

Aws console

Step 1 :To create vpc

In your vpc

Selecte create vpc

[]Select vpc only

[] in ipv4 CIDR ex:192.179.0.0/16

[]create vpc

Create only the VPC resource or the VPC and other networking resources.

☒ VPC only

☐ VPC and more

Name tag - *optional*

Creates a tag with a key of 'Name' and a value that you specify.

my-vpc-01

IPv4 CIDR block [Info](#)

☒ IPv4 CIDR manual input

☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR

10.0.0.0/24

IPv6 CIDR block [Info](#)

☒ No IPv6 CIDR block

☐ IPAM-allocated IPv6 CIDR block

☐ Amazon-provided IPv6 CIDR block

☐ IPv6 CIDR owned by me

Tenancy [Info](#)

[]right click on created vpc

[]select edit vpc

VPC details

VPC ID

 vpc-0bcd515f12e641606

Name

 kanchu_vpc

DHCP settings

DHCP option set [Info](#)

dopt-0356366f72825acfc ▼

DNS settings

☒ Enable DNS resolution [Info](#)

☒ Enable DNS hostnames [Info](#)

☐ Enable DNS hostnames

☐ save

Step 2: to create subnet:

Create subnet [Info](#)

VPC

VPC ID

Create subnets in this VPC.

vpc-0bcd515f12e641606 (kanchu_vpc) ▼

Associated VPC CIDRs

IPv4 CIDRs

192.178.0.0/16

Subnet 1 of 1

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

my-subnet-01

The name can be up to 256 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

No preference

IPv4 CIDR block [Info](#)

10.0.0.0/24

▼ Tags - optional

No tags associated with the resource.

Add new tag

You can add 50 more tags.

Remove

[] In vpc ID select which vpc we want

[] subnet name give whatever

[] ipv4 CIDR block ex:192.178.2.0/24 (3rd bit we need chance)

[] create subnet

[] select subnet right click

Edit subnet settings [Info](#)

Subnet

Subnet ID

subnet-080d222bcb224e8e

Name

kanchu2

Auto-assign IP settings [Info](#)

Enable the auto-assign IP settings to automatically request a public IPv4 or IPv6 address for a new network interface in this subnet.

☒ Enable auto-assign public IPv4 address [Info](#)

☐ Enable auto-assign customer-owned IPv4 address [Info](#)
Option disabled because no customer owned pools found.

[] enable auto-assign ipv4

[] save

Step 3:To create internet gateway create: (this is for first time)

VPC > Internet gateways > Create internet gateway

Create internet gateway [Info](#)

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

Internet gateway settings

Name tag
Creates a tag with a key of 'Name' and a value that you specify.

Tags - optional
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

No tags associated with the resource.

[] In name tag we can give whatever we want ex: kanchana_gat

Step 4:to create Route table

VPC > Route tables > Create route table

Create route table [Info](#)

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.

Route table settings

Name - optional
Create a tag with a key of 'Name' and a value that you specify.

VPC
The VPC to use for this route table.

Tags
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

No tags associated with the resource.

[] Name – optional ex kanchana_rt

[] in vpc select which vpc we want

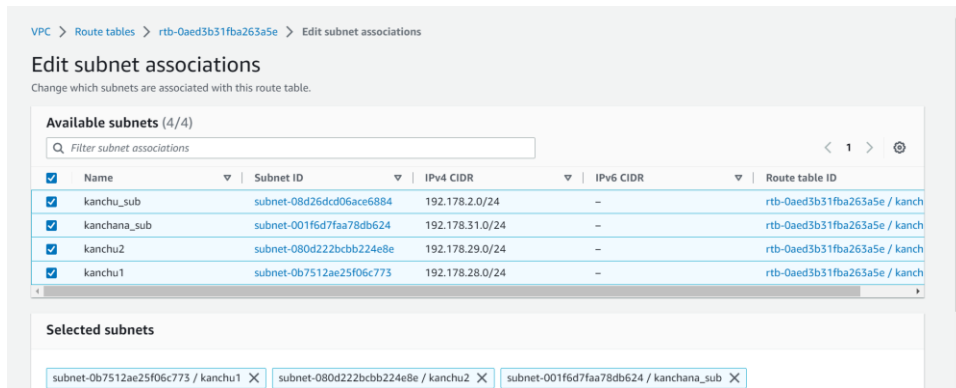
[] in down select

[] subnet associations

[] Edit subnet associations

[] add the subnet which we created/ which we want

[] save



To launch Instance:

[] select EC2 global view

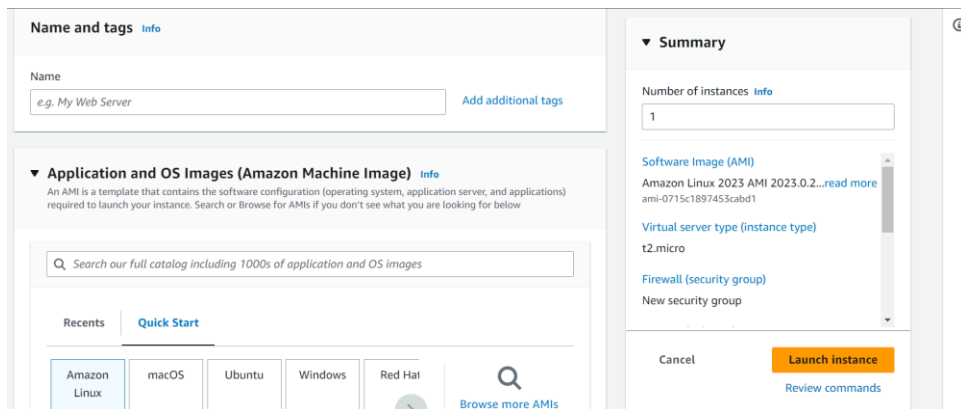
[] in search bar search EC2

[] Selecte EC2

[] In lift side select instances

[] selecte launch instance

[] in name and tags give whatever we want



[] in quick start select which we want

[] in AMI

[] select free tier eligible

[] instance type also selects free tier eligible

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI
ami-0715c1897453cabd1 (64-bit (x86)) / ami-041c36ce1b70dfc41 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs Free tier eligible

Description
Amazon Linux 2023 AMI 2023.0.20230517.1 x86_64 HVM kernel-6.1

Architecture AMI ID
64-bit (x86) ami-0715c1897453cabd1 Verified provider

▼ Instance type Info

Instance type
t2.micro Free tier eligible

▼ Summary

Number of instances Info
1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.0.2...read more
ami-0715c1897453cabd1

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Cancel Launch Instance Review commands

[] In key pair

[] we can select which we already created or else we can create

▼ 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 Create new key pair

▼ Network settings Info Edit

Network Info
vpc-06b7ea48f58d54d69

[] In network setting

[] edit

▼ Network settings

Info

VPC - required

Info

vpc-0bcd515f12e641606 (kanchu_vpc)

192.178.0.0/16

↻

Subnet

Info

subnet-08d26dcd06ace6884

kanchu_sub

↻

Create new subnet

↗

VPC: vpc-0bcd515f12e641606

Owner: 165271113309

Availability Zone: us-east-1d

IP addresses available: 250

CIDR: 192.178.2.0/24)

Auto-assign public IP

Info

Enable

▼

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

Common security groups

Info

Select security groups

▼

[] In vpc required select which we want

[] in firewall select existing security grp if we already created/

[] in common security groups select which we created

Ksg sg-0932aa60577ab2e1d

✕

VPC: vpc-0bcd515f12e641606

↻ Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

► Advanced network configuration

▼ 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

0 x File systems

Edit

[] in firewall in first time selecte create security group

Create security group

Select existing security group

Security group name - *required*

launch-wizard-1

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-1 created 2023-06-05T11:22:40.896Z

Inbound security groups rules

▼ Security group rule 1 (All, All, 0.0.0.0/0)

Remove

Type [Info](#)

All traffic ▼

Protocol [Info](#)

All

Port range [Info](#)

All

Source type [Info](#)

Anywhere ▼

Source [Info](#)

Q Add CIDR, prefix list or secur

0.0.0.0/0 X

Description - *optional* [Info](#)

e.g. SSH for admin desktop

In puttygen:

PutTY Key Generator

File Key Conversions Help

Key

No key.

