Firstly, create VPC

VPC > Your VPCs > vpc-02b52697fe04c42d3

vpc-02b52697fe04c42d3 / chetan-vpc

Actions ▼

Details Info

VPC ID	State	DNS hostnames	DNS resolution
🗗 vpc-02b52697fe04c42d3	⊘ Available	Disabled	Enabled
Tenancy	DHCP options set	Main route table	Main network ACL
Default	dopt-074f4e6af55615f75	rtb-0646ea2a0c495aaf1	acl-08730ad04bb76fdf3
Default VPC	IPv4 CIDR	IPv6 pool	IPv6 CIDR
No	172.65.0.0/16	–	–
Route 53 Resolver DNS Firewall rule groups	Owner ID		
–	🗗 829912339674		

Create it's min 1 subnet for

DHCP

Subnets (2) Info

Actions ▼   Create subnet

🔍 Filter subnets

< 1 > ⚙

	Name ▽	Subnet ID ▽	State ▽	VPC ▽	IPv4 CIDR ▽	IPv6 CIDR ▽	Available IPv4 addresses ▽	Availabil
☐	sub-2	subnet-0f46798d48a2c91e9	⊘ Available	vpc-02b52697fe04c42d3	che...	172.65.128.0/17	–	32763	ap-south
☐	sub-1	subnet-0f5d4ff1920138333	⊘ Available	vpc-02b52697fe04c42d3	che...	172.65.0.0/17	–	32763	ap-south

Create internet gateway & attach to vpc

⊘ The following internet gateway was created: igw-02f0d8cf4c79bf763 - chetan-igw. You can now attach to a VPC to enable the VPC to communicate with the internet.

Attach to a VPC   ✕

VPC > Internet gateways > igw-02f0d8cf4c79bf763

igw-02f0d8cf4c79bf763 / chetan-igw

Actions ▼

Details Info

Internet gateway ID	State	VPC ID	Owner
🗗 igw-02f0d8cf4c79bf763	⊖ Detached	-	🗗 829912339674

VPC > Internet gateways > Attach to VPC (igw-02f0d8cf4c79bf763)

Attach to VPC (igw-02f0d8cf4c79bf763) Info

VPC

Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs
Attach the internet gateway to this VPC.

🔍 Select a VPC

vpc-02b52697fe04c42d3 - chetan-vpc

▶ AWS Command Line Interface command

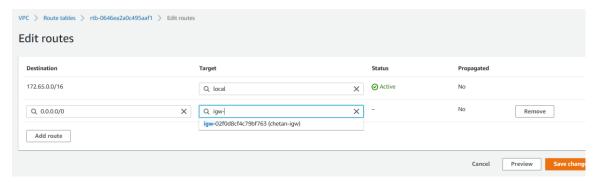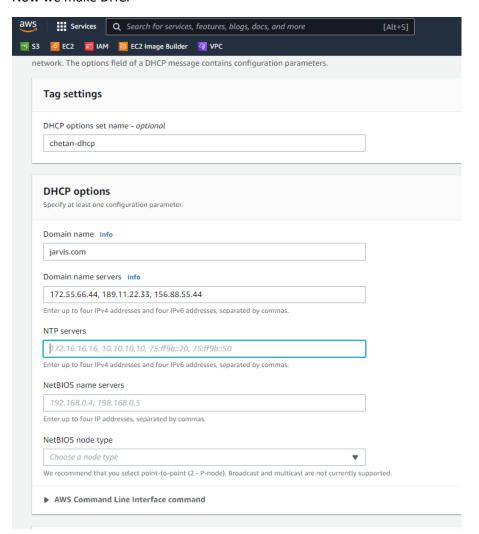Cancel   Attach internet gateway

Now, make entry in default created route table

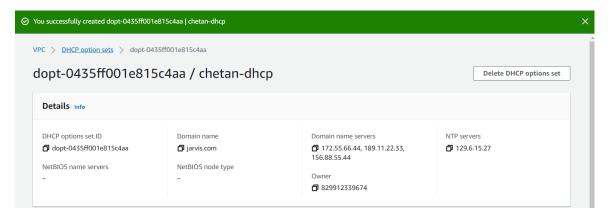Edit routes → Internet Gateway

Now we make DHCP

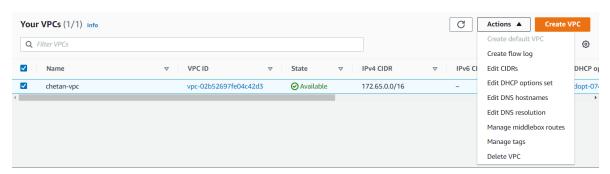Provide required domain name & Random Domain Name server

Provide NTP Server any IPV4 from NIST Website https://tf.nist.gov/tf-cgi/servers.cgi
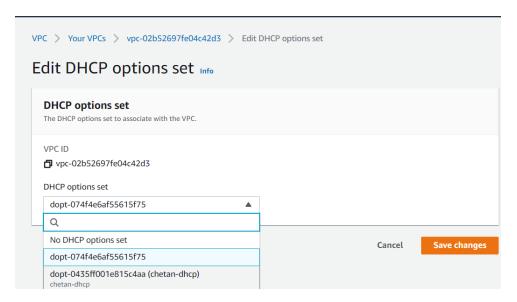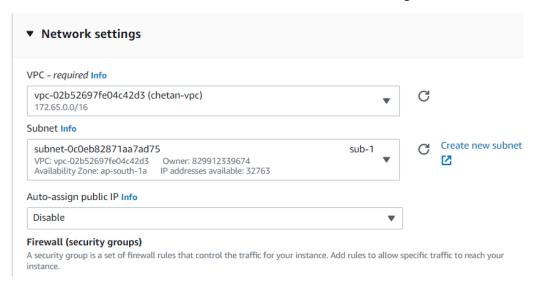

Created succsesfully
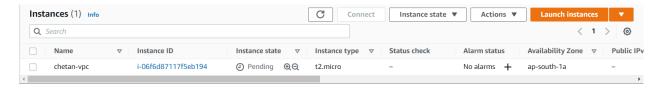

Now, Attach to our created VPC

Now, we create on instance and attach created VPC, while creating instance

Try to take availability zone only 1a & 1b not go with 1c

Instance created succsesfully

Now we connect to the aws-cli mode, now we get our provided IP via DHCP option set

```
  _|  _|_  )
  _|  (     /    Amazon Linux 2 AMI
 _|\___|___|

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-65-45-254 ~]$ sudo -i
[root@ip-172-65-45-254 ~]# cat /etc/resolv.conf
; generated by /usr/sbin/dhclient-script
search jarvis.com
options timeout:2 attempts:5
nameserver 172.55.66.44
nameserver 189.11.22.33
nameserver 156.88.55.44
[root@ip-172-65-45-254 ~]#
```