

Connecting to Your EC2 Instance - MacOS



Agenda

- ❖ Connecting with RDP
- ❖ Connecting with SSH
- ❖ Connecting with Browser

Quick Note

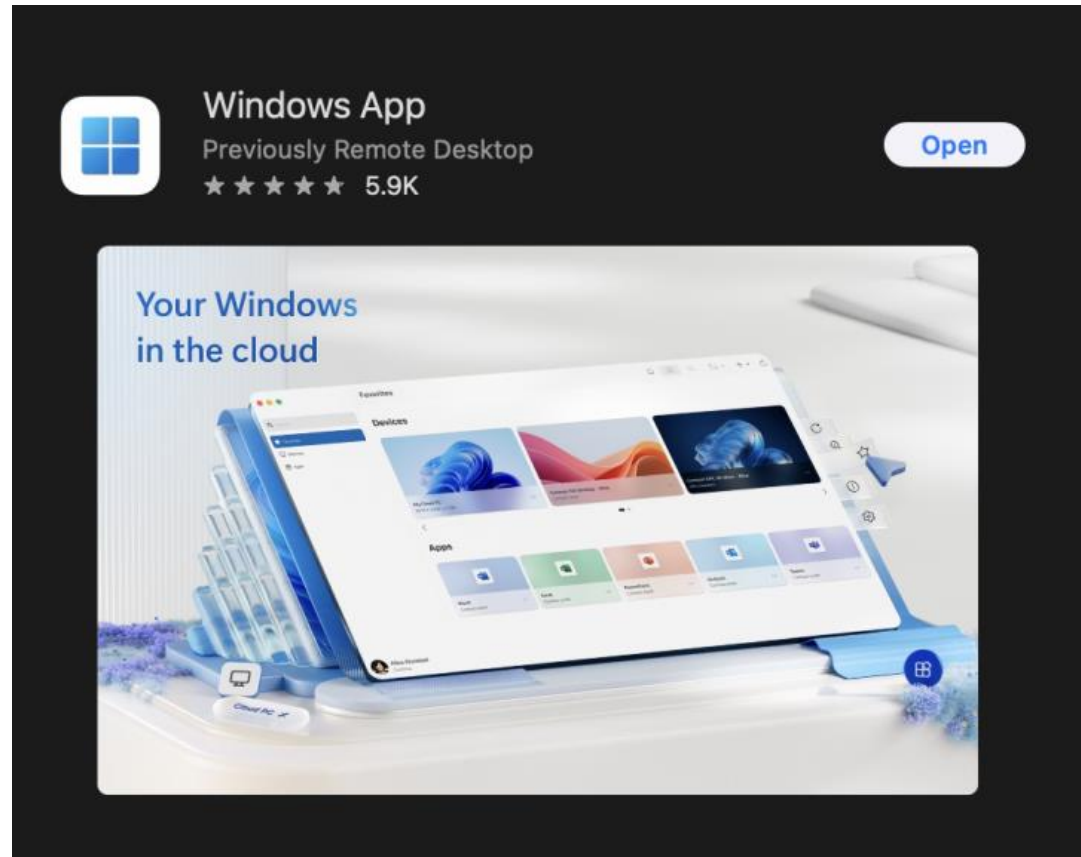
- ❖ While we provide different options for connecting to the instance, we recommend using Remote Desktop Protocol to connect to your remote desktop for the best user experience and ease of use.
- ❖ When working on the remote computer, please do not shut down the remote computer. This can cause issues with the remote desktop. If you wish to stop working on the instance, disconnect from the instance instead. Thank you.

