1. Login to aws console

2. Search for ec2 and go to ec2 dashboard

s [Q ec2	×	D 4 0
ienc k	Services (13)	Search results for 'ec2' Try searching with longer queries for more relevant results	
	Features (54)	Services	See all 13 results ►
	Resources New		
	Blogs (2,035)	🙋 EC2 ☆	
	Documentation (33,463)	Virtual Servers in the Cloud	
	Knowledge Articles (20)		
	Tutorials (21)	🚯 EC2 Image Builder 🏠	
,	Events (30)	A managed service to automate build, customize and deploy OS imag	ges
15	Marketplace (2,854)	Recycle Bin Protect resources from accidental deletion	

3. Ec2 dashboard \rightarrow click on instances

New EC2 Experience X Tell us what you think	Resources		EC2 Global view 🔀) C
EC2 Dashboard EC2 Global View	You are using the following Am	iazon EC2 resoure	ces in the US East (N. Virginia) l	Region:
Events	Instances (running)	0	Auto Scaling Groups	0
/ Instances	Dedicated Hosts	0	Elastic IPs	0
Instances Instance Types	Instances	0	Key pairs	0
Launch Templates	Load balancers	0	Placement groups	0
Spot Requests	Security groups	4	Snapshots	0
Savings Plans Reserved Instances	Volumes	0		

4. Click on Launch instances

ast-1.co	nsole	.aws.amazon.com/ec2/home?region=us-east-1#Instances:ir	nstanceState=running		🖻 🖈 🔲 🔺 :
Q Se	arch		[Alt+S]	D 4 0	🌀 N. Virginia ▼ ow ▼
, ×	•	Instances Info Q. Find instance by attribute or tag (case-sensitive)	Connect Instance state	Actions V	Launch instances
	L	Instance state = running X Clear filters]		< 1 > ©
		Name V Instance ID	Instance state ∇ Instance type	▼ Status check	Alarm status Ava

5. Provide a name and select ubuntu,

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

jenkinsserver					Add additional tags
	1.05	. ,.			
 Application 	on and OS	lmages (Am	azon Machi	ne Image) Info	
An AMI is a temp applications) rec	plate that cont quired to laund	ains the softwa h your instance	re configuration . Search or Brov	n (operating system, vse for AMIs if you d	application server, and on't see what you are
looking for belo	W				
Q Search our	full catalog ind	cluding 1000s of	application and	d OS images	
Quick Start					
Amazon macOS Ubuntu Windows Red Hat !					
Linux				>	Browse more AMIs
aws	Mac	ubuntu®	Microsoft	le Red Hat	Including AMIs from AWS, Marketplace and the Community

)^

Select t2.medium instance type

 All generations Compare instance type

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	(
Select	▼	C	Create new key pair

Provide name \rightarrow RSA \rightarrow .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 secur mykey	ely.	
The name can include upto 255 ASCII characters. It c	an't include leading or trailing spaces.	
Key pair type		inces In
RSA RSA encrypted private and public key pair	C ED25519 ED25519 encrypted private and public key pair	(AMI)
Deleta les fils faces et		
O .pem For use with OpenSSH		
• .ppk For use with PuTTY		y group
When prompted, store the private key your computer. You will need it later more [2]	in a secure and accessible location on to connect to your instance. <u>Learn</u>	es) GiB

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) 🔻	C
Subnet Info		
No preference	▼	C Create new subnet 🗹
Auto-assign public IP Info		
Enable	•	
Firewall (security groups) info		

In network setting \rightarrow Create new security group

A security group is a set of firewall rules that cor	trol 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 characters. Valid characters: a-z, A-Z, 0-9, spaces	nterfaces. The name can't be edited after the security group is created. Max length is 25: , and:/()#,@[]+=&;{}!\$*
Description - required Info	
Jaunch-wizard-4 created 2023-09-27T0	1:55:58.335Z

Add security rule for ssh and jenkins

Security group rule 1 (TCP,	22, 0.0.0/0)	Remove
ype Info	Protocol Info	Port range Info
ssh	TCP	22
Source type Info	Source Info	Description - optional Info
Anywhere	▼ Q Add CIDR, prefix list or security <u>c</u>	e.g. SSH for admin desktop
	0.0.0.0/0 ×	

ype Info	Protocol Info	Port range Info
ssh	ТСР	22
ource type Info	Source Info	Description - optional Info
Anywhere	 Add CIDR, prefix list or security 	e.g. SSH for admin desktop
	0.0.0.0/0 ×	Bennye
Security group rule 2 (TCF	0.0.0.0/0 ×	Remove Port range Info
Security group rule 2 (TCF Type Info Custom TCP	0.0.0.0/0 × Protocol Info TCP	Port range Info 8080
Security group rule 2 (TCF Fype Info Custom TCP Source type Info	0.0.0.0/0 × Protocol Info ▼ TCP Source Info	Port range Info 8080 Description - optional Info

In custom tcp provice source

		0.0.0.0/0 X	
Security group rule 2 (TCF)	9, 8080, 0.0.	0.0/0)	Remove
Type Info		Protocol Info	Port range Info
Custom TCP	▼	ТСР	8080
Source type Info	ſ	Source Info	Description - optional Info
Custom	•	Q Add CIDR, prefix list or security ς	e.g. SSH for admin desktop
	l	0.0.0.0/0 🗙	J

EBS Volumes		
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

Firewall (security group)	
New security group	
Storage (volumes)	
1 volume(s) - 40 GiB	
Cancel	Launch instar

Click on instance id

EC2 > Instances > Launch an instance	
Success Successfully initiated launch of instance (<u>i-0aa33c5de239b1072</u>)	
▶ Launch log	
Next Steps	

Select the instance id

Insta	ances (1/1) 1	nfo		C Co	nnect	Instance state	•	Actions v	Launch instances	
QK	Find instance by	attribute	or tag (case-sensitive)]			Aı
Insta	ance ID = i-0aa33	3c5de23	9b1072 X	Clear filters					< 1 >	
	Name	▼	Instance ID	Instance s	state 🔻	Instance type	▼	Status check	Alarm status	WI
	jenkinsserver		i 0aa33c5de239b1072	🕑 Runnin	ıg ⊕Q	t2.medium		 Initializing 	No alarms 🕇	au pri
									i	ins
									1	<u>Ge</u>

Note down the public ip from details

Instance: i-0aa33c5de239b1072 (jenkinsserver)



Download putty from putty.org

Retty Cardgeston		Download PuTTY
Sename Lorgero Sename Senam	The manufactory on AT T ma	PuTTY is an SSH and telnet client, developed originally by Simon Tatham Windows platform. PuTTY is open source software that is available with source or is developed and supported by a group of volunteers.
los		

Go to Alternative Binaries and download

INOUSTICE WHETHER	von wann n	ie 17-00 00	me 04-00	version/	веан ше	LAL	, enny	_ _
1 tot buie whether	you want u	10 52-011 01	the of on	version.	recard the	1110	<u>contra</u> y	•

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

MSI ('Windows Installer')							
64-bit x86:	<u>putty-64bit-0.79-installer.msi</u>	<u>(signature)</u>					
64-bit Arm:	<u>putty-arm64-0.79-installer.msi</u>	<u>(signature)</u>					
32-bit x86:	<u>putty-0.79-installer.msi</u>	(<u>signature)</u>					
Unix source are	Unix source archive						
.tar.gz: 🥒	<u>putty-0.79.tar.gz</u>	<u>(signature)</u>					

Alternative	binary files	
The installer pa (Not sure whet	ackages above will pr her you want the 32-t	wide versions of all of these (except PuTTYtel and pterm), it or the 64-bit version? Read the <u>FAQ entry</u> .)
putty.exe (the	SSH and Telnet clie	nt itself)
64-bit x86:	<u>putty.exe</u>	(<u>signature)</u>
64-bit Arm:	putty.exe	(signature)

Putty.exe

Open putty and provide public ip

PuTTY Configuration		? ×				
ategory:						
Session	Basic options for your PuTTY session					
- Logging ⊐ Terminal	Specify the destination you wan	t to connect to				
Keyboard	Host Name (or IP address)	Port				
Bell	54.237.100.185	22				
Window	Connection type:					
- Appearance - Behaviour	OSSH ○Serial ○Oth	er: Telnet ~				
 ⇒ Selection → Colours ⇒ Connection → Data → Proxy 	Saved Sessions Default Settings mydev	Load				
- Serial		Save				
– Telnet – Rlogin – SUPDUP		Delete				
	Close window on exit: Always Never	Only on clean exit				
About Help	Op	oen Cancel				

In putty \rightarrow connection \rightarrow ssh \rightarrow auth \rightarrow credentials



Map the ppk file



And click on open

- Kex - Host keys - Cipher - Auth - Credentials - GSSAPI - TTY - TTY - X11 - Tunnels - Runs			
About	Help	Open	Cancel

Click on accept

PuTTY Se	ecurity Alert	×
?	The host key is not cached for this server: 54.237.100.185 (port 22)	
	You have no guarantee that the server is the computer you think it is.	
	The server's ssh-ed25519 key fingerprint is:	
	ssh-ed25519 255 SHA256:In1rIIHsJqfEsdSk8Enfl5wDUpyoH3jBOaw82BpiCQk	
	If you trust this host, press "Accept" to add the key to PuTTY's cache and carry on connecting.	
	If you want to carry on connecting just once, without adding the key to the cache, press "Connect Once".	
	If you do not trust this host, press "Cancel" to abandon the connection.	
Hel	p More info Accept Connect Once Cancel	

Provide the username : ubuntu



Login as root

sudo su root

