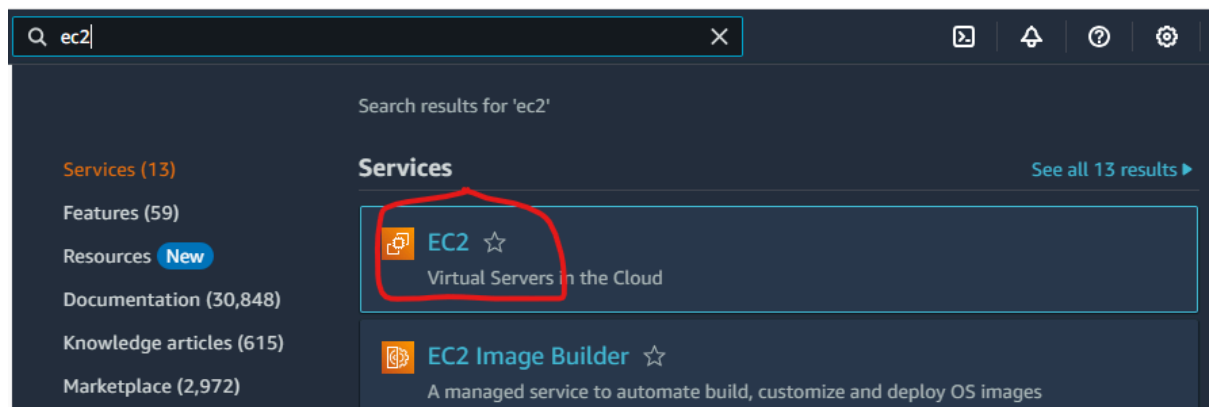


Creating and Running EC2 Instances Using PuTTY

1. Creating an EC2 Instance

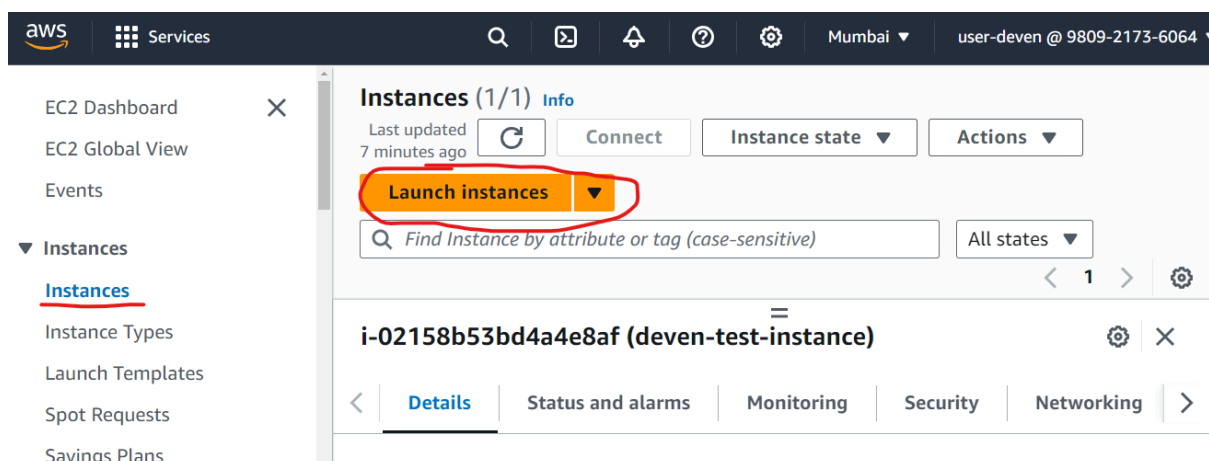
1.1 Sign In to AWS Management Console

1. Open the [AWS Management Console](#) and search for EC2



1.2 Launch an Instance

1. In the AWS Management Console, navigate to Instances and Click on Launch Instance to start the instance creation wizard



2. Enter the instance name

EC2 > Instances > Launch an instance

Launch an instance [Info](#)

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 [Info](#)

Name

 [Add additional tags](#)

▼ Summary

Number of instances [Info](#)

Software Image (AMI)

Amazon Linux 2023 AMI 2023.5.2...[read more](#)
ami-0e53db6fd757e38c7

Virtual server type (instance type)

t2.micro

Firewall (security group)

