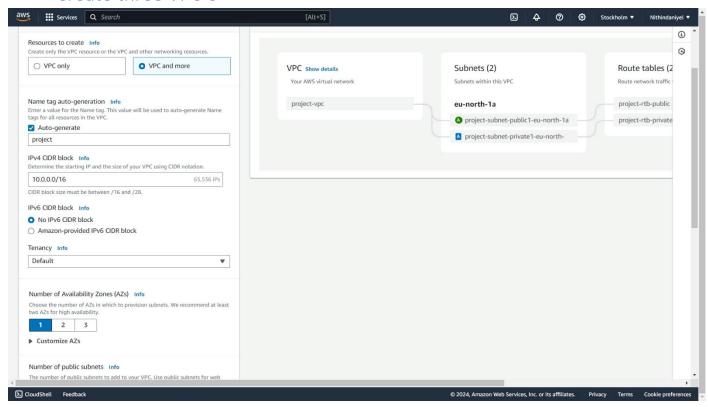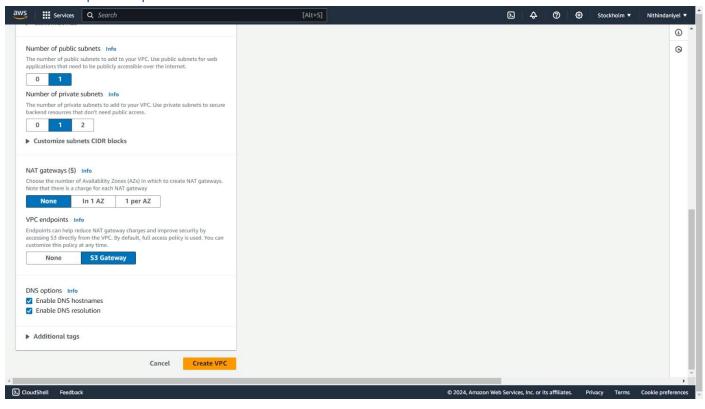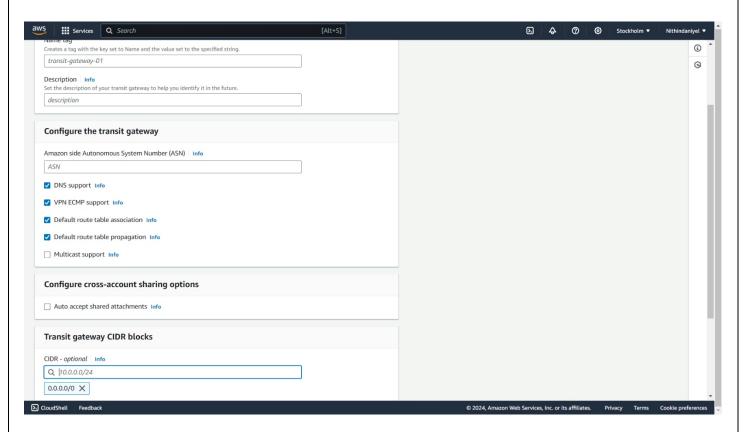# TRANSIT GATEWAY

- Create three VPC'S

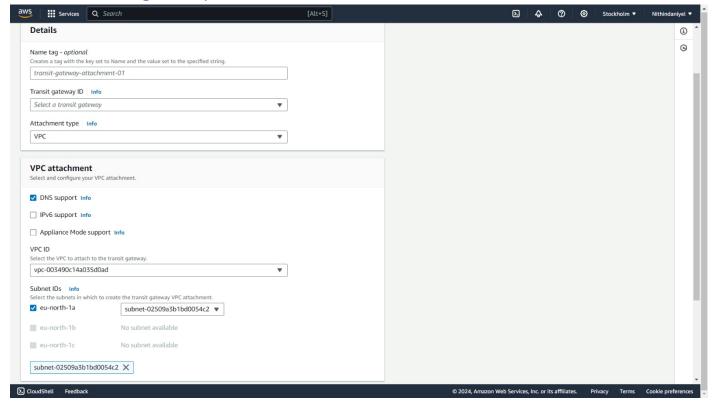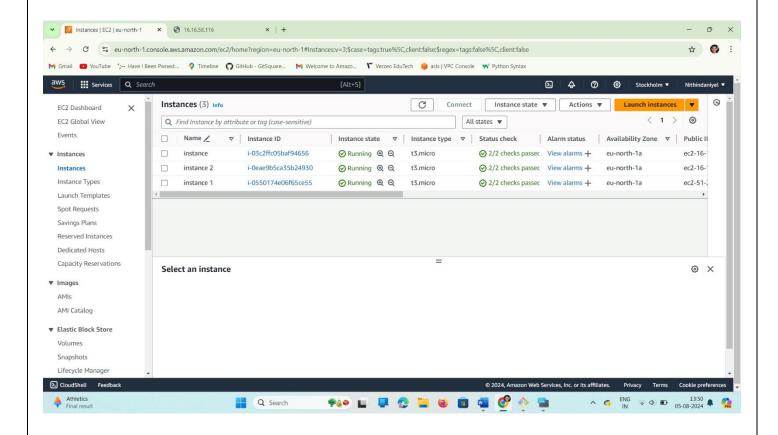*Create vpc in vpc and more

