Docker Compose

Trying With Docker File to deploy war to tomcat

root@ip-172-31-18-205:~/Bootcamp/dockercompose/war-test# docker image build -t sowmya2306tcs/tomcatwar:1.0 .

Sending build context to Docker daemon 131.6kB

Step 1/3 : FROM tomcat:8.0.20-jre8

8.0.20-jre8: Pulling from library/tomcat

a3ed95caeb02: Pull complete

c06482b548c8: Pull complete

954f07d4dc14: Pull complete

0bd71cf3b59f: Pull complete

12d3f8630eca: Pull complete

d6e16c3ae29a: Pull complete

ea9df2460d2a: Pull complete

66a4ea6d102d: Pull complete

2b6aeca0d35e: Pull complete

Digest: sha256:579e042fb31e6975062276489cbdb3d9c942661a1d489f122d29ce2249e2ed34

Status: Downloaded newer image for tomcat:8.0.20-jre8

---> e88a065848be

Step 2/3 : COPY /target/war-test.war /usr/local/tomcat/webapps/myapp.war

---> 0648056aed9d

Step 3/3 : MAINTAINER "sowmya2306@gmail.com"

---> Running in 3e1faab700c7

Removing intermediate container 3e1faab700c7

---> 431ef4552199

Successfully built 431ef4552199

Successfully tagged sowmya2306tcs/tomcatwar:1.0

root@ip-172-31-18-205:~/Bootcamp/dockercompose/war-test# docker image ls

REPOSITORY TAG IMAGE ID CREATED SIZE

sowmya2306tcs/tomcatwar 1.0 431ef4552199 24 seconds ago 493MB

root@ip-172-31-18-205:~/Bootcamp/dockercompose/war-test# docker run -p 9091:9091 -d sowmyatcs2306/tomcatwar:1.0

f75da86eeda3a073af7be11ced8d9734150755c8a4f7f54d1b07bf0b6fdc82c6

root@ip-172-31-18-205:~/Bootcamp/dockercompose/war-test# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

f75da86eeda3 sowmyatcs2306/tomcatwar:1.0 "catalina.sh run" 5 seconds ago Up 3 seconds 8080/tcp, 0.0.0.0:9091->9091/tcp recursing\_swartz

e5f7a3acb57c sowmyatcs2306/springboot:1.0 "java -jar app.jar" 38 minutes ago Up 38 minutes 8080/tcp, 0.0.0.0:9090->9090/tcp eloquent\_nobel

Docker Command to login to container and check the deployed war in tomcat

root@ip-172-31-18-205:~/Bootcamp/dockercompose/war-test# docker container exec -it recursing\_swartz bash