1.3 Choose an Amazon Machine Image (AMI)

1. Select an AMI that matches your requirements. For example, choose ubuntu

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

[Browse more AMIs](#)
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
ami-0522ab6e1ddcc7055 (64-bit (x86)) / ami-0000791bad666add5 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Ubuntu Server 24.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Architecture

AMI ID

Verified provider

64-bit (x86)

ami-0522ab6e1ddcc7055

Verified provider

▼ Summary

Number of instances [Info](#)

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...[read more](#)
ami-0522ab6e1ddcc7055

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

[Free tier](#): In your first year

1.4 Create key pair for instance

1. Click on create new key pair

▼ 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*

[Create new key pair](#)

2. Enter key name and select ppk for putty

Create key pair

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

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](#)

Cancel

Create key pair

1.5 Review and Launch

1. Review your settings and Click Launch.

▼ Configure storage Info

Advanced

1x 8 GiB gp3 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

Click refresh to view backup information
The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems Edit

► Advanced details Info

Number of instances Info

1

Software Image (AMI)
Canonical, Ubuntu, 24.04, amd64...[read more](#)
ami-0522ab6e1ddcc7055

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year

Cancel

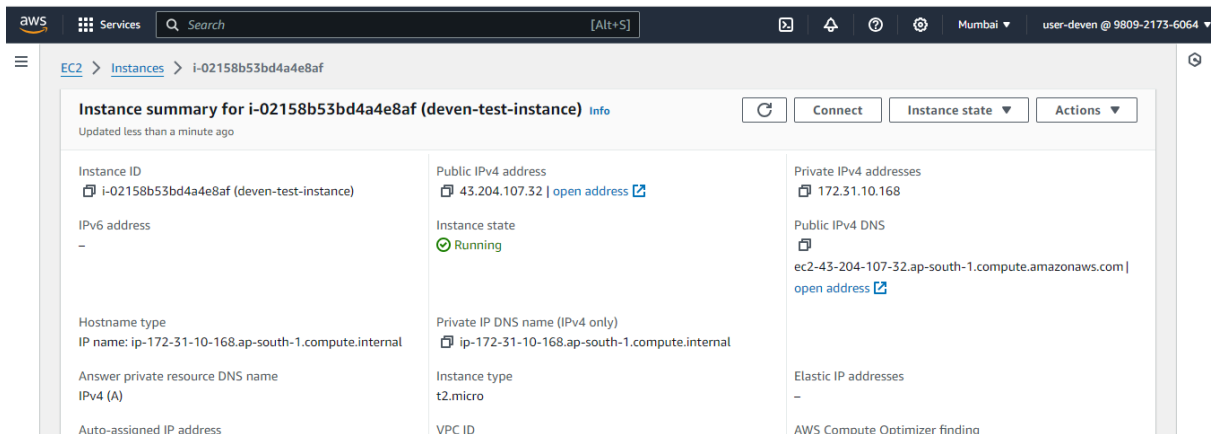
Launch instance

Review commands

EC2 > Instances > Launch an instance

✓ Success
Successfully initiated launch of instance (i-02158b53bd4a4e8af)

