

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.

The screenshot shows the 'Launch an instance' wizard in the AWS EC2 console. The first step, 'Name and tags', has a text input field containing 'aws task 1'. The 'Add additional tags' button is visible. The second step, 'Application and OS Images (Amazon Machine Image)', shows a search bar and a list of AMI icons including Amazon Linux, macOS, Ubuntu, Windows, Red Hat, SUSE Linux, and Debian. A tooltip for the Windows AMI says '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 IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.' The summary on the right indicates 1 instance, uses Microsoft Windows Server 2025, is a t3.micro instance, and includes a new security group. Buttons for 'Launch instance' and 'Preview code' are at the bottom.

The screenshot shows the 'Amazon Machine Image (AMI)' step of the wizard. It displays details for the Microsoft Windows Server 2025 Base AMI, including its AMI ID (ami-09ec59ede75ed2db7), architecture (64-bit (x86)), and root device type (ebs). The 'Free tier eligible' status is shown. The 'Description' section notes it's the Microsoft Windows Server 2025 Datacenter edition. The 'Architecture', 'AMI ID', 'Username', and 'Verified provider' fields are listed. The summary on the right shows 1 instance, uses Microsoft Windows Server 2025, is a t3.micro instance, and includes a new security group. Buttons for 'Launch instance' and 'Preview code' are at the bottom.

AWS | Search [Alt+S] N. Virginia arun28j

EC2 > Instances > Launch an instance

Instance type Info | Get advice

t3.micro

Family: t3 2 vCPU 1 GiB Memory Current generation: true
On-Demand Ubuntu Pro base pricing: 0.0139 USD per Hour
On-Demand SUSE base pricing: 0.0104 USD per Hour On-Demand Linux base pricing: 0.0104 USD per Hour
On-Demand RHEL base pricing: 0.0392 USD per Hour On-Demand Windows base pricing: 0.0196 USD per Hour

All generations Compare instance types

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 NEWKEY 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.

Network settings Info

Network | Info

vpc-073685058c2765cbf

Summary

Number of instances | Info

1

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 IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Preview code

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EC2 > Instances > Launch an instance

Network settings Info

Network | Info

vpc-073685058c2765cbf

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-8' with the following rules:

Allow RDP traffic from Anywhere 0.0.0.0/0

Allow HTTPS traffic from the internet To set up an endpoint, for example when creating a web server

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Cancel Launch instance Preview code

Screenshot of the AWS EC2 Instances Launch an instance page showing a success message and next steps.

Success
Successfully initiated launch of instance (i-024e31684c541caed)

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
[Create billing alerts](#)

Connect to your instance
Once your instance is running, log into it from your local computer.
[Connect to instance](#) [Learn more](#)

Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
[Connect an RDS database](#) [Create a new RDS database](#) [Learn more](#)

Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots.
[Create EBS snapshot policy](#)

Screenshot of the AWS EC2 Instances page showing the newly launched instance.

Instances (1/1) Info

Last updated less than a minute ago [Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)

Find Instance by attribute or tag (case-sensitive) All states

Instance ID = i-024e31684c541caed [Clear filters](#)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
aws task 1	i-024e31684c541caed	Running	t3.micro	Initializing	View alarms	us-east-1d	ec2-35-1

i-024e31684c541caed (aws task 1)

Instance summary

Instance ID i-024e31684c541caed	Public IPv4 address 35.171.3.41 open address	Private IPv4 addresses 172.31.89.209
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-35-171-3-41.compute-1.amazonaws.com open address

Connect to instance [Info](#)

Connect to your instance i-024e31684c541caed (aws task 1) using any of these options

Session Manager **RDP client** **EC2 serial console**

Instance ID
i-024e31684c541caed (aws task 1)

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
ec2-35-171-3-41.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.