Actions

Generate a public/private key pair

Generate

Load an existing private key file

Load

Save the generated key

Save public key

Save private key

Parameters

Type of key to generate:

☒ RSA

☐ DSA

☐ ECDSA

☐ EdDSA

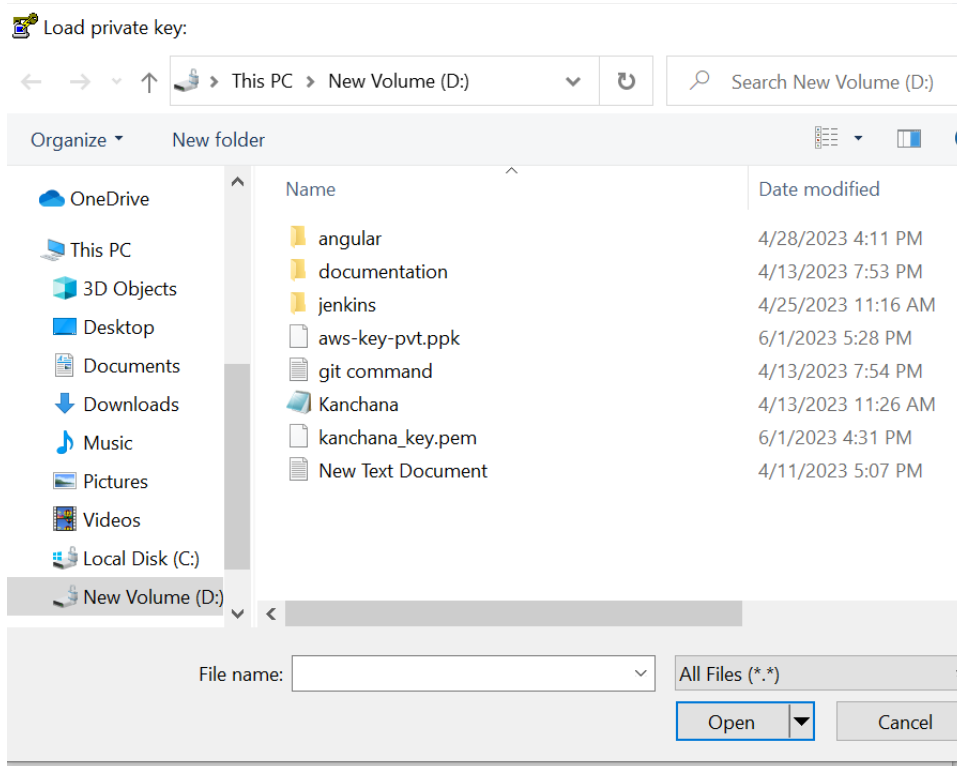
☐ SSH-1 (RSA)

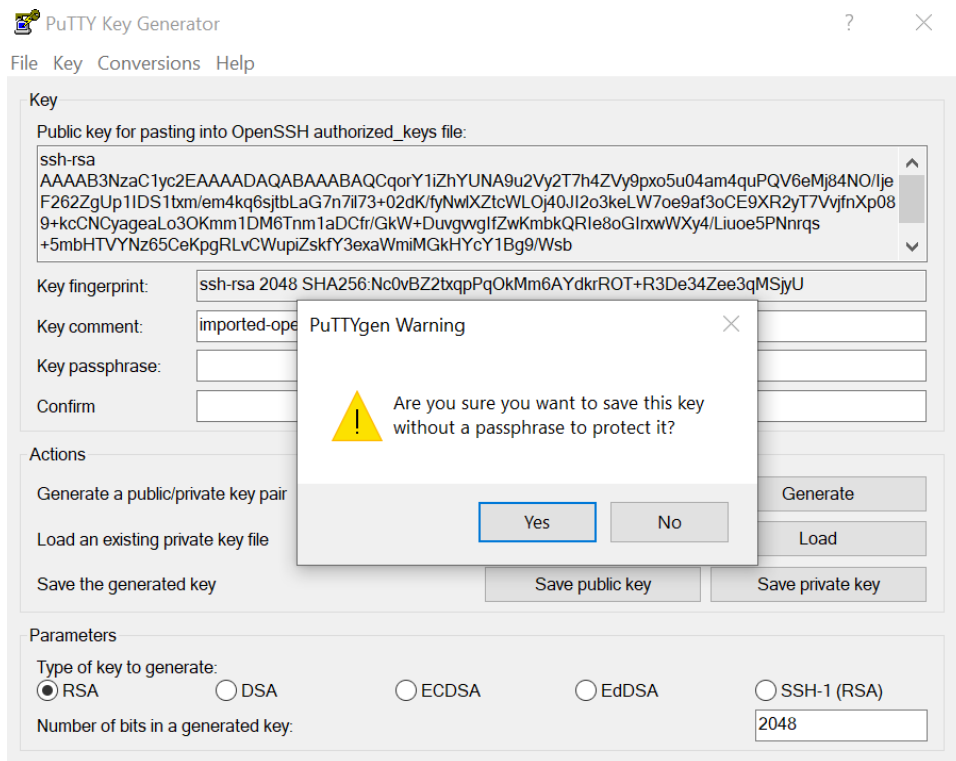
Number of bits in a generated key:

2048

[]select load

[] select all file select .pem file



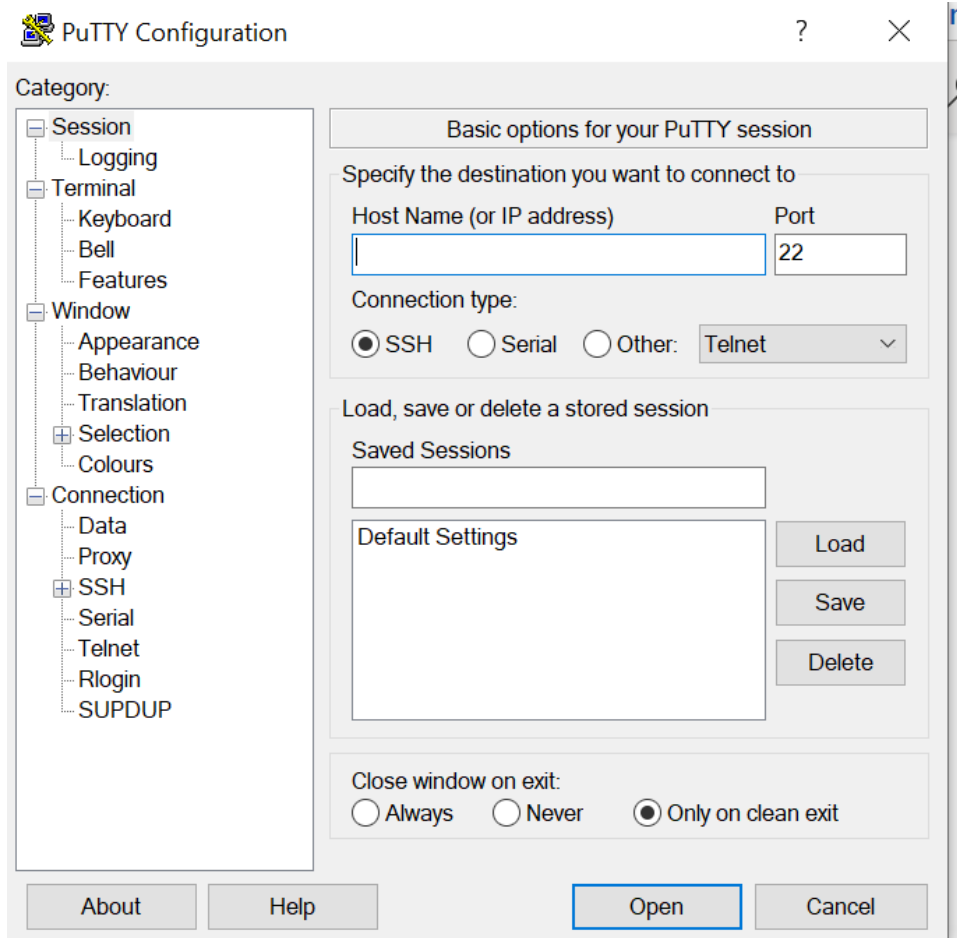


[] select save private key

[] yes

[] save the file

Puttyexe:



[] In host name if we use ubuntu (ubuntu@publicip) if use aws (ec2-user@publicip)

[] SSH

[] Auth

[] credentials

[] in browser select file what we create file in puttygen