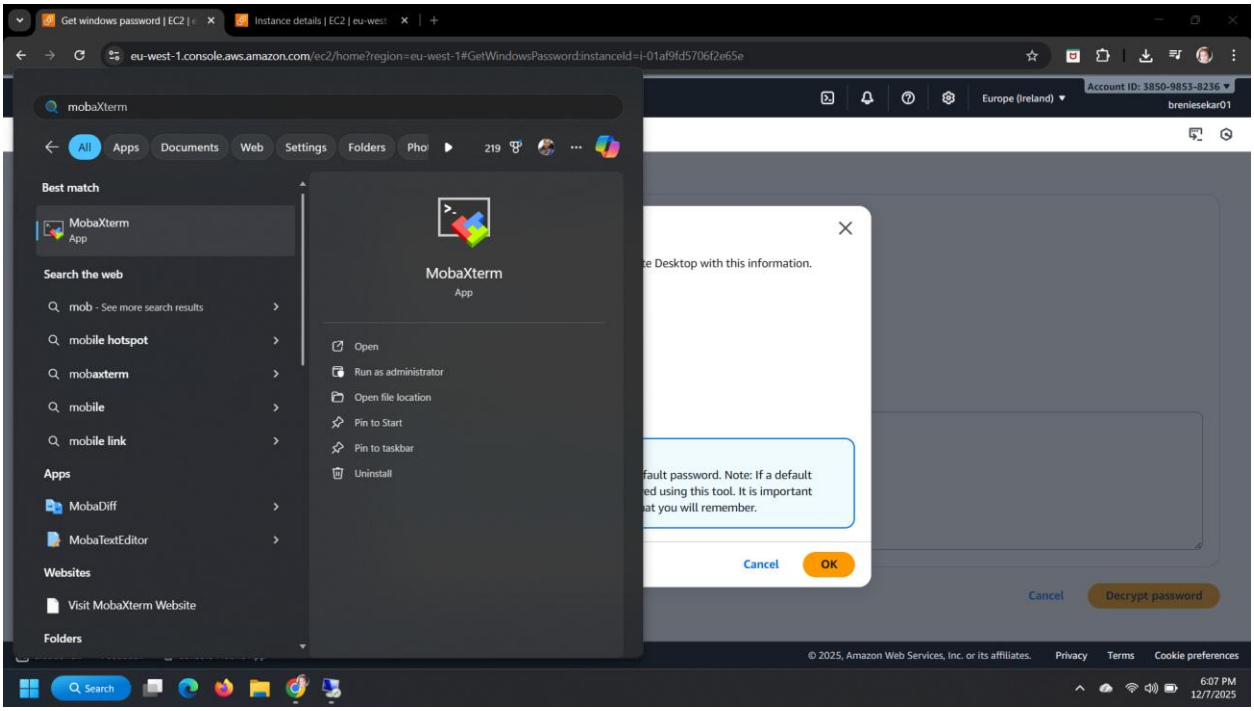
Host Name:	EC2AMAZ-E7TL832
OS Name:	Microsoft Windows Server 2025 Datacenter
OS Version:	10.0.26100 N/A Build 26100
OS Manufacturer:	Microsoft Corporation
OS Configuration:	Standalone Server
OS Build Type:	Multiprocessor Free
Registered Owner:	EC2
Registered Organization:	Amazon.com
Product ID:	00491-50000-00001-AA661
Original Install Date:	12/6/2025, 5:49:46 PM
System Boot Time:	12/7/2025, 12:19:54 PM
System Manufacturer:	Amazon EC2
System Model:	t3.small
System Type:	x64-based PC
Processor(s):	1 Processor(s) Installed.
	[01]: Intel64 Family 6 Model 85 Stepping 7 GenuineIntel ~2500 Mhz
BIOS Version:	Amazon EC2 1.0, 10/16/2017
Windows Directory:	C:\Windows
System Directory:	C:\Windows\system32
Boot Device:	\Device\HarddiskVolume2
System Locale:	en-us;English (United States)
Input Locale:	en-us;English (United States)
Time Zone:	(UTC) Coordinated Universal Time
Total Physical Memory:	1,894 MB
Available Physical Memory:	397 MB
Virtual Memory: Max Size:	3,046 MB
Virtual Memory: Available:	1,321 MB
Virtual Memory: In Use:	1,725 MB
Page File Location(s):	C:\pagefile.sys
Domain:	WORKGROUP
Logon Server:	\\EC2AMAZ-E7TL832
Hotfix(s):	3 Hotfix(s) Installed.
	[01]: KB5066131
	[02]: KB5068861
	[03]: KB5067035
Network Card(s):	1 NIC(s) Installed.
	[01]: Amazon Elastic Network Adapter
	Connection Name: Ethernet
	DHCP Enabled: Yes
	DHCP Server: 172.31.16.1
	IP address(es)
	[01]: 172.31.31.169
	[02]: fe80::db7f:bf1f:7d2:9610