[CloudShell](#) [Feedback](#)

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Get Windows password [Info](#)

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

Instance ID
i-024e31684c541caed (aws task 1)

Key pair associated with this instance
NEWKEY

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

[Upload private key file](#)

NEWKEY.pem
1.678KB

Private key contents - optional

```
-----BEGIN RSA PRIVATE KEY-----
MIIEpGIBAAKCAQEavu5BMqMgRvA/V0gMoKvnJXlvmmpofeqJnAkX2x5+dkARYu
wOn9NgGvnmXgjVjBt0HySj0y2fapBYndjd3loMwhqkaOTRCqAhP05mUX1DKIG
00mSPt1mM5SGIAAO+kYy6DfADWB0hdyZ1VRaQ/Vb8NFVII9FkojinYyrbPB/As+
QCf9jUjI2tW78kTTFFaCgnxeUserAf1owHnY5Z2/4MgbhWIDPHoqNAYOzbkLeE7
Ur0D1784m/06xk0B/HAw+pT/QPUPUOK/ZpGWQDQtgxUxW01wsJLzPr4AVs+jut
jg8Q3e97xEj5/WNKAAGHTOXpkXS0WMSkSrwwlDAGQAoBaCQjA/OUkD0Vr+E
DsoYmSwxQA7cNndAlw/jghv5O8dieCfxg8PibWsBrwrcuy5YCzC0vBHJ2IUeWd
```

[Cancel](#) [Decrypt password](#)

Get Windows password [Info](#)