Connecting with RDP



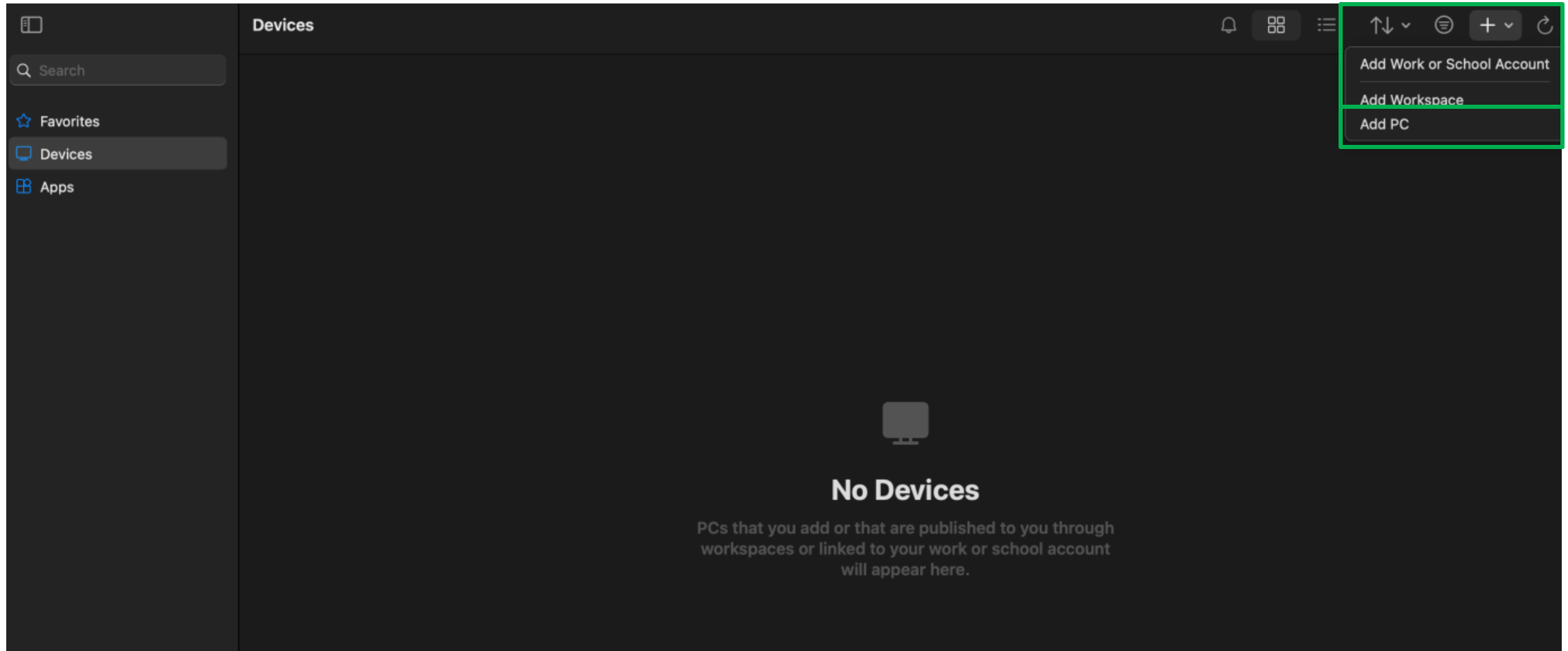
Connecting with RDP

- ❖ Since MacOS does not provide a built-in RDP client, you'll have to download one beforehand. For this guide, we recommend using the Windows App (formerly the Remote Desktop App) that can be downloaded for free on the AppStore



