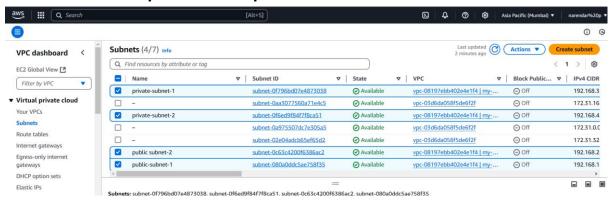
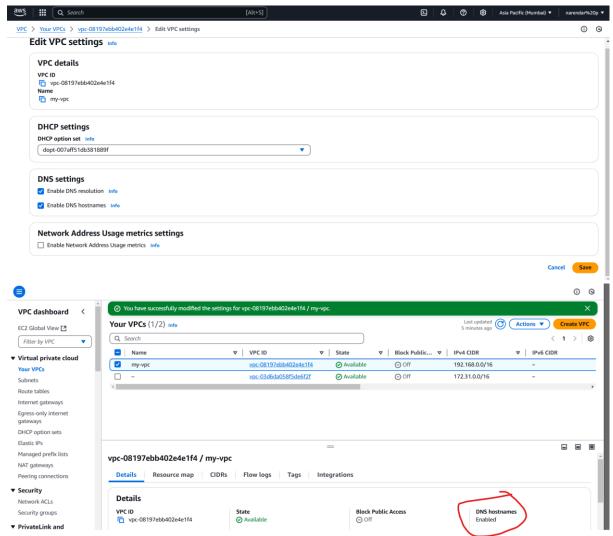
# **TASK ON VPC 01**

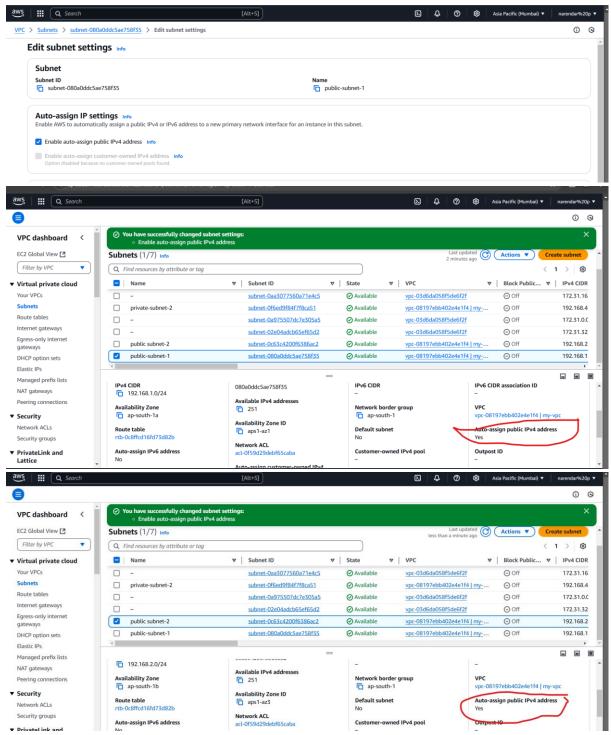
1) Create VPC with 2 private and 2 public subnets:



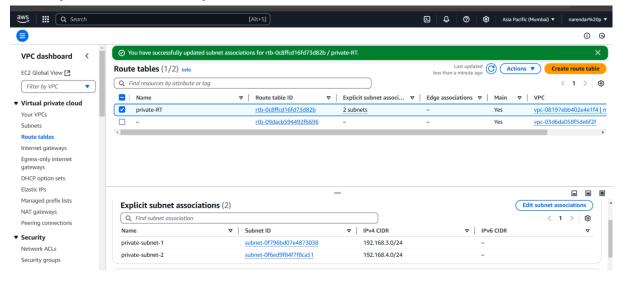
2) Enable DNS Hostname in VPC:



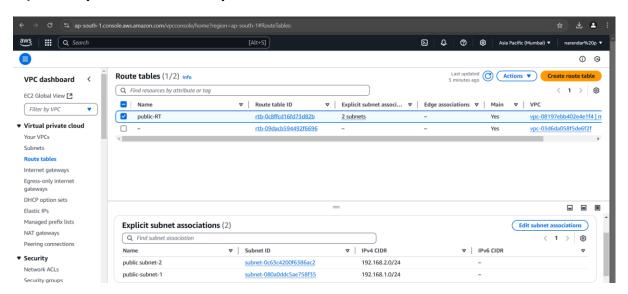
### 3) Enable Auto Assign Public I p in 2 public subnets:



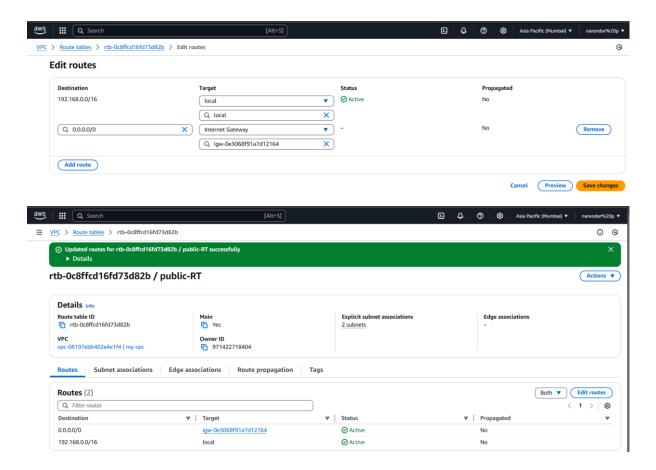
4) Add 2 private subnets in private route table:



## 5) Add 2 public subnets in public route table:

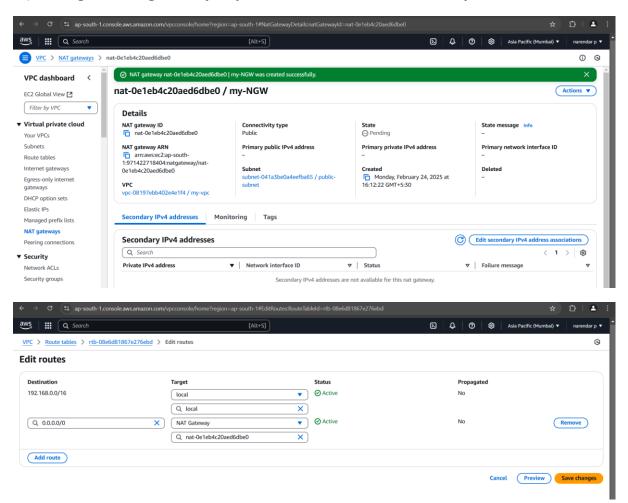


6) Public route table will have the routes to internet and local:



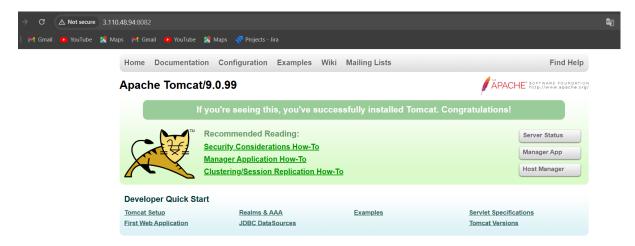
7) Create Ec2 in public subnet with t2micro and install php:

### 8) Configure Nat gateway in public subnet and connect to private Instance:



```
[ec2-user@ip-192-168-0-13 ~]$ vi test.pem
[ec2-user@ip-192-168-0-13 ~]$ sudo -i
[root@ip-192-168-0-13 ~]# vi test.pem
[root@ip-192-168-0-13 ~]# chmod 600 test.pem
[root@ip-192-168-0-13 ~]# ssh -i test.pem ec2-user@192.168.0.22
The authenticity of host '192.168.0.22 (192.168.0.22)' can't be established.
ECDSA key fingerprint is SHA256:1Eia4PTID78k9XmQlOZVRYx/ilYwO+DX3771S1HNeKQ.
ECDSA key fingerprint is MD5:71:ab:00:00:77:d1:d5:89:90:26:52:94:bb:16:b7:e7.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.0.22' (ECDSA) to the list of known hosts.
           ####
                             Amazon Linux 2
           #####
                             AL2 End of Life is 2026-06-30.
                \#/
                             A newer version of Amazon Linux is available!
                             Amazon Linux 2023, GA and supported until 2028-03-15.
                                https://aws.amazon.com/linux/amazon-linux-2023/
 [ec2-user@ip-192-168-0-22 ~]$ sudo -i
[root@ip-192-168-0-22 ~]# ping google.com
PING google.com (142.251.42.46) 56(84) bytes of data.
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1092 ttl=116 t
ime=3.87 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1093 ttl=116 t
ime=2.33 ms
 64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1094 ttl=116 t
ime=2.17 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1095_ttl=116 t
ime=2.65 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1096 ttl=116 t
ime=2.11 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1097 ttl=116 t
ime=2.44 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1098 ttl=116 t
ime=2.11 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1099 ttl=116 t
ime=2.18 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1100 ttl=116 t
ime=2.11 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1101 ttl=116 t ime=2.53 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1102 ttl=116 t
ime=2.10 ms
64 bytes from bom12s20-in-f14.1e100.net (142.251.42.46): icmp_seq=1103 ttl=116 t
```

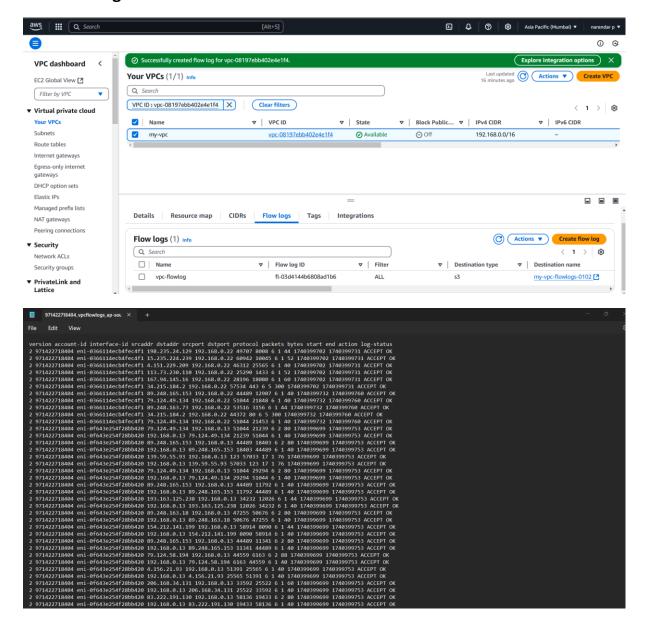
### 9) Install Apache Tomcat in private ec2 and deploy a sample app:





#### 10) Configure VPC flow logs and store the logs in s3 and CloudWatch:

#### Store the logs in S3:



#### Store the logs in Cloud watch:

