Create customized Dockerfile for tomcat

```
[root@docker ~]#
[root@docker ~]# vim Dockerfile
[root@docker ~]#
[root@docker ~]#
[root@docker ~]# docker build -t demotomcat .
Sending build context to Docker daemon 15.87kB
Step 1/2 : FROM tomcat:latest
 ---> 5a4ee0c8ccbe
Step 2/2 : RUN cp -R /usr/local/tomcat/webapps.dist/* /usr/local/tomcat/webapps
 ---> Running in 61ba176b3a03
Removing intermediate container 61ba176b3a03
 ---> a60121ae860d
Successfully built a60121ae860d
Successfully tagged demotomcat:latest
[root@docker ~]#
[root@docker ~]#
[root@docker ~]# cat Dockerfile
FROM tomcat:latest
RUN cp -R /usr/local/tomcat/webapps.dist/* /usr/local/tomcat/webapps
[root@docker ~]#
[root@docker ~]# 📕
 root@docker ~]# docker images
EPOSITORY TAG IMAGE ID CREATED
emotomcat latest a60121ae860d 41 seconds ago
ytomcat latest bbdd25816d1b 20 minutes ago
omcat latest 5a4ee0c8ccbe 2 days ago
entos 7 eeb6de3f44bd 2 years ago
 rootedocker ~]#
rootedocker ~]#
rootedocker ~]# cotever run -dit --name demotomcat-container -p 8085:8080 a60121ae860d
labs4fae0858560b461914f5470889a6841de113a59df85f11331631b587fafb
 NAMES
demotomcat-container
nice_chandrasekhar
                                                                      PORTS
0.0.0.0:8085->8080/tcp, :::8085->8080/tcp
```

Integrate Docker with Jenkins

- Create a dockeradmin user
- · Install "Publish Over SSH" plugin
- Add Dockerhost to Jenkins "configure systems"



```
[root@docker ~]# cat /etc/group | grep docker
docker:x:992:
[root@docker ~]#
[root@docker ~]# useradd dockeradmin
[root@docker ~]#
[root@docker ~]# passwd dockeradmin
Changing password for user dockeradmin.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@docker ~]#
[root@docker ~]# id dockeradmin
uid=1001(dockeradmin) gid=1001(dockeradmin) groups=1001(dockeradmin)
[root@docker ~]# usermod -aG docker dockeradmin
[root@docker ~]#
[root@docker ~]# id dockeradmin
uid=1001(dockeradmin) gid=1001(dockeradmin) groups=1001(dockeradmin),992(docker)
[root@docker ~]#
[root@docker ~]# 📕
```

But I'm not able to login with dockeradmin user by default instance in disable passwoed based authentication so we need to enable it.

vim /etc/ssh/sshd_config

```
# To disable tunneled clear tex

PasswordAuthentication yes

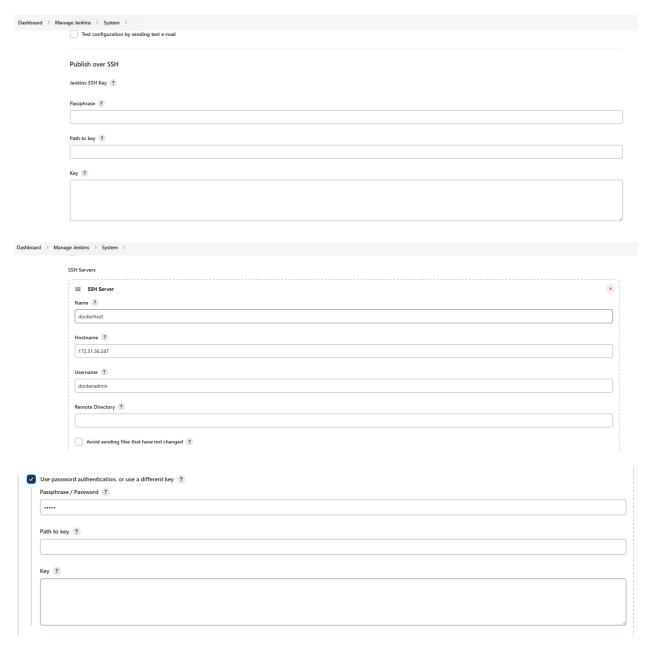
#PermitEmptyPasswords no

#PasswordAuthentication no
```

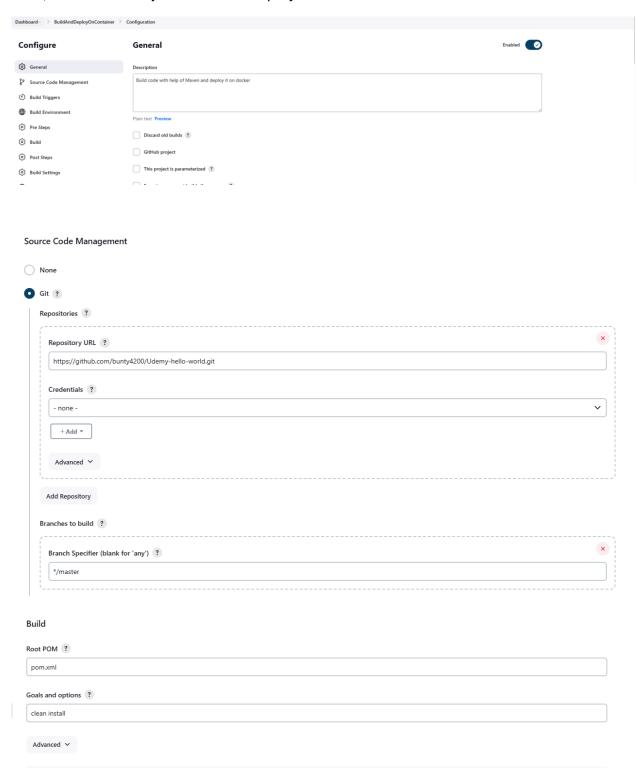
service sshd restart

Install the plugin publish over ssh it will use for transfer artifacts over the server.

ADD dockerhost to Jenkins configuration.



Now, create Jenkins jobs BuildAndDeployOnContainer



Post-build Actions



Save and build job