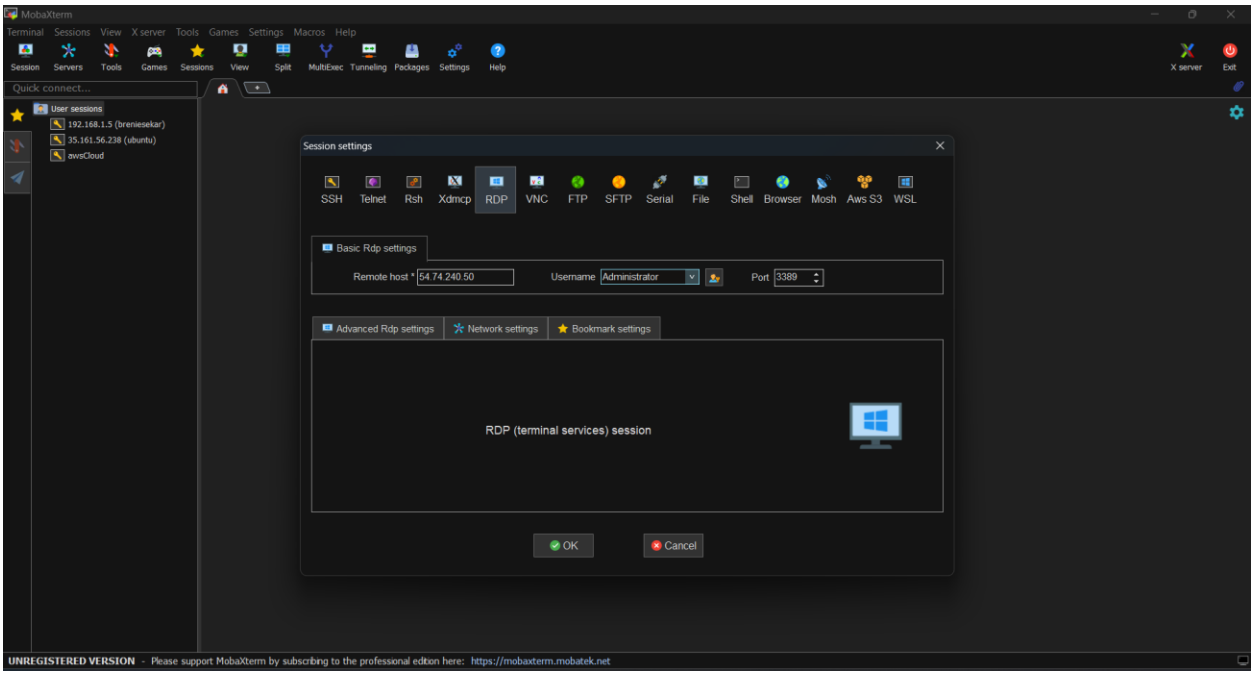
Virtualization-based security: Status: Not enabled
App Control for Business policy: Enforced
App Control for Business user mode policy: Off
Security Features Enabled:
Hyper-V Requirements: A hypervisor has been detected. Features required for Hyper-V will not be displayed.