root@f75da86eeda3:/usr/local/tomcat# ls

LICENSE NOTICE RELEASE-NOTES RUNNING.txt bin conf lib logs temp webapps work

root@f75da86eeda3:/usr/local/tomcat# cd webapps/

root@f75da86eeda3:/usr/local/tomcat/webapps# ls

ROOT docs examples host-manager manager myapp myapp.war

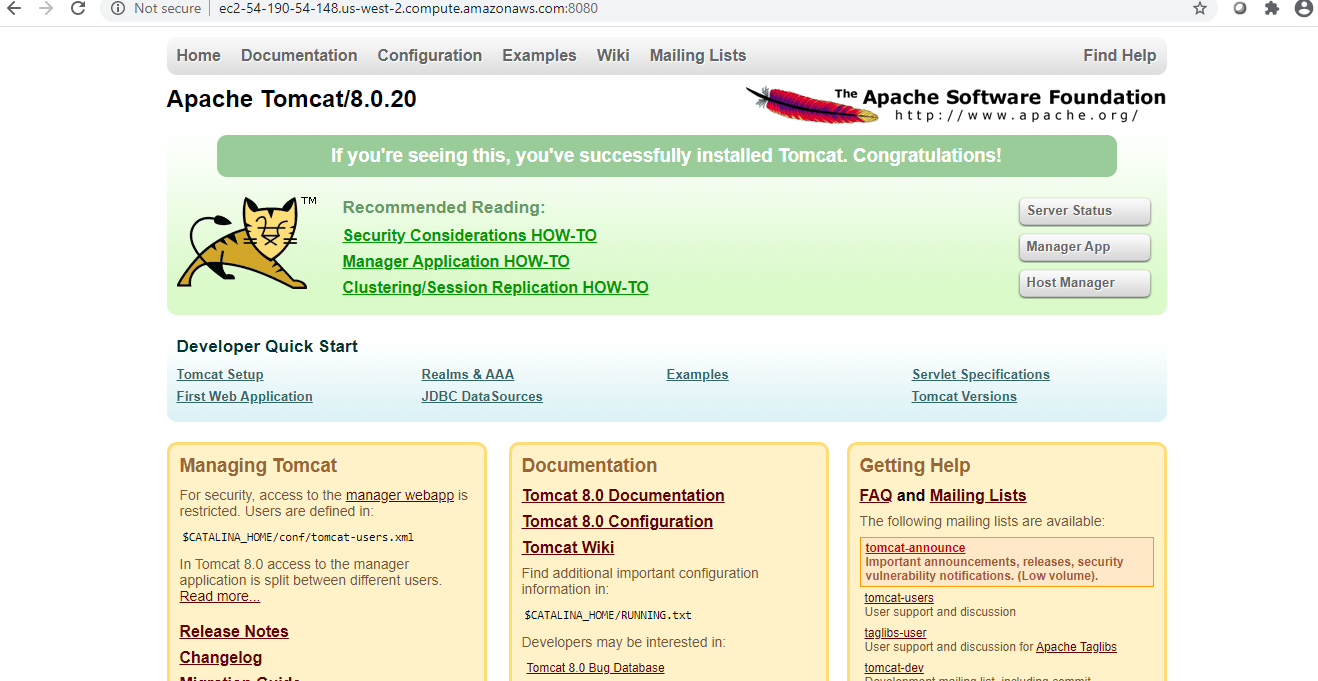
Docker File

FROM tomcat:8.0.20-jre8

COPY /target/war-test.war /usr/local/tomcat/webapps/myapp.war

MAINTAINER [sowmya2306@gmail.com](mailto:sowmya2306@gmail.com)

Output :



Docker Compose

db:

image: mysql:latest

environment:

MYSQL\_ROOT\_PASSWORD: 123

#MYSQL\_DATABASE: sample

#MYSQL\_USER: test\_user

#MYSQL\_PASSWORD: test

web:

image: sowmyatcs2306/tomcatwar:1.0

ports:

- "9092:9092"

ubuntu@ip-172-31-18-205:~$ docker ps

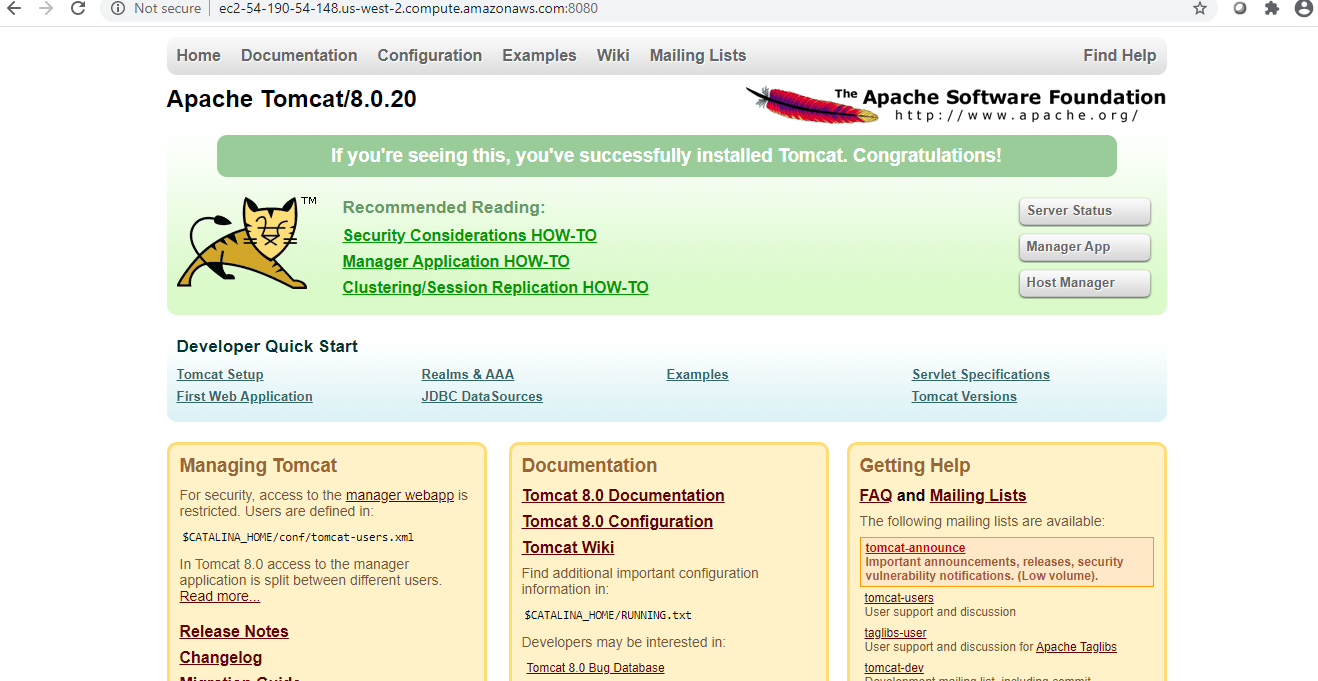
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

