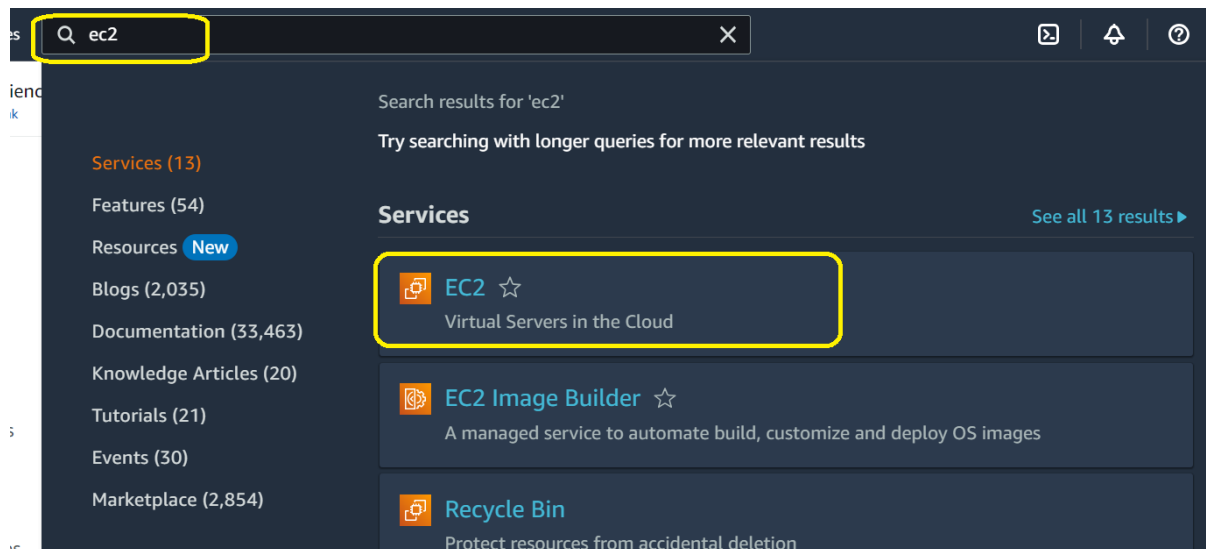
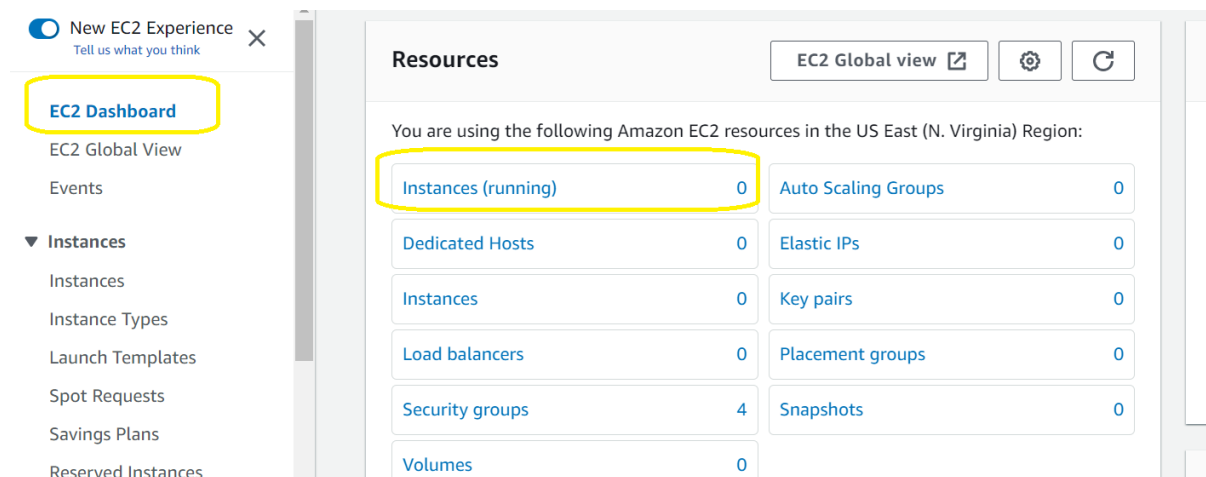