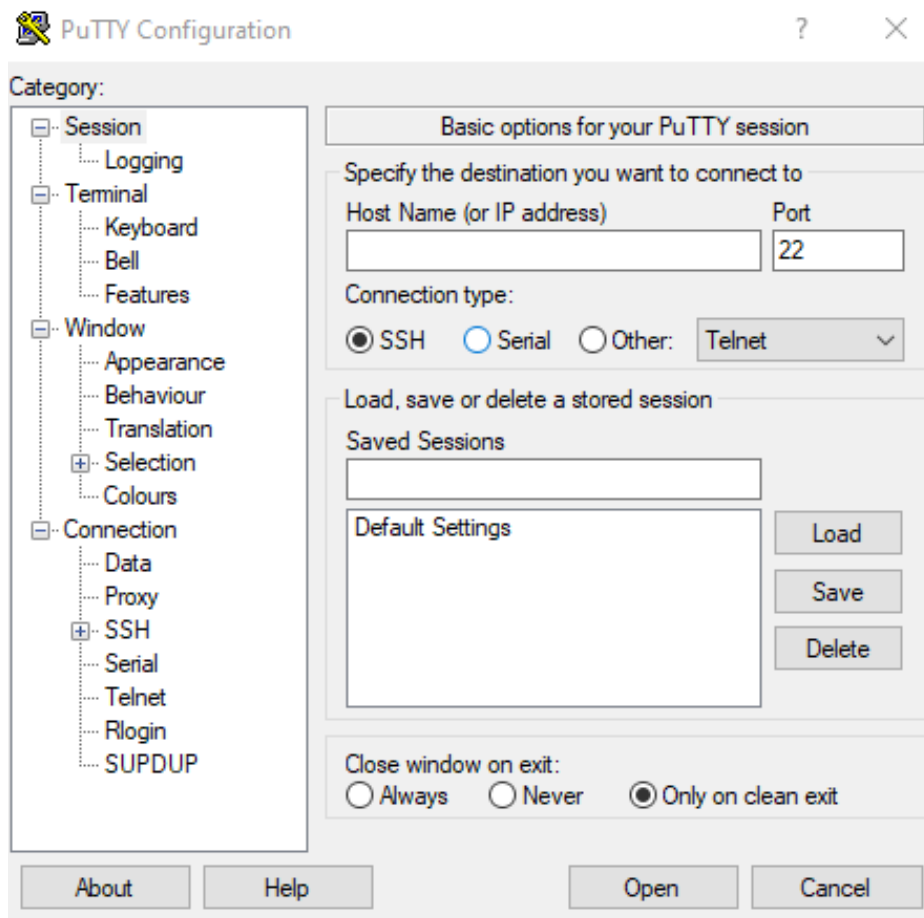
► Launch log



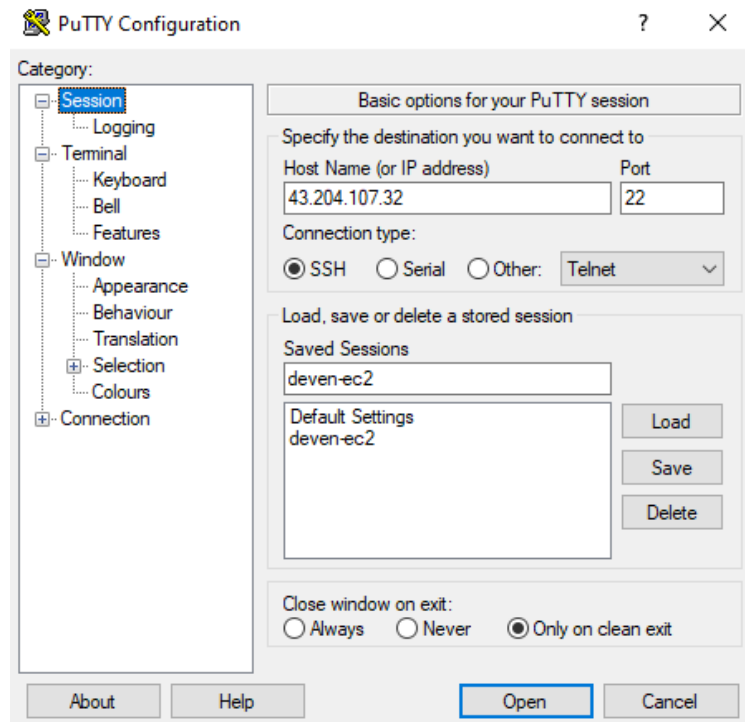
2. Connecting to the EC2 Instance Using PuTTY