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```
-----BEGIN RSA PRIVATE KEY-----
MIIEpGIBAAKCAQEavu5BMqMgRvA/V0gMoKvnJXlvmmpofeqJnAkX2x5+dkARYu
wOn9NgGvnmXgjVjBt0HySj0y2fapBYndjd3loMwhqkaOTRCqAhP05mUX1DKIG
00mSPt1mM5SGIAAO+kYy6DfADWB0hdyZ1VRaQ/Vb8NFVII9FkojinYyrbPB/As+
QCf9jUjI2tW78kTTFFaCgnxeUserAf1owHnY5Z2/4MgbhWIDPHoqNAYOzbkLeE7
Ur0D1784m/06xk0B/HAw+pT/QPUPUOK/ZpGWQDQtgxUxW01wsJLzPr4AVs+jut
jg8Q3e97xEj5/WNKAAGHTOXpkXS0WMSkSrwwlDAGQAoBaCQjA/OUkD0Vr+E
DsoYmSwxQA7cNndAlw/jghv5O8dieCfxg8PibWsBrwrcuy5YCzC0vBHJ2IUeWd
```

Windows Security

Enter your credentials

These credentials will be used to connect to ec2-35-171-3-41.compute-1.amazonaws.com.

Administrator
 Password

Remember me

More choices

OK **Cancel**

[Cancel](#) [Decrypt password](#)

aws Search [Alt+S] N. Virginia arun28

EC2 > Instances > i-024e31684c541caed > Connect to instance

Connect to instance Info

Connect to your instance i-024e31684c541caed (aws task 1) using any of these options