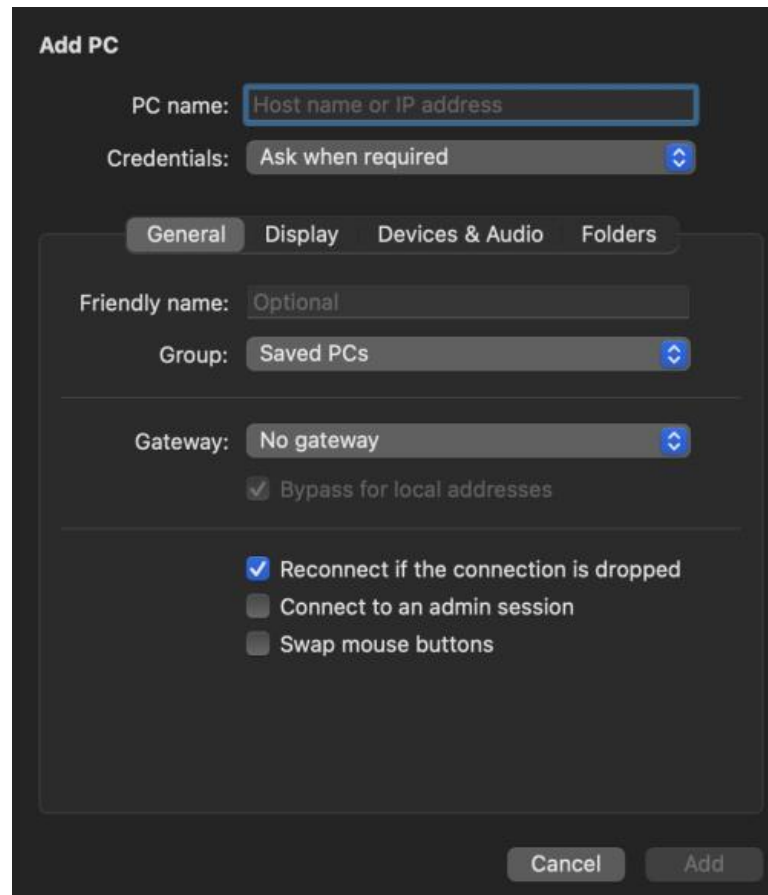
Connecting with RDP

Open the App, and you'll see the screen below. Click on the plus icon on the top right, then select "Add PC"



Connecting with RDP

- ❖ In the PC name box, enter the IP address or host name of your instance. This is also where you can modify settings such as the resolution of the image, in the Display Tab. Once you've typed in the IP and configured your settings, hit the Add button on the bottom

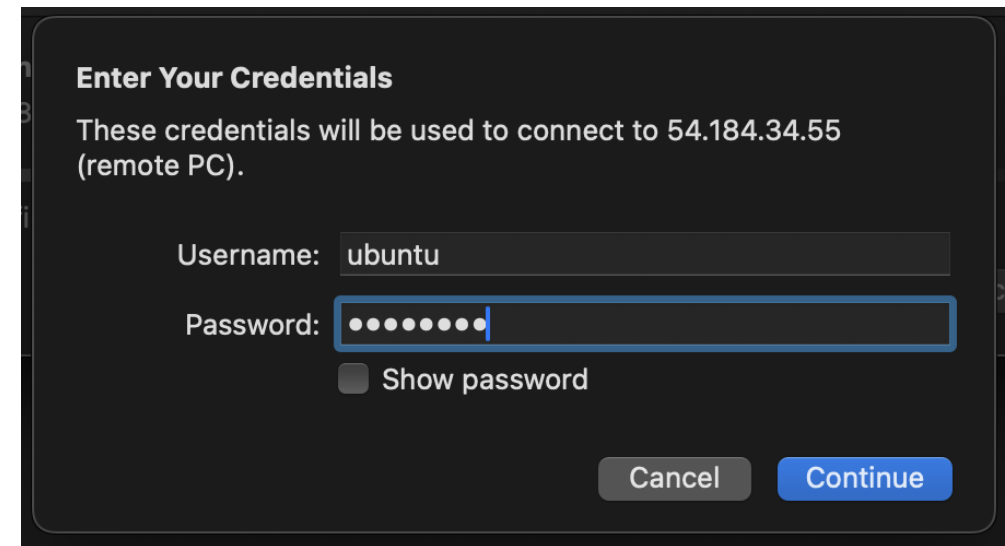
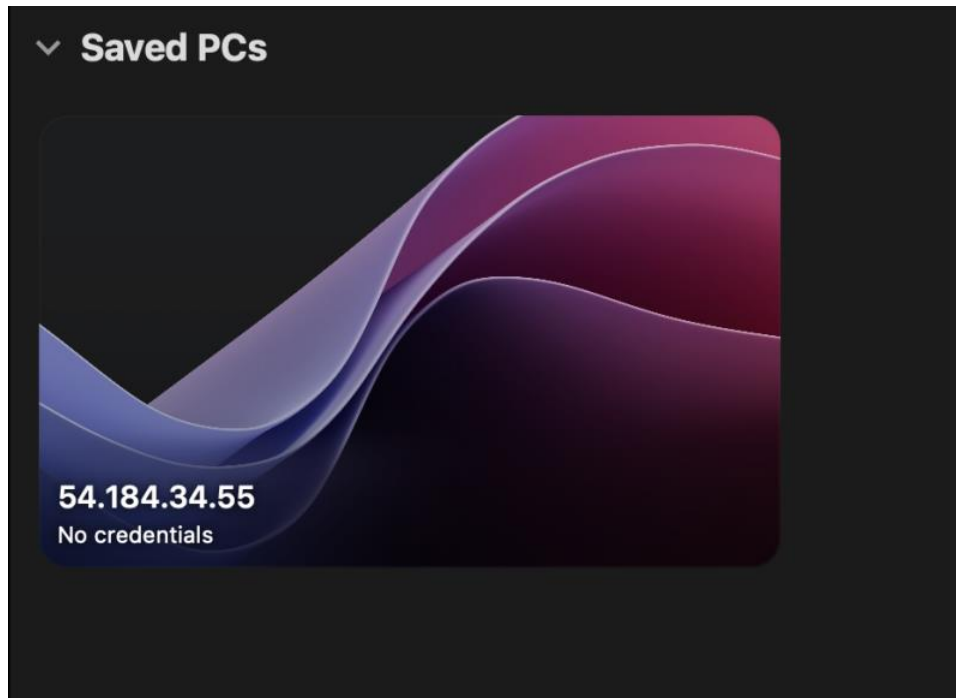