2.1 Open PuTTY and Configure Connection

1. Open PuTTY.

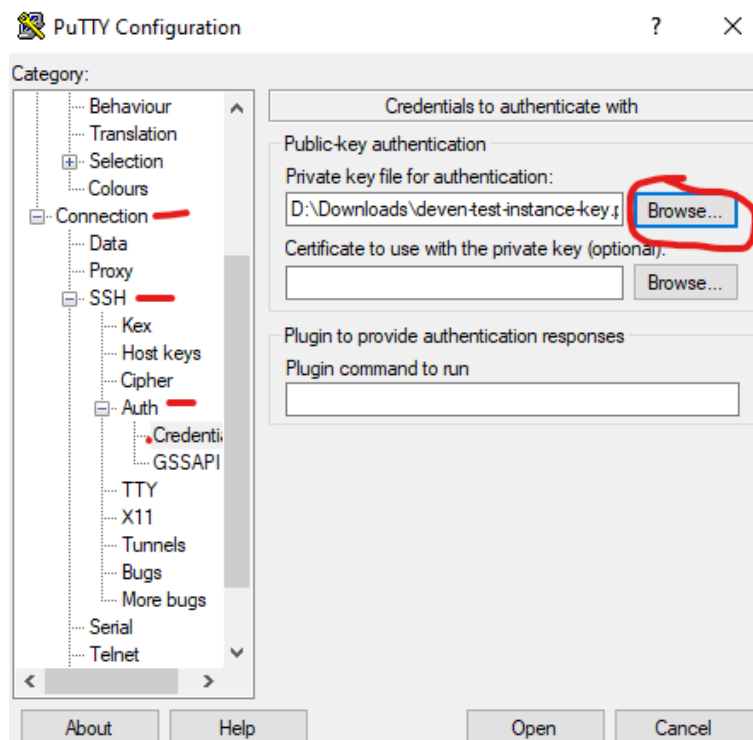


2. In the Host Name field, enter the public DNS of your EC2 instance (available in the EC2 dashboard).



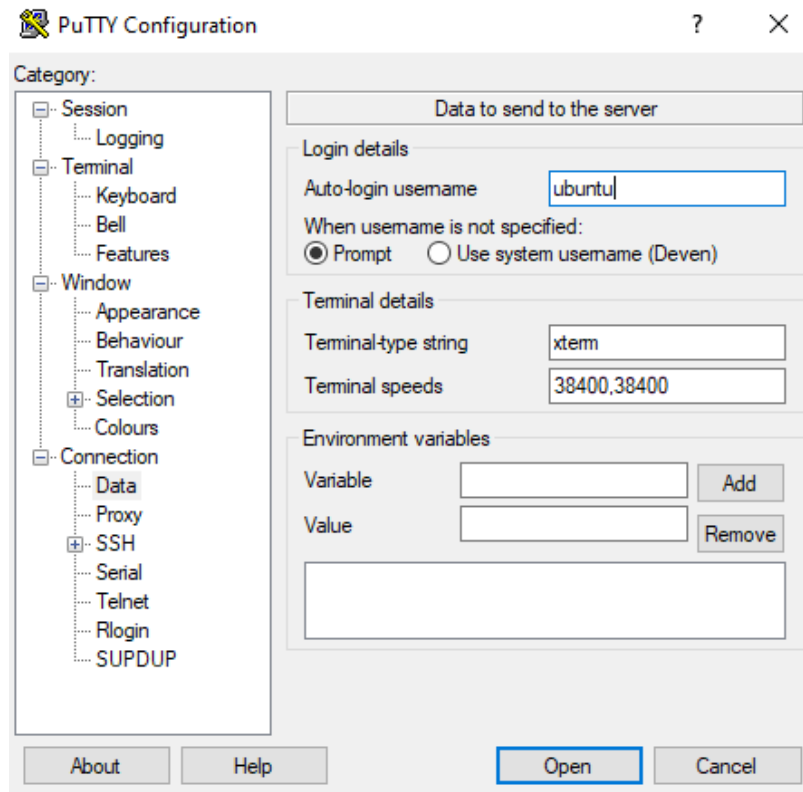
2.2 Load the PPK Key

1. In PuTTY, go to Connection > SSH > Auth and Click Browse and select the **.ppk** file you saved



2.3 Connect to the EC2 Instance

1. Go to Connection >data and enter username ("ubuntu") then Click Open to start the SSH session.



```
ubuntu@ip-172-31-10-168: ~  
System information as of Thu Sep 12 09:28:24 UTC 2024  
  
System load: 0.0          Processes:              105  
Usage of /:  22.7% of 6.71GB Users logged in:         0  
Memory usage: 20%        IPv4 address for enX0: 172.31.10.168  
Swap usage:  0%  
  
Expanded Security Maintenance for Applications is not enabled.  
  
0 updates can be applied immediately.  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
The list of available updates is more than a week old.  
To check for new updates run: sudo apt update  
  
Last login: Thu Sep 12 09:28:24 2024 from 115.244.184.254  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
ubuntu@ip-172-31-10-168:~$
```