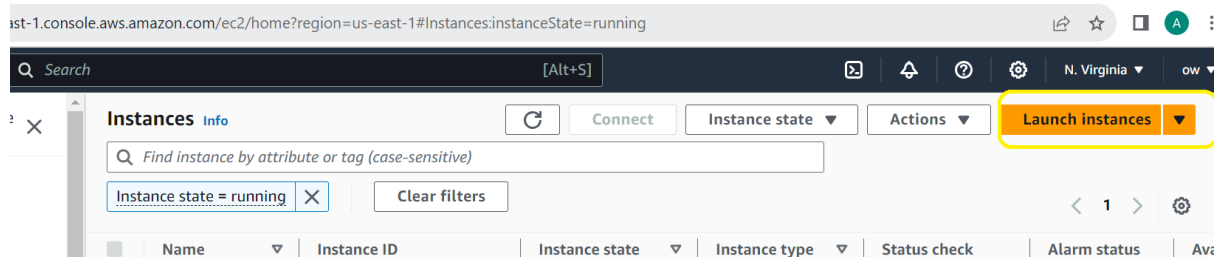
1. Login to aws console
2. Search for ec2 and go to ec2 dashboard



3. Ec2 dashboard → click on instances



4. Click on Launch instances



5. Provide a name and select ubuntu,

Note: Instance name : provide your name, else instance will be deleted

The screenshot shows the AWS console interface. At the top, there is a text input field containing the name 'jenkinsserver', which is highlighted with a yellow box. To its right is a link that says 'Add additional tags'. Below this is a section titled 'Application and OS Images (Amazon Machine Image)' with an 'Info' link. A descriptive paragraph explains that an AMI is a template containing software configuration. Below the text is a search bar with the placeholder text 'Search our full catalog including 1000s of application and OS images'. Underneath is a 'Quick Start' section featuring a horizontal carousel of operating system logos: Amazon Linux, macOS, Ubuntu (highlighted with a yellow box), Windows, and Red Hat. To the right of the carousel is a search icon and a link 'Browse more AMIs' with a sub-note 'Including AMIs from AWS, Marketplace and the Community'.

Select t2.medium instance type

The screenshot shows the 'Instance type' section in the AWS console. The section title is 'Instance type' with an 'Info' link. Below the title is a dropdown menu that is open, showing the selected option 't2.medium'. The dropdown menu is highlighted with a yellow box. The text inside the dropdown menu reads: 't2.medium', 'Family: t2 2 vCPU 4 GiB Memory Current generation: true', 'On-Demand Linux base pricing: 0.0464 USD per Hour', 'On-Demand RHEL base pricing: 0.1064 USD per Hour', 'On-Demand Windows base pricing: 0.0644 USD per Hour', and 'On-Demand SUSE base pricing: 0.1464 USD per Hour'. To the right of the dropdown menu, there is a radio button labeled 'All generations' and a link 'Compare instance types'. Below the dropdown menu, there is a note: 'Additional costs apply for AMIs with pre-installed software'.

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](#)

Provide name → RSA → .ppk (and click on create key pair) and it will **download one ppk file**

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

The name can include upto 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 more](#)

In network setting make sure auto-assign public ip is enabled

▼ Network settings [Info](#)

VPC - *required* [Info](#)

vpc-05e85ba543a91205b
172.31.0.0/16

(default) ▼



Subnet [Info](#)

No preference ▼



[Create new subnet](#)

Auto-assign public IP [Info](#)

Enable ▼

Firewall (security groups) [Info](#)

In network setting → Create new security group

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

Security group name - *required*

launch-wizard-4

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@!+=&:{}!\$*

Description - *required* [Info](#)

launch-wizard-4 created 2023-09-27T01:55:58.335Z

Inbound Security Group Rules

Add security rule for ssh and jenkins

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0)

Remove

Type [Info](#)

ssh ▼

Protocol [Info](#)

TCP

Port range [Info](#)

22

Source type [Info](#)

Anywhere ▼

Source [Info](#)

0.0.0.0/0 ✕

Description - *optional* [Info](#)

e.g. SSH for admin desktop

Add security group rule

Type Info	Protocol Info	Port range Info
ssh	TCP	22
Source type Info	Source Info	Description - optional Info
Anywhere	<input type="text" value="0.0.0.0"/> <input type="button" value="X"/>	e.g. SSH for admin desktop

▼ Security group rule 2 (TCP, 8080)

Type Info	Protocol Info	Port range Info
Custom TCP	TCP	8080
Source type Info	Source Info	Description - optional Info
Custom	<input type="text" value="0.0.0.0"/> <input type="button" value="X"/>	e.g. SSH for admin desktop

In custom tcp provide source

0.0.0.0/0

▼ Security group rule 2 (TCP, 8080, 0.0.0.0/0)