- CREATE TRANSIT GATEWAY

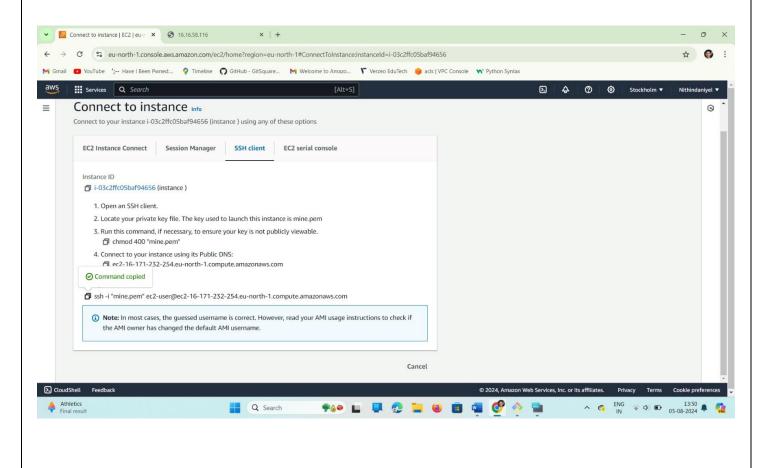## *Create transit gateway attachment

*connect the three vpc's with three attachments
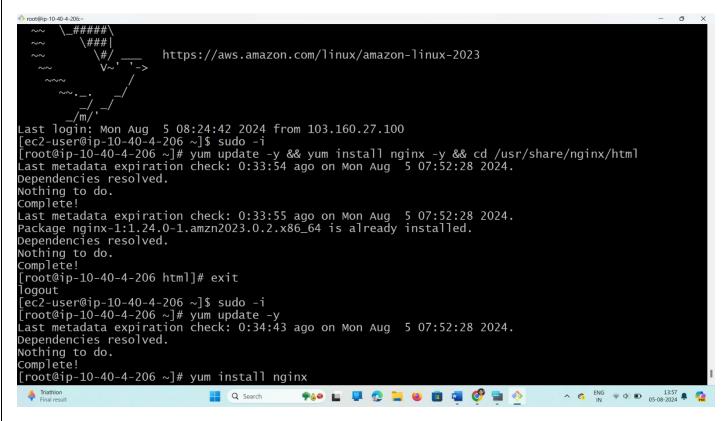
*connect with public subnet

*Create 3 instances for 3 VPC's.
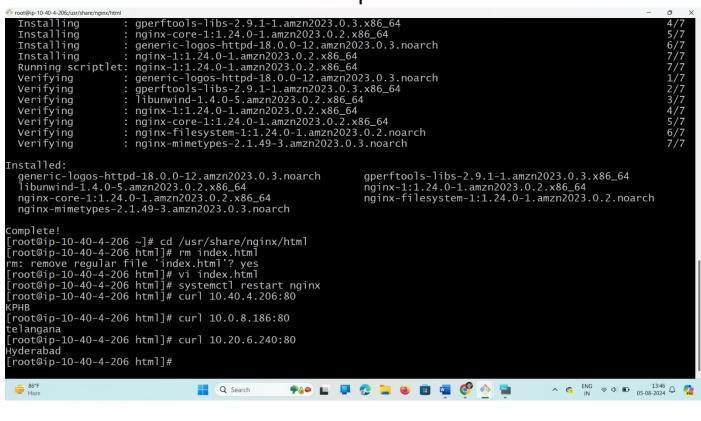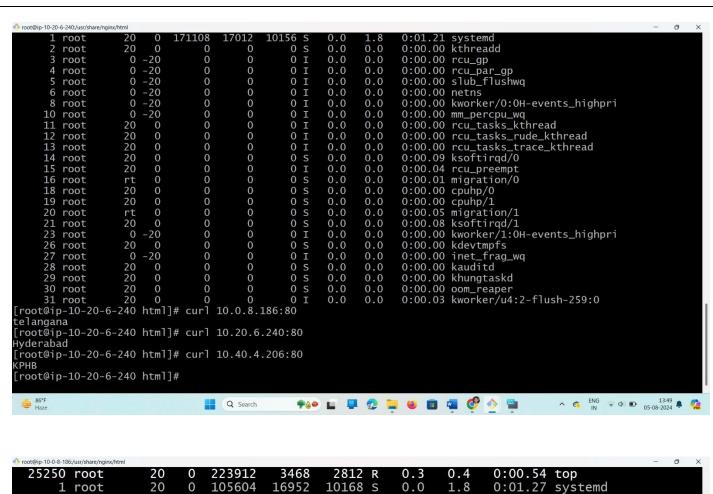

*Connect to instance one after one.