Session Manager RDP client EC2 serial console

Instance ID i-024e31684c541caed (aws task 1)

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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:

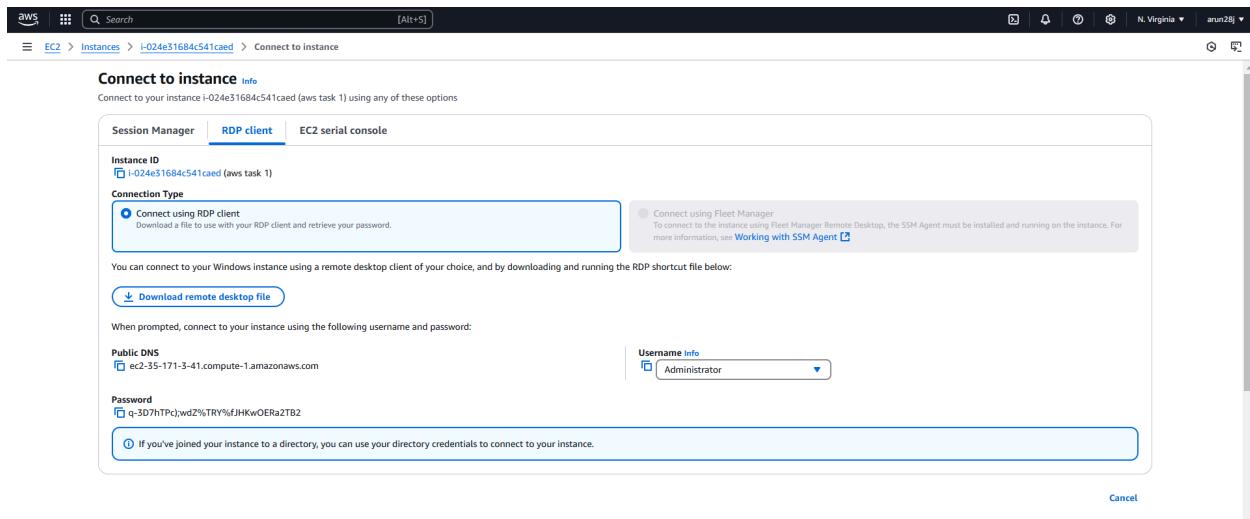
Public DNS ec2-35-171-3-41.compute-1.amazonaws.com

Username info

Password q-3D7hTPc;wd2%TRY%fJHKwOERa2TB2

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

Cancel



aws Search [Alt+S] N. Virginia arun28

EC2 > Instances > i-024e31684c541caed > Connect to instance

Connect to instance Info

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When prompted, connect to your instance using the following username and password:

Public DNS ec2-35-171-3-41.compute-1.amazonaws.com

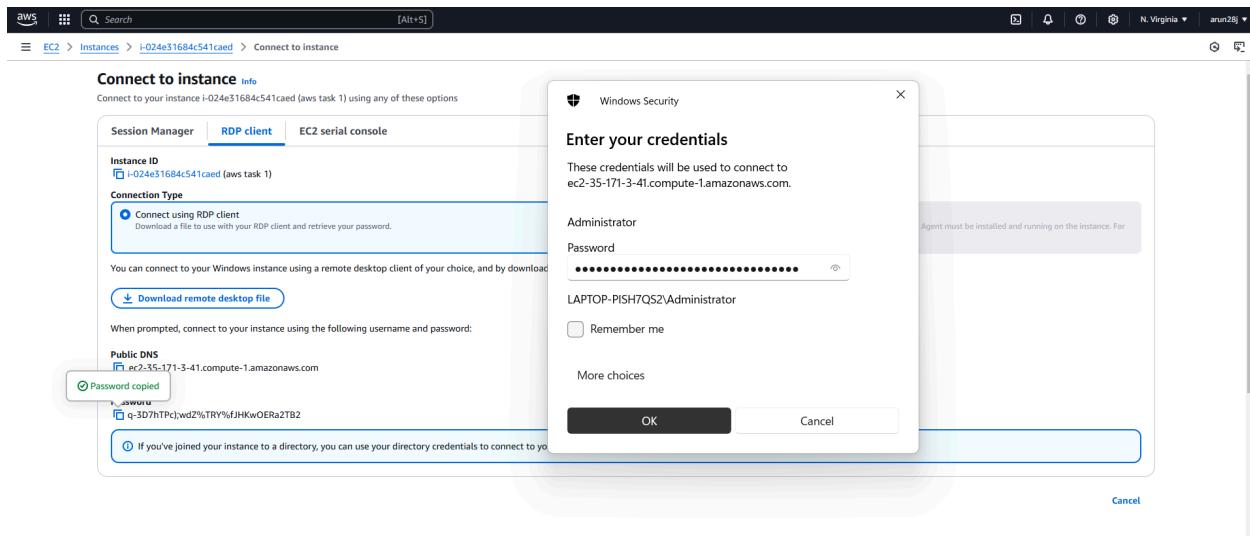
Password copied

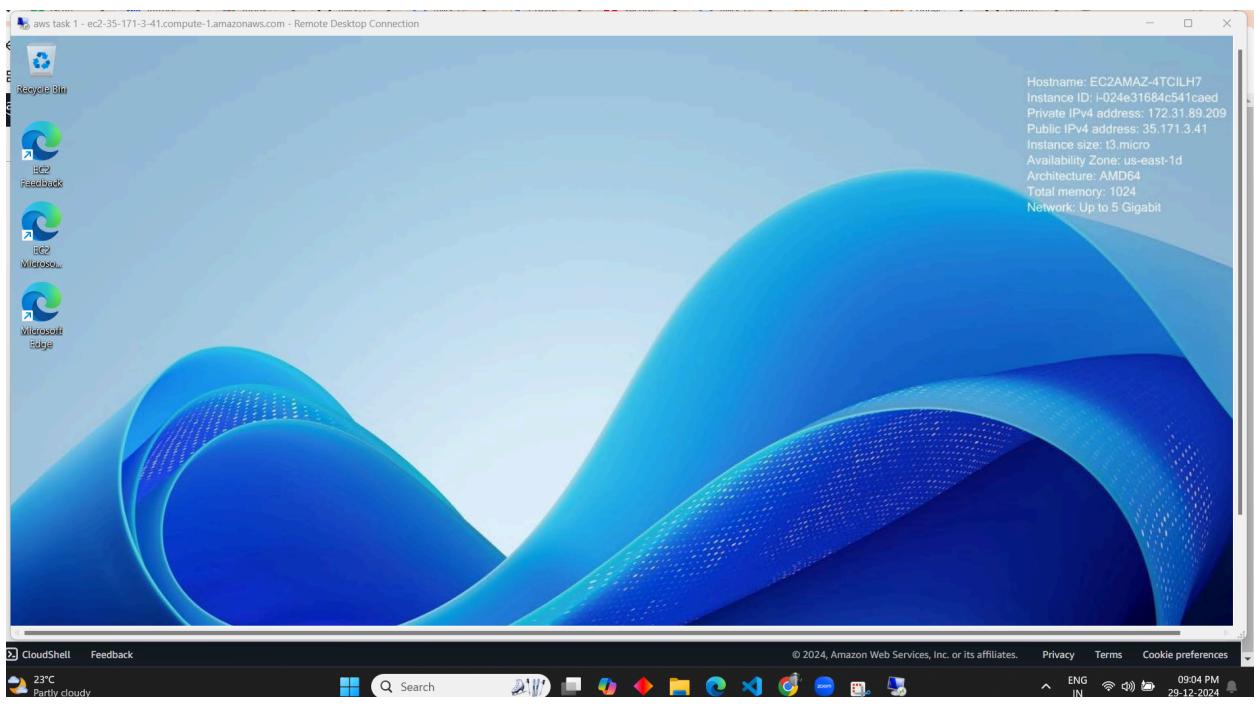
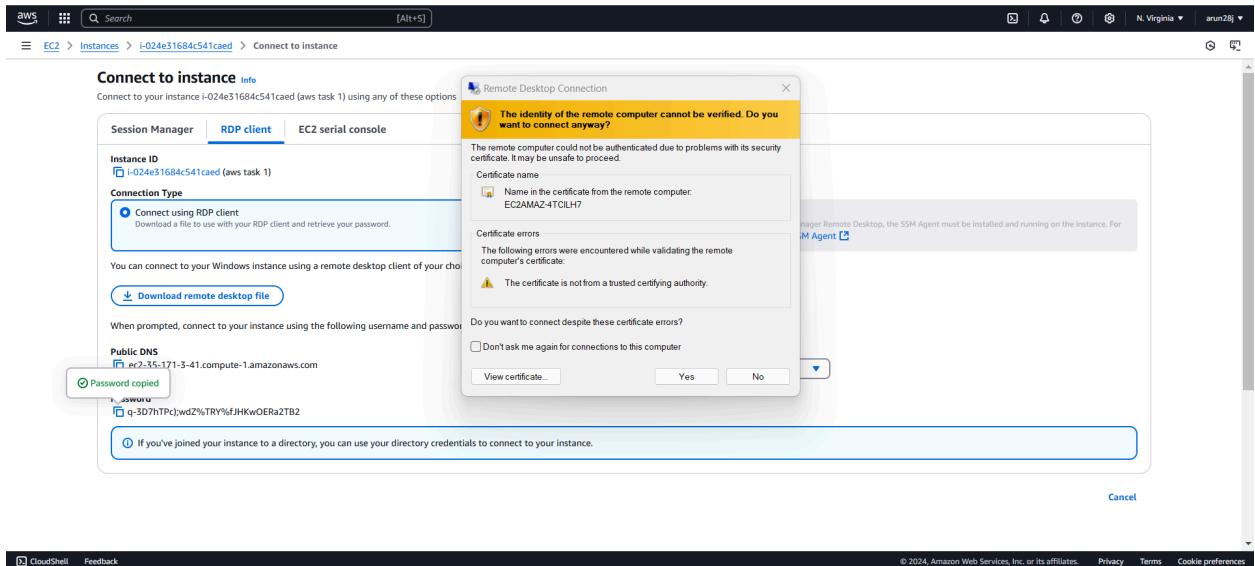
Administrator LAPTOP-PISH7QS2\Administrator

Remember me

More choices

OK Cancel





