**Jenkin Build Pipeline**

**-------------------------------------**

·      How to make a pipeline

o  On Jenkins

§ Manage Jenkins > Manage plugins > available > github > github integration plugin

§ Download now, restart

§ Restart Jenkins: sudo systemctl restart Jenkins

§ Jenkins > todo pipeline

§ New item

§ Keep max of 20 build

§ Click github project, get github url and past it there

§ Build triggers

·      Github hook trigger for GITscm polling

§ Configure

·      Scroll to bottom

·      Paste slack code

·      Apply and save

§ Back to configure

·      Go to the echo in build

o  Echo ‘starting build’

o  sh ‘npm run build –prod -- aot‘

·      Can check builds by going to them in EC2

·      Tell Jenkins how to pull the code or pull in script

·      Add a stage above build (called ‘source’)

·      Add steps

o  Sh ‘git clone repositoryUrl’

·      Tell it to go into the repository

o  In build stage

§ Dir(‘directoryname’) {

§ echo ‘start build’

§ sh ‘npm install’

§ sh ‘npm run build etc. from earlier’

§ }

o  Back in source

§ Add sh ‘rm -rf directoryname’ above clone

o  Install angular in EC2

§ Sudo npm install -g @angular/cli

o  Can go to AWS > Instance State > reboot if your machine gets overwhelmed

§ Back in the linux thing

·      Go to the aforementioned place where Jenkins puts builds

·      Go into webapps (apache-tomcat-etc.)

·      Pwd

·      Copy the webapps path

§ Back in Jenkins Configure

·      In stage deliver

·      Add Sh ‘cp -r dist/todo **webapps path**‘

------------------------------------------------------------------------

  How to make a pipeline

o  On Jenkins

§ Manage Jenkins > Manage plugins > available > github > github integration plugin

§ Download now, restart

§ Restart Jenkins: sudo systemctl restart Jenkins

§ Jenkins > todo pipeline

§ New item

§ Keep max of 20 build

§ Click github project, get github url and past it there

§ Build triggers

·      Github hook trigger for GITscm polling

§ Configure

·      Scroll to bottom

·      Paste slack code

·      Apply and save

§ Back to configure

·      Go to the echo in build

o  Echo ‘starting build’

o  sh ‘npm run build –prod -- aot‘

·      Can check builds by going to them in EC2

·      Tell Jenkins how to pull the code or pull in script

·      Add a stage above build (called ‘source’)

·      Add steps

o  Sh ‘git clone repositoryUrl’

·      Tell it to go into the repository

o  In build stage

§ Dir(‘directoryname’) {

§ echo ‘start build’

§ sh ‘npm install’

§ sh ‘npm run build etc. from earlier’

§ }

o  Back in source

§ Add sh ‘rm -rf directoryname’ above clone

o  Install angular in EC2

§ Sudo npm install -g @angular/cli

o  Can go to AWS > Instance State > reboot if your machine gets overwhelmed

§ Back in the linux thing

·      Go to the aforementioned place where Jenkins puts builds

·      Go into webapps (apache-tomcat-etc.)

·      Pwd

·      Copy the webapps path

§ Back in Jenkins Configure

·      In stage deliver

·      Add Sh ‘cp -r dist/todo **webapps path**‘