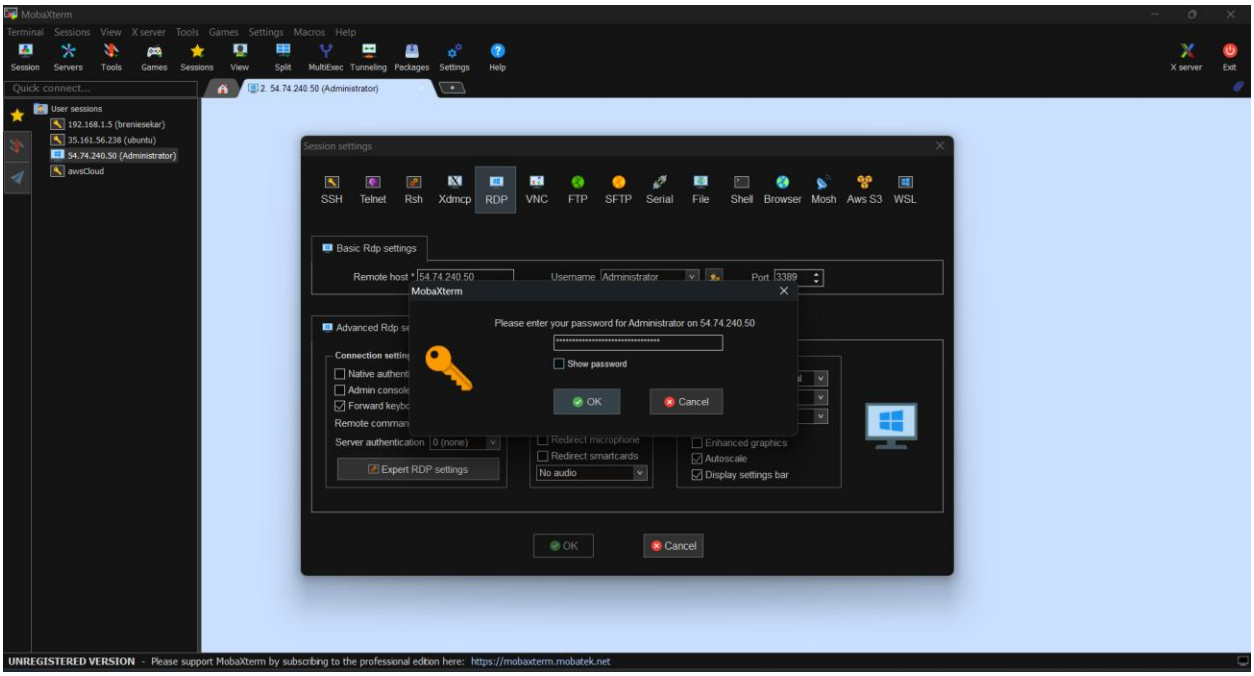
3.2: Connected using MobaXterm

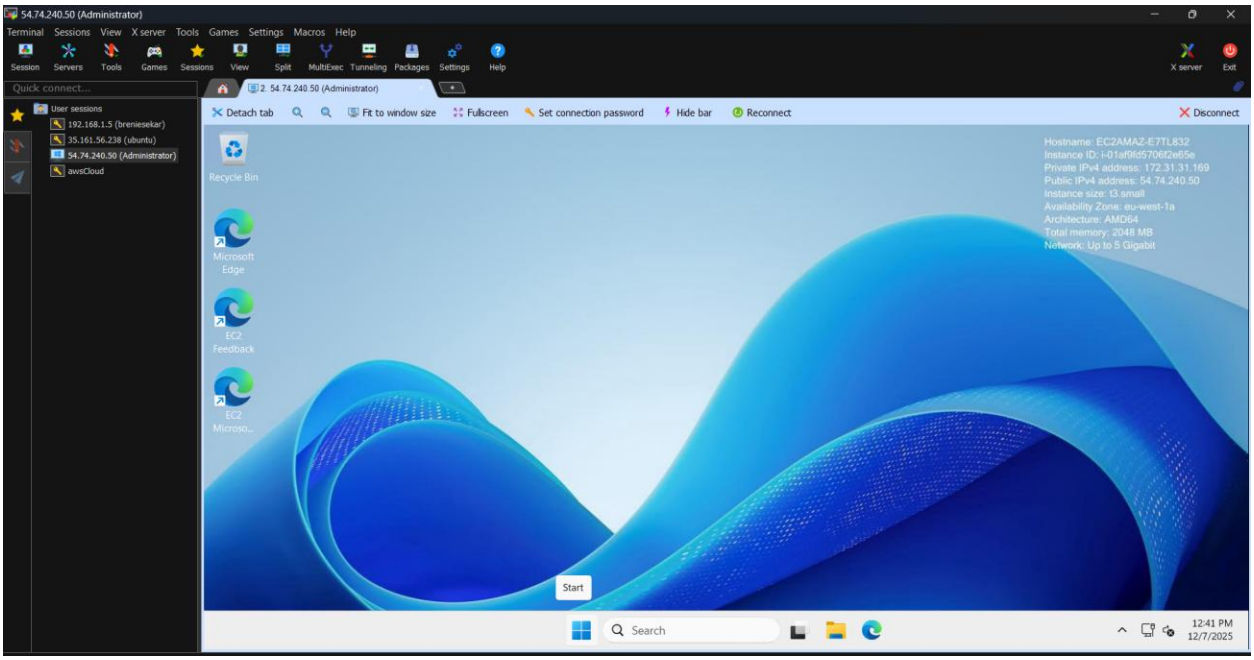
Open MobaXterm → Session

MobaXterm was opened and a new session was created. The RDP session type was selected, and the public IP address of the instance was entered as the remote host. The username Administrator and the decrypted password obtained from AWS were provided. The connection was established by selecting OK.