```
Session 4 aws task 1 - ec2-35-171-3-41.compute-1.amazonaws.com - Remote Desktop Connection

Administrator: Command Pro + v

Microsoft Windows [Version 10.0.26100.2605]
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C:\Users\Administrator>systeminfo

Host Name: EC2AMAZ-4TCILH7
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: 00491-50800-00001-AAH41
Original Install Date: 12/29/2024, 3:14:39 PM
System Boot Time: 12/29/2024, 3:23:51 PM
System Manufacturer: Amazon EC2
System Model: t3.micro
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: 880 MB
Available Physical Memory: 54 MB

Hostname: EC2AMAZ-4TCILH7
Instance ID: i-024e31684c541caed
Private IPv4 address: 172.31.89.209
Public IPv4 address: 35.171.3.41
Instance size: t3.micro
Availability Zone: us-east-1d
Architecture: AMD64
Total memory: 1024
Network: Up to 5 Gigabit

6 items 1 item selected 133 KB
23°C Partly cloudy 09:09 PM 29-12-2024
```

```
Session 4 aws task 1 - ec2-35-171-3-41.compute-1.amazonaws.com - Remote Desktop Connection

Administrator: Command Pro + v

Input Locale: en-us;English (United States)
Time Zone: (UTC) Coordinated Universal Time
Total Physical Memory: 880 MB
Available Physical Memory: 54 MB
Virtual Memory: Max Size: 1,984 MB
Virtual Memory: Available: 399 MB
Virtual Memory: In Use: 1,505 MB
Page File Location(s): C:\pagefile.sys
Domain: WORKGROUP
Logon Server: \\EC2AMAZ-4TCILH7
Hotfix(s): 4 Hotfix(s) Installed.
[01]: KB5045934
[02]: KB5048667
[03]: KB5047621
[04]: KB5049685
Network Card(s): 1 NIC(s) Installed.
[01]: Amazon Elastic Network Adapter
    Connection Name: Ethernet
    DHCP Enabled: Yes
    DHCP Server: 172.31.80.1
    IP address(es)
        [01]: 172.31.89.209
        [02]: fe80::9b58:470a:473b:b99b
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.

C:\Users\Administrator>
```