Type Info	Protocol Info	Port range Info
Custom TCP	TCP	8080
Source type Info	Source Info	Description - optional Info
Custom	<input type="text" value="0.0.0.0"/> <input type="button" value="X"/>	e.g. SSH for admin desktop

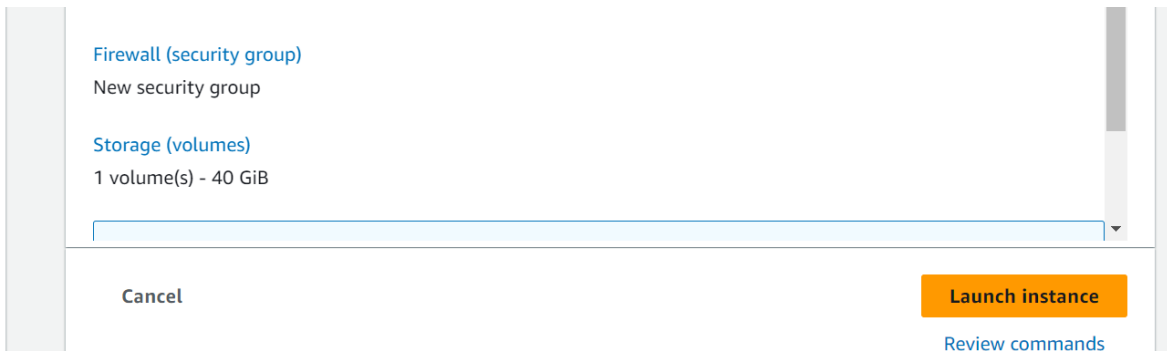
EBS Volumes [Hide details](#)

▼ Volume 1 (AMI Root) (Custom)

Storage type Info	Device name - required Info	Snapshot Info
EBS	/dev/sda1	snap-0d3283808e9f92122
Size (GiB) Info	Volume type Info	IOPS Info
40	gp2	120 / 3000
Delete on termination Info	Encrypted Info	KMS key Info
Yes	Not encrypted	Select

KMS keys are only applicable when encryption is set on this volume.

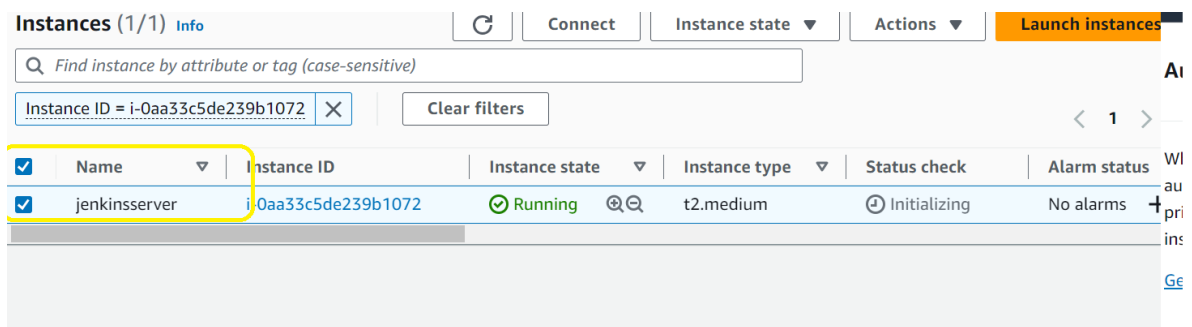
Click on launch instance



Click on instance id



Select the instance id



Note down the public ip from details

▼ Instance summary Info

Instance ID i-0aa33c5de239b1072 (jenkinsserver)	Public IPv4 address 54.237.100.185 open address	Private IPv4 addresses 172.31.56.233
IPv6 address	Instance state	Public IPv4 DNS

Download putty from putty.org

Download PuTTY

PuTTY is an SSH and telnet client, developed originally by Simon Tatham Windows platform. PuTTY is open source software that is available with source is developed and supported by a group of volunteers.

[Download PuTTY](#)

Go to Alternative Binaries and download

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

We also publish the latest PuTTY installers for all Windows architectures as a free-of-charge download we release them.