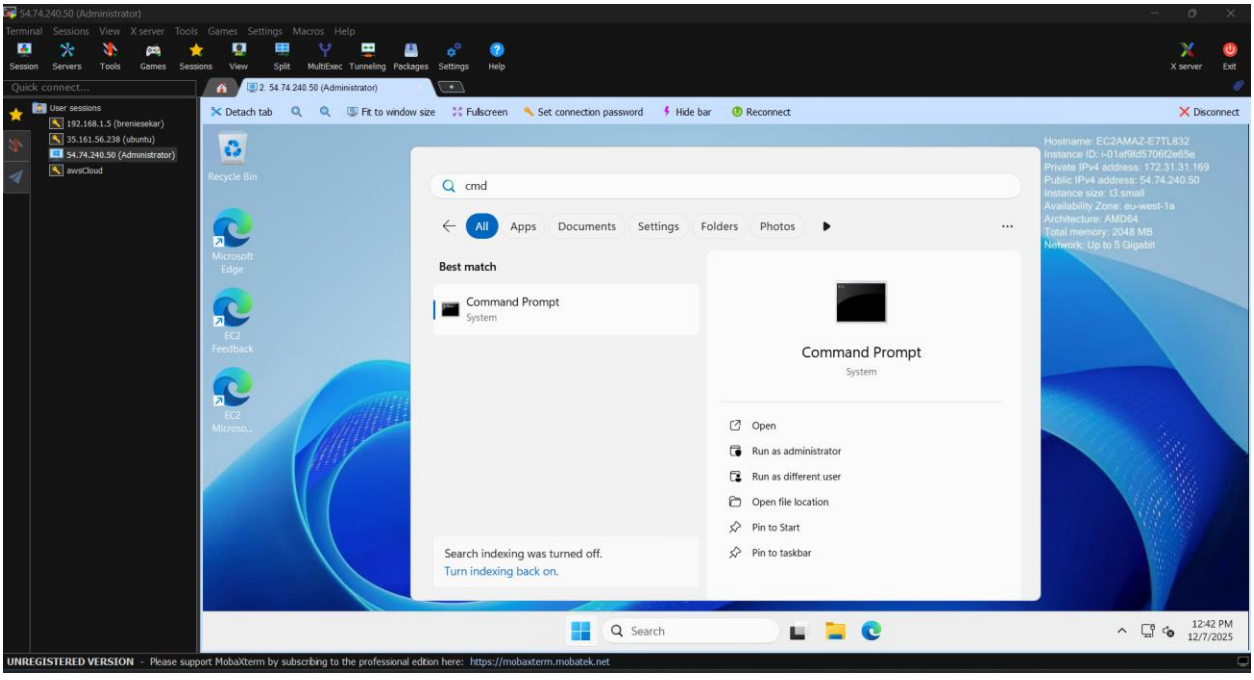

MobaXterm
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
User sessions
192.168.1.5 (breniesekar)
35.161.56.238 (ubuntu)
awsCloud
Session settings
SSH Telnet Rsh Xdmcp RDP VNC FTP SFTP Serial File Shell Browser Mosh Aws S3 WSL
Basic Rdp settings
Remote host * 54.74.240.50
Username Administrator
Port 3389
Advanced Rdp settings
Network settings
Bookmark settings
RDP (terminal services) session
OK
Cancel
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net

