Task:Setup SSL for NGINX

Requirement: Install Nginx in nautilus app01 and copy trusted cert and key located in /tmp to a desired location and configure ssl by creating a index.html and moving it to Document root

Finally validate by curl https://<app01 ip or hostname>>/ from jumpbox

Steps followed

1.logged in nautilus app server stapp01 as banner user from jumpbox

2.Checked OS it is running using

$sudo cat /etc/redhat-release

Or

$sudo cat /etc/os-release

Sample output

NAME="Ubuntu"

VERSION="18.04.1 LTS (Bionic Beaver)"

ID=ubuntu

ID\_LIKE=debian

PRETTY\_NAME="Ubuntu 18.04.1 LTS"

VERSION\_ID="18.04"

HOME\_URL="https://www.ubuntu.com/"

SUPPORT\_URL="https://help.ubuntu.com/"

BUG\_REPORT\_URL="https://bugs.launchpad.net/ubuntu/"

PRIVACY\_POLICY\_URL="https://www.ubuntu.com/legal/terms-and-policies/privacy-policy"

VERSION\_CODENAME=bionic

Once you check the OS version depending on it try to install Nginx

2.Checked if nginx is present or not

$sudo rpm –qa|grep nginx

Or

$sudo yum info nginx

Or

$sudo ps –ef|grep nginx

Or

$sudo systemctl status nginx

3.Since it is not present and epel repository is not present either installing first

$sudo yum install epel-release

And

$sudo yum install nginx –y

4.Starting and enabling nginx

$sudo systemctl start nginx

And

$sudo systemctl enable nginx

And

$sudo systemctl status nginx

5.Created a dir ssl under /etc/nginx/ and copied those cert and key from tmp to it

6.Created a index file with welcome context and moved to nginx document root directory /usr/share/nginx/html/

7.Edited /etc/nginx/nginc.conf

Sample

server {

**listen443;**

**ssl on;**

**ssl\_certificate /etc/ssl/your\_domain\_name.pem;** (or bundle.crt)

**ssl\_certificate\_key /etc/ssl/your\_domain\_name.key;**

server\_name your.domain.com;

access\_log /var/log/nginx/nginx.vhost.access.log;

error\_log /var/log/nginx/nginx.vhost.error.log;

location / {

root /home/www/public\_html/your.domain.com/public/;

index index.html;

}

}

8.Reload or restart nginx

$sudo nginx –t

$sudo systemctl restart nginx

9.Validate using cur from jumpbox

Curl –Ik https:/<<ip of app server>>

I---for getting header of the document

k—verifies whether server connection is secure using correct certificate name and cert store