The screenshot shows the 'Add PC' dialog box with the following fields and options:

- PC name:** A text input field containing the placeholder text 'Host name or IP address'.
- Credentials:** A dropdown menu set to 'Ask when required'.
- Tabs:** A row of tabs labeled 'General', 'Display', 'Devices & Audio', and 'Folders'. The 'General' tab is currently selected.
- Friendly name:** A text input field containing the placeholder text 'Optional'.
- Group:** A dropdown menu set to 'Saved PCs'.
- Gateway:** A dropdown menu set to 'No gateway'.
- Checkboxes:**
 - ☒ Bypass for local addresses
 - ☒ Reconnect if the connection is dropped
 - ☐ Connect to an admin session
 - ☐ Swap mouse buttons
- Buttons:** 'Cancel' and 'Add' buttons at the bottom right.

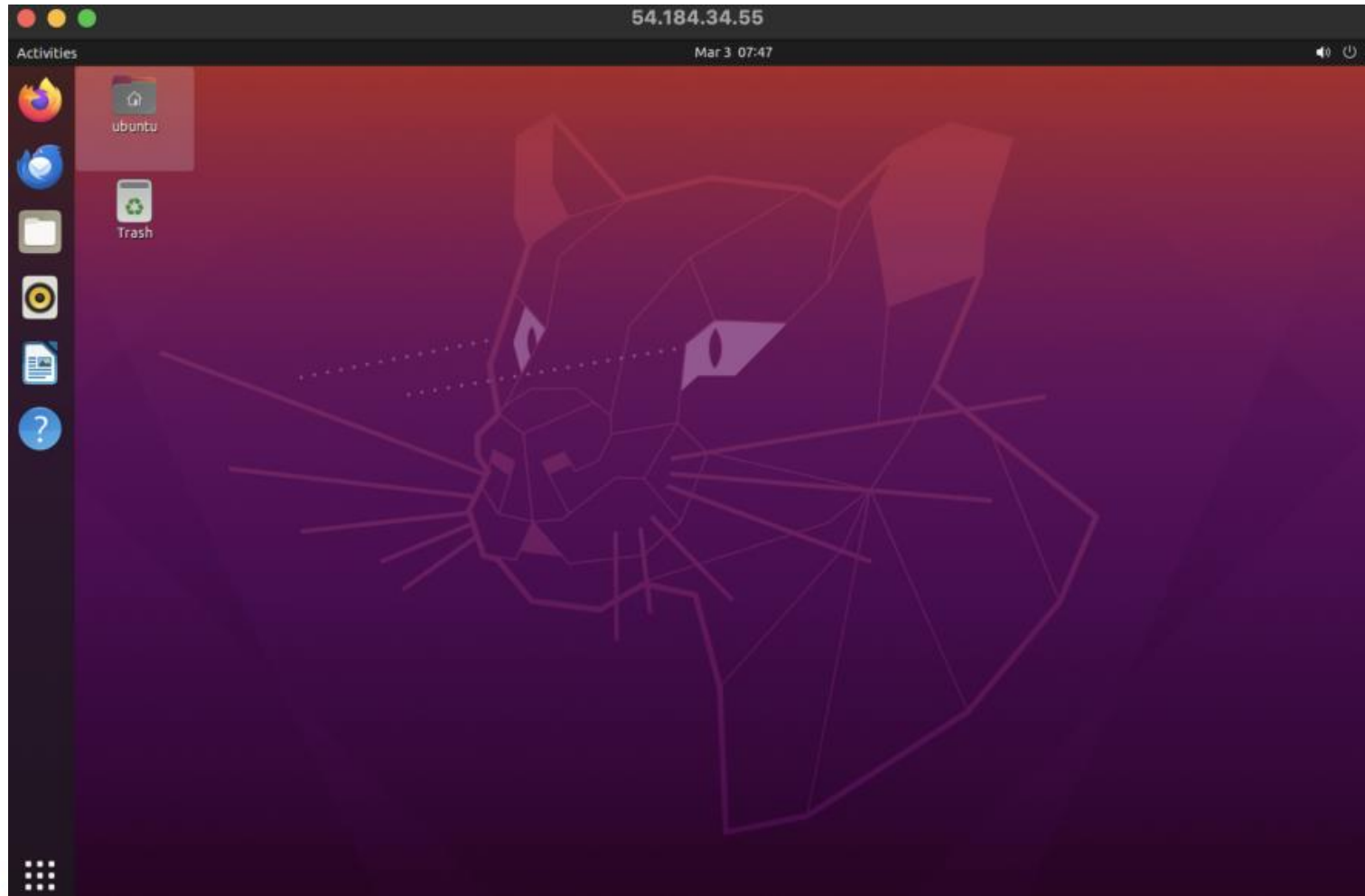
Connecting with RDP

- ❖ You should see a PC show up in the Saved PCs section, as shown in the bottom left image. Double click on the instance, which will prompt you to enter the username and password, as shown in the bottom right image.



Connecting with RDP

Upon selecting Continue, you should be logged into the EC2 instance, as seen below. From here, you can freely operate your remote computer.



Connecting with SSH



Connecting with SSH

First, open an SSH client, then locate your private key file. (the .pem file used to create the instance). For example, let's say the .pem is named Ubuntu.pem. You'll want to ensure that this key is not publicly viewable before SSH into the instance. To do so, run this command: `chmod 400 "Ubuntu.pem"` in the location where the .pem file is stored.

Next, connect to your instance using its hostname. To get the hostname, follow the format below

`ec2-X-X-X-X.us-west-2.compute.amazonaws.com`

Each X represents a number in the public IP address of your instance. For example, if the IP of your instance is 172.16.254.1, the hostname would be

`ec2-172-16-254-1.us-west-2.compute.amazonaws.com`

And finally, to SSH into the instance, run the command below to connect to the instance, substituting the .pem file and hostname with your own.

`ssh -i "Ubuntu.pem" ubuntu@ec2-172-16-254-1.us-west-2.compute.amazonaws.com`

