setup amazon ec2 instance and run the following commands

yum update –y

wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-stable/jenkins.repo

sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key

yum upgrade

amazon-linux-extras install java-openjdk11 -y

yum install jenkins -y

systemctl enable jenkins

systemctl start jenkins

systemctl status jenkins

cat /var/lib/jenkins/secrets/initialAdminPassword (jenkins) , put domain name in url when configuring

sudo amazon-linux-extras install nginx1 -y

sudo systemctl start nginx

sudo systemctl enable nginx

mkdir sites-enabled in /nginx

mkdir sites-available in/nginx

make sure this line is pasted in nginx.conf include /etc/nginx/sites-enabled/\*;

vi nginx.conf (remove server lines 38 to 53 roughly) -cross check

sudo vi /etc/nginx/sites-available/jenkinsproj.nl (jenkinsproj.nl) is my domain name

sudo vi /etc/nginx/sites-available/jenkinsproj.nl

Paste in the following configuration block, which is similar to the default, but updated for our new directory and domain name:

Paste the below (replace your domain)

upstream jenkins{

server 127.0.0.1:8080;

}

server{

listen 80;

server\_name jenkinsproj.nl;

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

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

proxy\_buffers 16 64k;

proxy\_buffer\_size 128k;

location / {

proxy\_pass http://jenkins;

proxy\_next\_upstream error timeout invalid\_header http\_500 http\_502 http\_503 http\_504;

proxy\_redirect off;

proxy\_set\_header Host $host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

}

Next, let’s enable the file by creating a link from it to the sites-enabled directory, which Nginx reads from during startup:

Run from shell prompt (replace your domain)

sudo ln -s /etc/nginx/sites-available/jenkinsproj.nl /etc/nginx/sites-enabled/

Next, test to make sure that there are no syntax errors in any of your Nginx files:

Run from shell prompt

sudo nginx -t

custom dns website made for jenkins should work

just incase if you missed pasting url for jenkins, you can paste here jenkins.model.JenkinsLocationConfiguration.xml (url file in jenkins)

yum update

yum -y install https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm

sudo yum install python3-certbot-apache mod\_ssl

sudo yum install certbot python-certbot-nginx

sudo certbot --nginx -d jenkinsproj.nl

systemctl restart nginx