MSI ('Windows Installer')

64-bit x86: [putty-64bit-0.79-installer.msi](#) ([signature](#))
 64-bit Arm: [putty-arm64-0.79-installer.msi](#) ([signature](#))
 32-bit x86: [putty-0.79-installer.msi](#) ([signature](#))

Unix source archive

.tar.gz: [putty-0.79.tar.gz](#) ([signature](#))

Alternative binary files

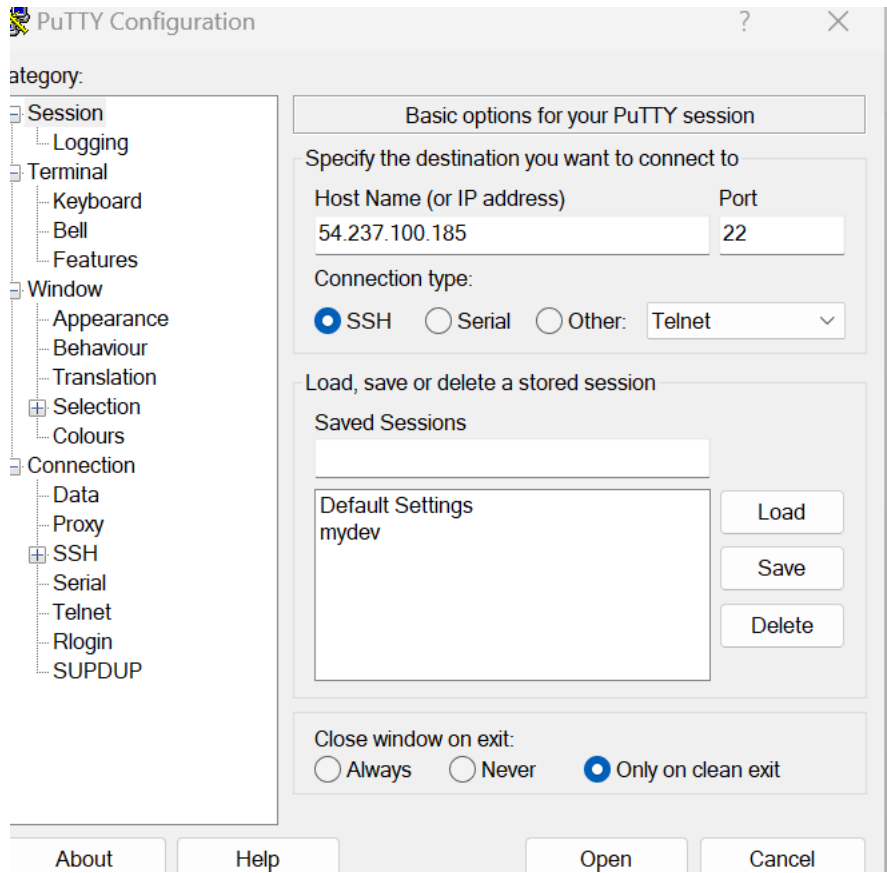
The installer packages above will provide versions of all of these (except PuTTYtel and pterm), (Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

putty.exe (the SSH and Telnet client itself)

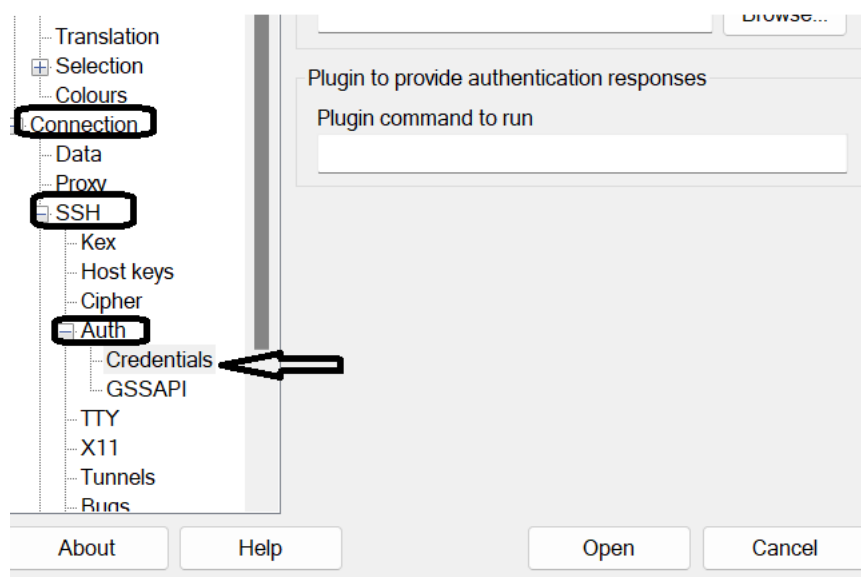
64-bit x86: [putty.exe](#) ([signature](#))
 64-bit Arm: [putty.exe](#) ([signature](#))

