

## TNGS LS LAB Practice- Creating a web server and AMI

### LAB - EC2 Web Server (Elastic Compute Cloud)

#### 1. AMI

- Launch an EC2 with an amazon linux 2 AMI in (us-east-1(Virginia))
- Install Apache web server application on our linux server
- Create an AMI from the above linux existing linux instance
- Share the image to Ohio region or another region
- Also share to my account (220816069512)
- Launch an instance from copied AMI in another AWS region (AWS data center(us-east-2(Ohio)))

#### 2. Install Apache Web Server on Linux Instance

*Apache is a popular free, open-source, cross-platform web server software.*

*This application will allow you to host a website and access the site on a web browser.*

\$ sudo su - (change to root user)

\$ yum install httpd -y (Install apache application)

\$ cd /var/www/html (Navigate to specified location)

\$ ls (notice there is not file in the location)

\$ vim index.html (We create a file called index which will hold content of our website)

press i on your keyboard and type the following text "this is my first website"

Press Esc on your keyboard

type :wq! and press Enter

\$ ls (Notice we now have our index.html file created)

\$ cat index.html (view content of the file)

\$ service httpd status (Check the status of apache service)

\$ service httpd start (start apache service)

\$ service httpd status (Check the status of apache service)

- Make sure Security group has a rule to allow http on port 80 - This will allow traffic from you instance to the world wide web www
- Make sure your web service is running inside your server (service httpd status)
- Lastly make sure you're using public IP not Private IP