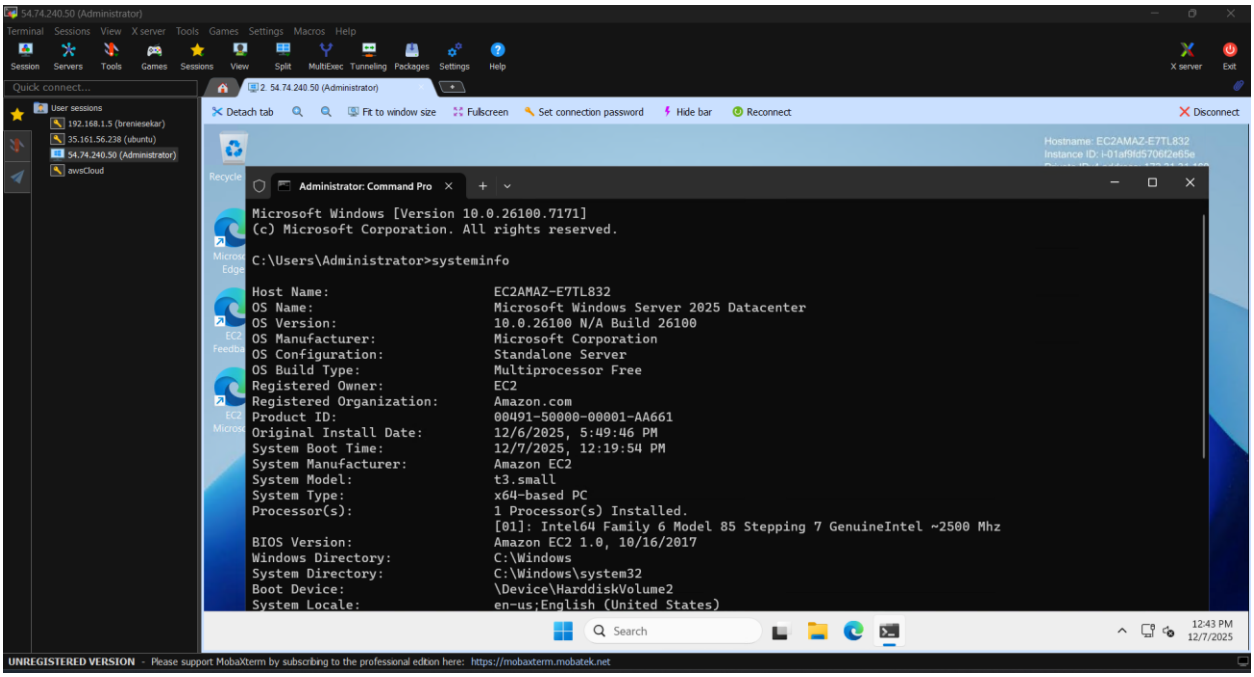

MobaXterm
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
2. 54.74.240.50 (Administrator)
User sessions
192.168.1.5 (breniesekar)
35.161.56.238 (ubuntu)
54.74.240.50 (Administrator)
awsCloud
Session settings
SSH Telnet Rsh Xdmcp RDP VNC FTP SFTP Serial File Shell Browser Mosh Aws S3 WSL
Basic Rdp settings
Remote host * 54.74.240.50
Username Administrator
Port 3389
MobaXterm
Please enter your password for Administrator on 54.74.240.50
Show password
OK
Cancel
Server authentication 0 (none)
Expert RDP settings
Redirect microphone
Redirect smartcards
No audio
Enhanced graphics
Autoscale
Display settings bar
OK
Cancel
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net



Open CMD inside Windows

After the RDP connection was established, the Command Prompt within the Windows environment was opened. The command "**systeminfo**" was executed to display the system information of the virtual machine.

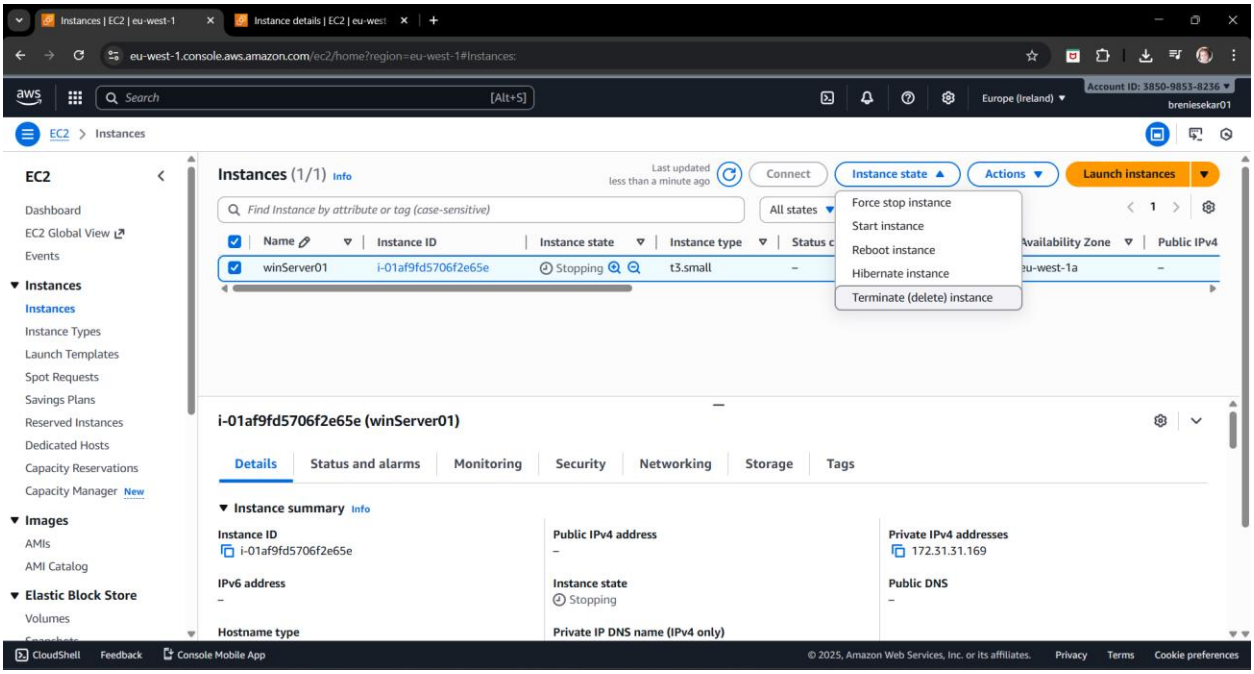


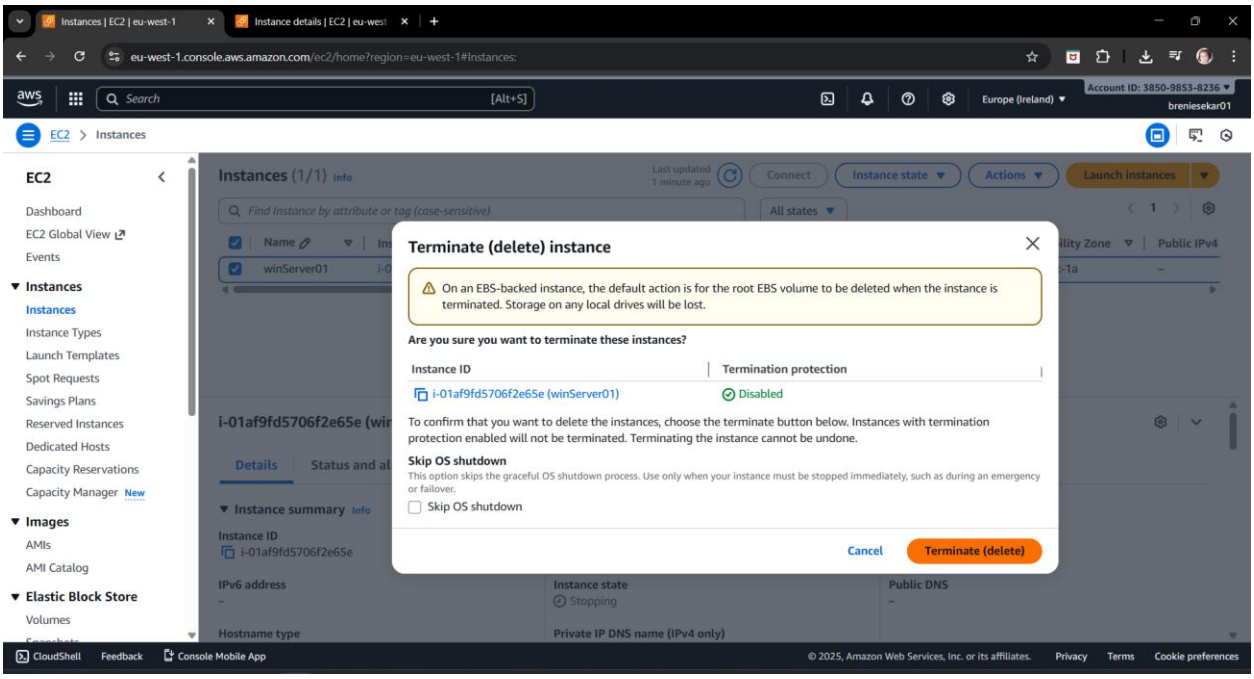


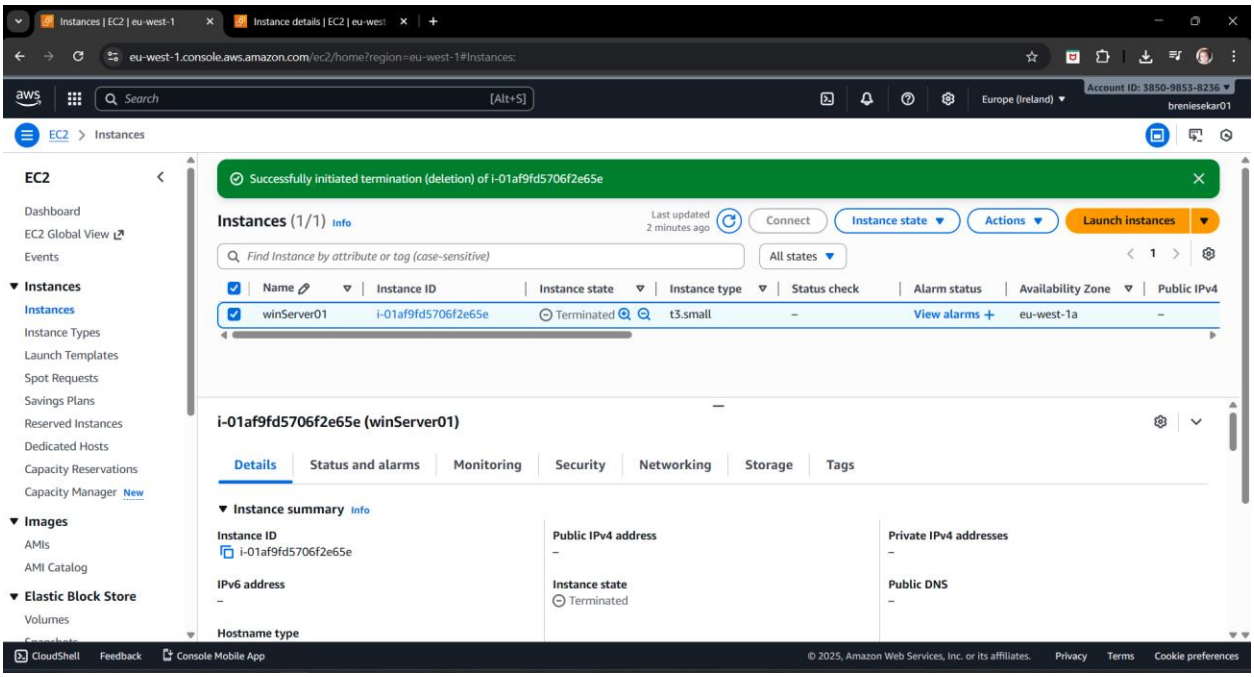
Step 4: Clean up

4.1 : Delete the created instance

In the EC2 console, the instance “winServer01” was selected. The option Instance State → Terminate was used, and the termination was confirmed. The instance stopped and was removed from the list shortly afterwards.