Connecting with SSH

```
→ Downloads chmod 400 "Andes USA.pem"
→ Downloads ssh -i "Andes USA.pem" ubuntu@ec2-35-91-44-168.us-west-2.compute.amazonaws.com
The authenticity of host 'ec2-35-91-44-168.us-west-2.compute.amazonaws.com (35.91.44.168)' can't be established.
ED25519 key fingerprint is SHA256:8jYfaWcpjhPaInNVrNr6rPchNnfJCj8eZHu+TNqUuSo.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-35-91-44-168.us-west-2.compute.amazonaws.com' (ED25519) to the list of known hosts.
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1075-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Mon Mar  3 06:52:34 UTC 2025

System load:  1.37               Processes:           267
Usage of /:   34.5% of 61.84GB   Users logged in:    0
Memory usage: 23%               IPv4 address for ens5: 172.31.11.167
Swap usage:   0%

 * Ubuntu Pro delivers the most comprehensive open source security and
   compliance features.

   https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

5 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

1 additional security update can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

New release '22.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

*** System restart required ***
Last login: Mon Mar  3 05:11:19 2025 from 211.75.183.171
ubuntu@ip-172-31-11-167:~$
```

Connecting to an Ubuntu EC2 instance on MacOS

Connecting within Browser



Connecting with Browser

- ❖ You can also connect to the EC2 instance via your browser by typing the URL below in your browser:
<http://YourInstanceIP:6080/vnc.html>
- ❖ For example, if the IP of your instance is 172.16.254.1, you would enter this URL into the browser:
[http:// 172.16.254.1 :6080/vnc.html](http://172.16.254.1:6080/vnc.html)
- ❖ The URL should take you to a screen that looks like the one below.



Connecting with Browser

Click on the central button, and it'll prompt you to enter your password. Once you've entered the password, you should be able to connect to your instance.

Troubleshooting

❖ If you encounter troubles with connecting to your instance, please email the Andes support team at:

➤ Tom752@andestech.com

➤ Hubert@andestech.com