*Open Git Bash and connect to the user then follows as root user with sudo -I command.

*As above commands do it for another 2 instances.

Output

```
    1 root        20    0   171108   17012   10156 S   0.0   1.8   0:01.21 systemd
    2 root        20    0        0       0       0 S   0.0   0.0   0:00.00 kthreadd
    3 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 rcu_gp
    4 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 rcu_par_gp
    5 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 slub_flushwq
    6 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 netns
    8 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 kworker/0:0H-events_highpri
   10 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 mm_percpu_wq
   11 root        20    0        0       0       0 I   0.0   0.0   0:00.00 rcu_tasks_kthread
   12 root        20    0        0       0       0 I   0.0   0.0   0:00.00 rcu_tasks_rude_kthread
   13 root        20    0        0       0       0 I   0.0   0.0   0:00.00 rcu_tasks_trace_kthread
   14 root        20    0        0       0       0 S   0.0   0.0   0:00.09 ksoftirqd/0
   15 root        20    0        0       0       0 I   0.0   0.0   0:00.04 rcu_preempt
   16 root        rt    0        0       0       0 S   0.0   0.0   0:00.01 migration/0
   18 root        20    0        0       0       0 S   0.0   0.0   0:00.00 cpuhp/0
   19 root        20    0        0       0       0 S   0.0   0.0   0:00.00 cpuhp/1
   20 root        rt    0        0       0       0 S   0.0   0.0   0:00.05 migration/1
   21 root        20    0        0       0       0 S   0.0   0.0   0:00.08 ksoftirqd/1
   23 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 kworker/1:0H-events_highpri
   26 root        20    0        0       0       0 S   0.0   0.0   0:00.00 kdevtmpfs
   27 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 inet_frag_wq
   28 root        20    0        0       0       0 S   0.0   0.0   0:00.00 kauditd
   29 root        20    0        0       0       0 S   0.0   0.0   0:00.00 khungtaskd
   30 root        20    0        0       0       0 S   0.0   0.0   0:00.00 oom_reaper
   31 root        20    0        0       0       0 I   0.0   0.0   0:00.03 kworker/u4:2-flush-259:0
[root@ip-10-20-6-240 html]# curl 10.0.8.186:80
telangana
[root@ip-10-20-6-240 html]# curl 10.20.6.240:80
Hyderabad
[root@ip-10-20-6-240 html]# curl 10.40.4.206:80
KPHB
[root@ip-10-20-6-240 html]#
```

```
25250 root        20    0   223912    3468    2812 R   0.3   0.4   0:00.54 top
    1 root        20    0   105604   16952   10168 S   0.0   1.8   0:01.27 systemd
    2 root        20    0        0       0       0 S   0.0   0.0   0:00.00 kthreadd
    3 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 rcu_gp
    4 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 rcu_par_gp
    5 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 slub_flushwq
    6 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 netns
    8 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 kworker/0:0H-even+
    9 root        20    0        0       0       0 I   0.0   0.0   0:00.03 kworker/u4:0-even+
   10 root         0  -20        0       0       0 I   0.0   0.0   0:00.00 mm_percpu_wq
   11 root        20    0        0       0       0 I   0.0   0.0   0:00.00 rcu_tasks_kthread
   12 root        20    0        0       0       0 I   0.0   0.0   0:00.00 rcu_tasks_rude_kt+
   13 root        20    0        0       0       0 I   0.0   0.0   0:00.00 rcu_tasks_trace_k+
   14 root        20    0        0       0       0 S   0.0   0.0   0:00.09 ksoftirqd/0
   15 root        20    0        0       0       0 I   0.0   0.0   0:00.06 rcu_preempt
   16 root        rt    0        0       0       0 S   0.0   0.0   0:00.00 migration/0
   18 root        20    0        0       0       0 S   0.0   0.0   0:00.00 cpuhp/0
   19 root        20    0        0       0       0 S   0.0   0.0   0:00.00 cpuhp/1
   20 root        rt    0        0       0       0 S   0.0   0.0   0:00.04 migration/1
[root@ip-10-0-8-186 html]# curl 10.20.6.240:80
Hyderabad
[root@ip-10-0-8-186 html]# curl 10.0.8.186:80
telangana
[root@ip-10-0-8-186 html]# curl 10.40.4.206:80
KPHB
[root@ip-10-0-8-186 html]#
```

*Use curl to connect from one VPC to another VPC.

*Like this way connection of 3 VPC's with Transit Gateway works.