Putty.exe

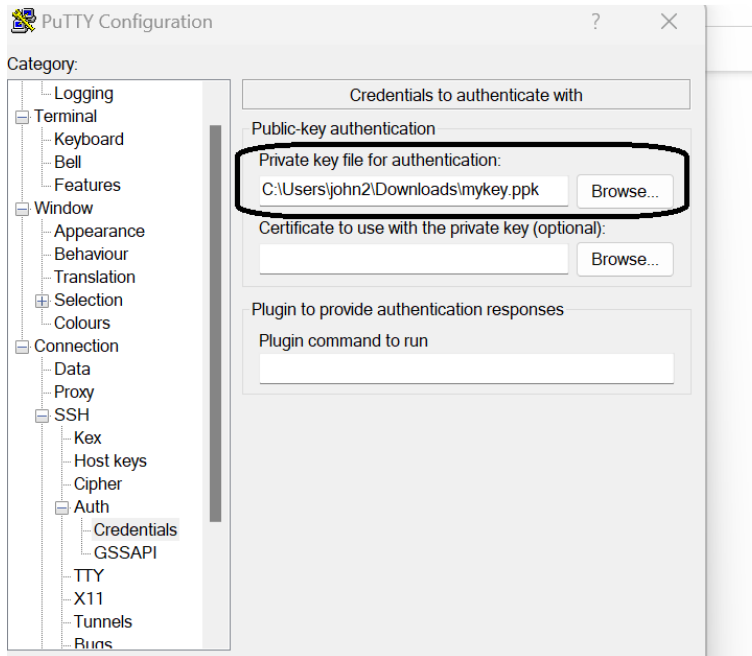
Open putty and provide public ip



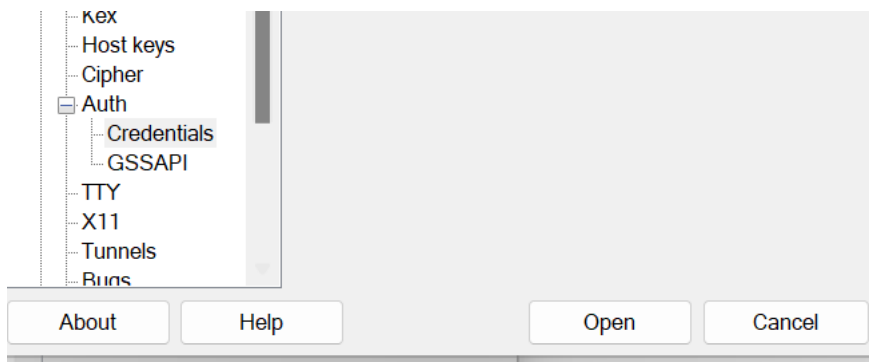
In putty → connection → ssh → auth → credentials



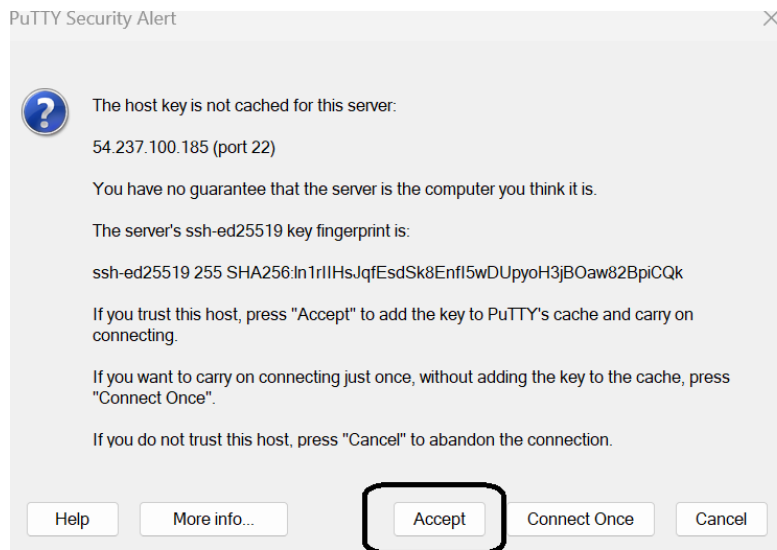
Map the ppk file



And click on open



Click on accept



Provide the username : ubuntu

```
login as: ubuntu
Authenticating with public key "mykey"
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.19.0-1025-aws x86_64)

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

System information as of Wed Sep 27 03:02:42 UTC 2023
System load: 0.080078125          Processes: 106
```

Login as root

sudo su root

```
To run a command as administrator (user "root"), use "
See "man sudo_root" for details.

ubuntu@ip-172-31-56-233:~$ sudo su root
root@ip-172-31-56-233:/home/ubuntu#
```