

Update Tomcat dockerfile to automate deployment process.

```
# cd /opt
```

```
# mkdir docker
```

```
# chmod -R dockeradmin:dockeradmin docker
```

```
[root@docker ~]#  
[root@docker ~]# cd /opt/  
[root@docker opt]# ls  
aws containerd rh  
[root@docker opt]#  
[root@docker opt]# mkdir docker  
[root@docker opt]#  
[root@docker opt]# ll  
total 0  
drwxr-xr-x 4 root root 33 May 3 23:45 aws  
drwx--x--x 4 root root 28 May 16 07:26 containerd  
drwxr-xr-x 2 root root 6 May 16 10:24 docker  
drwxr-xr-x 2 root root 6 Aug 16 2018 rh  
[root@docker opt]#  
[root@docker opt]# chmod -R dockeradmin:dockeradmin docker/  
chmod: invalid mode: 'dockeradmin:dockeradmin'  
Try 'chmod --help' for more information.  
[root@docker opt]#  
[root@docker opt]# ch -R dockeradmin:dockeradmin docker/  
chacl chage chardetect chatr chcon chcpu chgrp chkconfig chmem  
[root@docker opt]# chown -R dockeradmin:dockeradmin docker/  
[root@docker opt]#  
[root@docker opt]# ll  
total 0  
drwxr-xr-x 4 root root 33 May 3 23:45 aws  
drwx--x--x 4 root root 28 May 16 07:26 containerd  
drwxr-xr-x 2 dockeradmin dockeradmin 6 May 16 10:24 docker  
drwxr-xr-x 2 root root 6 Aug 16 2018 rh  
[root@docker opt]#  
[root@docker opt]# cd  
[root@docker ~]# ls  
1 Dockerfile  
[root@docker ~]#  
[root@docker ~]# mv Dockerfile /opt/docker  
[root@docker ~]#  
[root@docker ~]# cd /opt/  
[root@docker opt]#  
[root@docker opt]# chown -R dockeradmin:dockeradmin docker/  
[root@docker opt]#  
[root@docker opt]# ll  
total 0  
drwxr-xr-x 4 root root 33 May 3 23:45 aws  
drwx--x--x 4 root root 28 May 16 07:26 containerd  
drwxr-xr-x 2 dockeradmin dockeradmin 24 May 16 10:25 docker  
drwxr-xr-x 2 root root 6 Aug 16 2018 rh  
[root@docker opt]#  
[root@docker opt]# cd docker/  
[root@docker docker]# ll  
total 4  
-rw-r--r-- 1 dockeradmin dockeradmin 89 May 16 08:59 Dockerfile  
[root@docker docker]#  
[root@docker docker]#
```

Update Jenkins job

Transfers

Transfer Set

Source files ?

Remove prefix ?

Remote directory ?

Optional destination folder.

This folder will be below the one in the global configuration, if present.
The folder will be created if does not exist.

(from [Publish Over SSH](#))

Exec command ?

All of the transfer fields (except for Exec timeout) support substitution of [Jenkins environment variables](#)

Advanced ▾

```
[root@docker docker]# ls
Dockerfile
[root@docker docker]# ls
Dockerfile
[root@docker docker]# ls
Dockerfile
[root@docker docker]# ls
Dockerfile
[root@docker docker]# ls
Dockerfile webapp.war
[root@docker docker]# ls
Dockerfile webapp.war
[root@docker docker]# ls
Dockerfile webapp.war
[root@docker docker]# ls
Dockerfile webapp.war
[root@docker docker]# ls
Dockerfile webapp.war
[root@docker docker]# ls
Dockerfile webapp.war
[root@docker docker]#
```

Update Dockerfile

Copy war file in dockerfile and build docker file create new image.

Create a container for that image

```

[root@docker docker]# cat Dockerfile
FROM tomcat:latest
RUN cp -R /usr/local/tomcat/webapps.dist/* /usr/local/tomcat/webapps
COPY ./*.war /usr/local/tomcat/webapps
[root@docker docker]#
[root@docker docker]# docker build -t tomcat:v1 .
Sending build context to Docker daemon 6.144kB
Step 1/3 : FROM tomcat:latest
--> 5a4ee0c8ccbe
Step 2/3 : RUN cp -R /usr/local/tomcat/webapps.dist/* /usr/local/tomcat/webapps
--> Using cache
--> de1a1dd3ee55
Step 3/3 : COPY ./*.war /usr/local/tomcat/webapps
--> 7293f303bc03
Successfully built 7293f303bc03
Successfully tagged tomcat:v1
[root@docker docker]#
[root@docker docker]# docker images


| REPOSITORY | TAG    | IMAGE ID     | CREATED       | SIZE  |
|------------|--------|--------------|---------------|-------|
| tomcat     | v1     | 7293f303bc03 | 9 seconds ago | 460MB |
| demotomcat | latest | de1a1dd3ee55 | 7 minutes ago | 460MB |
| tomcat     | latest | 5a4ee0c8ccbe | 2 days ago    | 455MB |


[root@docker docker]#
[root@docker docker]#
[root@docker docker]# docker run -dit --name tomcatv1 -p 8086:8080 tomcat:v1
8e8c6442cbf0f3de717cba00b266c1d59015138b8747619cabb29553defc3bea
[root@docker docker]#
[root@docker docker]#
[root@docker docker]# docker ps -a


| CONTAINER ID | IMAGE     | COMMAND           | CREATED       | STATUS       | PORTS                                     | NAMES    |
|--------------|-----------|-------------------|---------------|--------------|-------------------------------------------|----------|
| 8e8c6442cbf0 | tomcat:v1 | "catalina.sh run" | 6 seconds ago | Up 5 seconds | 0.0.0.0:8086->8080/tcp, :::8086->8080/tcp | tomcatv1 |


[root@docker docker]#
[root@docker docker]#

```

Access the webUI

publicip:8086/webapp



Not secure

13.127.203.133:8086/webapp/

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Repeat Password	<input type="text" value="Repeat Password"/>

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