

Thank you for taking this course! I hope you are finding this course valuable. Please post any questions, so that I may answer. Enjoy!

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**BELOW ARE THE COMMON COMMANDS USED IN THIS COURSE:**

**Install Jenkins:**

wget -q -O - https://pkg.jenkins.io/debian/jenkins.io.key | sudo apt-key add -

sudo sh -c 'echo deb http://pkg.jenkins.io/debian-stable binary/ > /etc/apt/sources.list.d/jenkins.list'

sudo apt-get update

sudo apt-get install jenkins

Install Java 8:

sudo apt install openjdk-8-jdk

Install NGINX:

sudo apt-get update

sudo apt-get install nginx

Check:

systemctl status nginx | grep Active

systemctl status jenkins | grep Active

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**For Configuring NGINX**

sudo apt upgrade

ps -ef | grep jenkins

unlink /etc/nginx/sites-enabled/default

vim /etc/nginx/conf.d/jenkins.conf

upstream jenkins {

server 127.0.0.1:8080;

}

server {

listen 80 default;

#server\_name your\_jenkins\_site.com;#

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 http;

}

}

systemctl reload nginx

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ls -a ~

sudo apt install python-pip

export PATH=$PATH:~/.local/bin/

Jenkins username = syed (you would have your own name)

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After you connect to Jenkins using browser:

cat /var/lib/jenkins/secrets/initialAdminPassword

after running the above command copy the password

f7ed44d089ce4782b7c42a4faefc90berft (you would have your own password)

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jenkins-master-smtp

SMTP Username:

AKIAJOKRNBLKXWQSE2E27YA (you would have your own username)

SMTP Password:

AqlQayGPhh8bhGXW7CMTtCx0uvqU+iY3BNHYTRGF9MRO/ (you would have your own password)

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#!bin/bash

#update the yum cache

yum update

**#install java**

yum -y install java-1.8.0-openjdk

**#install git**

yum -y install git

#install elastic beanstalk CLI

/usr/bin/easy\_install awsebcli

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On Red Hat and derivatives, use yum. (we are using this for the build-server)

We are going to install Java8 on build-server along with ebcli, git

yum update

yum -y install java-1.8.0-openjdk

yum -y install git

/usr/bin/easy\_install awsebcli

eb --version

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**Connect using Shell:**

sudo apt-get update

sudo apt-get install openjdk-8-jdk

**python --version**

On Debian derivatives such as Ubuntu, use APT. use:

sudo apt-get install python3.4

On Red Hat and derivatives, use yum:

sudo yum install python34

export PATH=~/.local/bin:$PATH

source ~/.bash\_profile

pip install awscli

aws configure

(here input access keys)

default region is us-east-1

aws ec2 describe instances

**#Intsall eb**

pip install awsebcli --upgrade --user

eb --version

**Build Execute Shell**

**#initialize the elastic beanstalk app**

eb init <your app name from aws beanstalk> --platform python-3.6 --region us-east-1

**#select the development environment for deployment**

eb use development

**#Deploy the application**

eb deploy

**#get the heath and status information**

eb health

eb status

**Happy learning!**

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