# Lab 9 Deploy war file to Tomcat using Docker

WAR on github:

https://github.com/reposforlabs/wars-to-deploy/raw/main/sample.war

You can use any of them.

**Dockerfile:**

**Method-1: Copy the war file from your linux computer**

Download the war from github:

```
1  wget https://github.com/reposforlabs/wars-to-deploy/raw/main/sample.war
```

Create a Dockerfile

```
1  FROM tomcat:8.0-alpine
2  ADD sample.war /usr/local/tomcat/webapps/
3  EXPOSE 8080
4  CMD ["catalina.sh", "run"]
```

Build Image

```
1  docker build -t tomcat1 .
```

Create Docker Container

```
1  docker run -itd --name container1 -p 8080:8080 tomcat1:latest
```

Access the website:

http://13.79.225.96:8080/

Remove the Container1

```
1  docker stop container1
2  docker rm -f container1
```

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**Method-2: Copy the war file from github directly using URL**

Create a Dockerfile and using ADD command place the URL as SOURCE

```
1  FROM tomcat:8.0-alpine
2  ADD https://github.com/reposforlabs/wars-to-deploy/raw/main/sample.war /usr/local/tomcat/webapps/
3  EXPOSE 8080
4  CMD ["catalina.sh", "run"]
```

Build Image

```
1  docker build -t tomcat2 .
```

Create Docker Container

```
1  docker run -itd --name container2 -p 8080:8080 tomcat2:latest
```

Access the website:

http://13.79.225.96:8080/

Remove the Container2

```
1  docker stop container2
2  docker rm -f container2
```