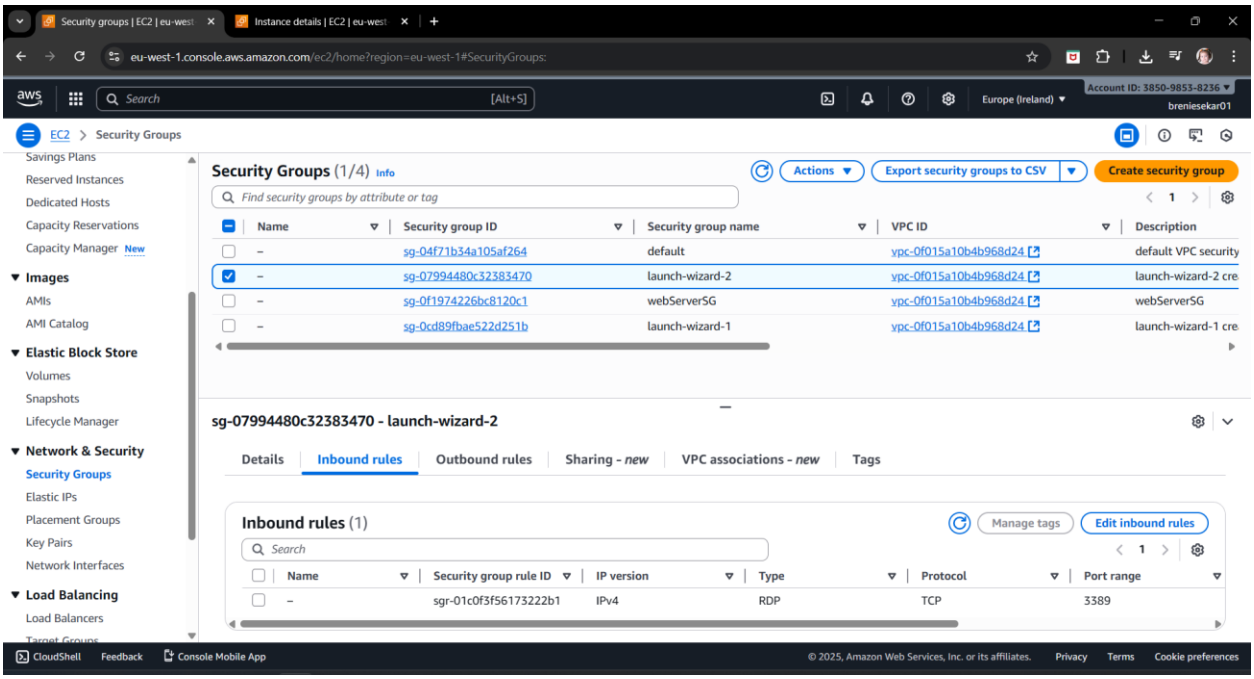


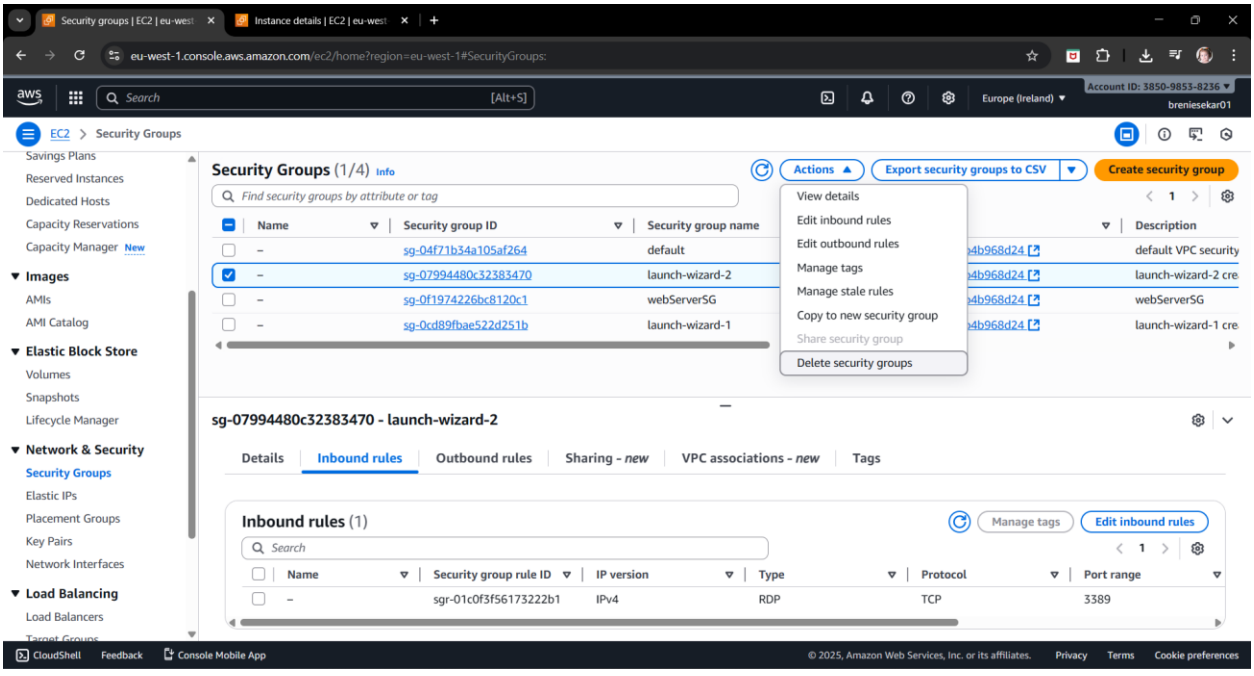

Terminate (delete) instance
On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost.
Are you sure you want to terminate these instances?
Instance ID
Termination protection
i-01af9fd5706f2e65e (winServer01)
Disabled
To confirm that you want to delete the instances, choose the terminate button below. Instances with termination protection enabled will not be terminated. Terminating the instance cannot be undone.
Skip OS shutdown
This option skips the graceful OS shutdown process. Use only when your instance must be stopped immediately, such as during an emergency or failover.
Skip OS shutdown
Cancel
Terminate (delete)

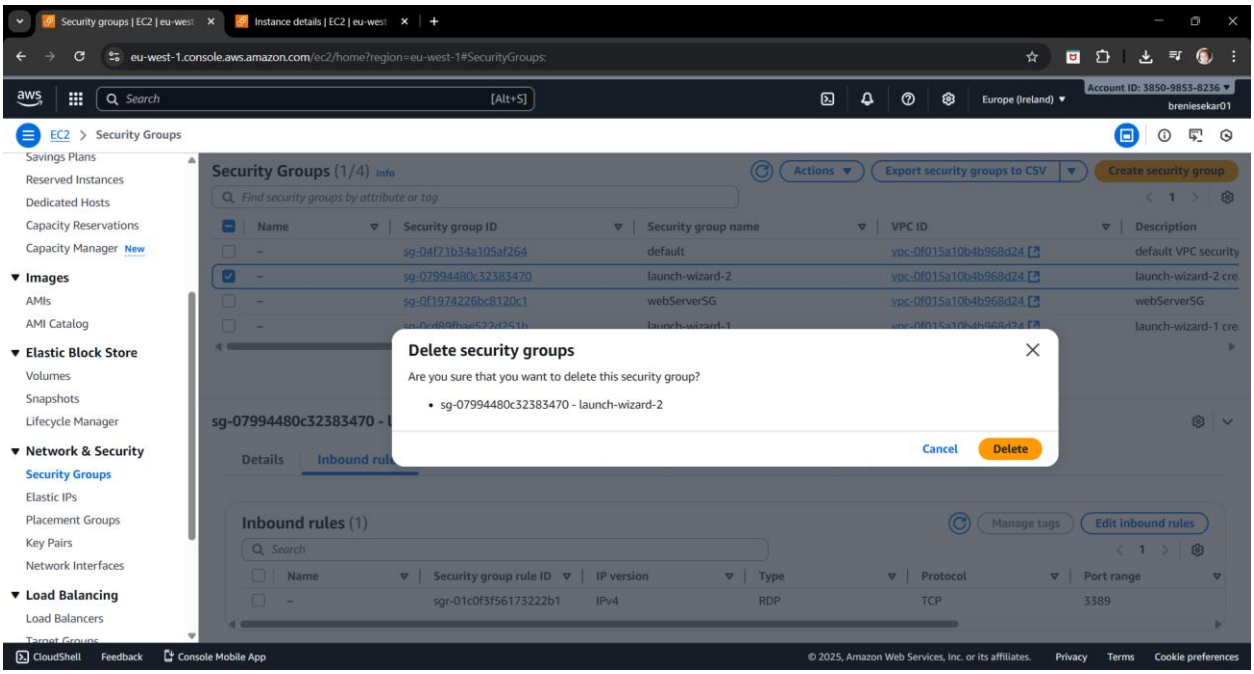

Successfully initiated termination (deletion) of i-01af9fd5706f2e65e
Instances (1/1)
winServer01
i-01af9fd5706f2e65e
Terminated
t3.small
eu-west-1a
i-01af9fd5706f2e65e (winServer01)
Details
Status and alarms
Monitoring
Security
Networking
Storage
Tags
Instance summary
Instance ID
i-01af9fd5706f2e65e
Public IPv4 address
Private IPv4 addresses
IPv6 address
Instance state
Terminated
Public DNS
Hostname type

4.1 : Delete the created security group

After the instance was terminated, the created security group “launch-wizard-2” was deleted. In the EC2 console, the Security Groups section was opened, and the created security group was selected. The option Actions → Delete Security Group was chosen, and the deletion was confirmed.







Task Summary :

- Logged in to the AWS Management Console.
- Created a Windows EC2 virtual machine using the Windows Server AMI.
- Configured the instance with a key pair and security group allowing RDP access.
- Connected to the Windows VM:
    - Using the default Remote Desktop application.
    - Using MobaXterm.
- Opened Command Prompt inside the VM and executed systeminfo to verify system details.
- Performed cleanup:
    - Terminated the created EC2 instance.
    - Deleted the associated security group.