3aee035bdaf8 mysql:latest "docker-entrypoint.s…" 27 seconds ago Up 25 seconds 3306/tcp, 33060/tcp dockercompose\_db\_1

cd7fc7e0bcce sowmyatcs2306/tomcatwar:1.0 "catalina.sh run" 31 minutes ago Up 25 seconds 8080/tcp, 0.0.0.0:9092->9092/tcp dockercompose\_web\_1

Curl to war

ubuntu@ip-172-31-18-205:~/Bootcamp/dockercompose$ curl <http://localhost:8080/>



<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<title>Apache Tomcat/8.0.20</title>

<link href="favicon.ico" rel="icon" type="image/x-icon" />

<link href="favicon.ico" rel="shortcut icon" type="image/x-icon" />

<link href="tomcat.css" rel="stylesheet" type="text/css" />

</head>

<body>

<div id="wrapper">

<div id="navigation" class="curved container">

<span id="nav-home"><a href="http://tomcat.apache.org/">Home</a></span>

<span id="nav-hosts"><a href="/docs/">Documentation</a></span>

<span id="nav-config"><a href="/docs/config/">Configuration</a></span>

<span id="nav-examples"><a href="/examples/">Examples</a></span>

<span id="nav-wiki"><a href="http://wiki.apache.org/tomcat/FrontPage">Wiki</a></span>

<span id="nav-lists"><a href="http://tomcat.apache.org/lists.html">Mailing Lists</a></span>

<span id="nav-help"><a href="http://tomcat.apache.org/findhelp.html">Find Help</a></span>

<br class="separator" />

</div>

<div id="asf-box">

<h1>Apache Tomcat/8.0.20</h1>

</div>

<div id="upper" class="curved container">

<div id="congrats" class="curved container">

<h2>If you're seeing this, you've successfully installed Tomcat. Congratulations!</h2>

</div>

<div id="notice">

<img src="tomcat.png" alt="[tomcat logo]" />

<div id="tasks">

<h3>Recommended Reading:</h3>

<h4><a href="/docs/security-howto.html">Security Considerations HOW-TO</a></h4>

<h4><a href="/docs/manager-howto.html">Manager Application HOW-TO</a></h4>

<h4><a href="/docs/cluster-howto.html">Clustering/Session Replication HOW-TO</a></h4>

</div>

</div>

<div id="actions">

<div class="button">

<a class="container shadow" href="/manager/status"><span>Server Status</span></a>

</div>

<div class="button">

<a class="container shadow" href="/manager/html"><span>Manager App</span></a>

</div>

<div class="button">

<a class="container shadow" href="/host-manager/html"><span>Host Manager</span></a>

</div>

</div>

<!--

<br class="separator" />

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<br class="separator" />

</div>

<div id="middle" class="curved container">

<h3>Developer Quick Start</h3>

<div class="col25">

<div class="container">

<p><a href="/docs/setup.html">Tomcat Setup</a></p>

<p><a href="/docs/appdev/">First Web Application</a></p>

</div>

</div>

<div class="col25">

<div class="container">

<p><a href="/docs/realm-howto.html">Realms &amp; AAA</a></p>

<p><a href="/docs/jndi-datasource-examples-howto.html">JDBC DataSources</a></p>

</div>

</div>

<div class="col25">

<div class="container">

<p><a href="/examples/">Examples</a></p>

</div>

</div>

<div class="col25">

<div class="container">

<p><a href="http://wiki.apache.org/tomcat/Specifications">Servlet Specifications</a></p>

<p><a href="http://wiki.apache.org/tomcat/TomcatVersions">Tomcat Versions</a></p>

</div>

</div>

<br class="separator" />

</div>

<div id="lower">

<div id="low-manage" class="">

<div class="curved container">

<h3>Managing Tomcat</h3>

<p>For security, access to the <a href="/manager/html">manager webapp</a> is restricted.

Users are defined in:</p>

<pre>$CATALINA\_HOME/conf/tomcat-users.xml</pre>

<p>In Tomcat 8.0 access to the manager application is split between

different users. &nbsp; <a href="/docs/manager-howto.html">Read more...</a></p>

<br />

<h4><a href="/docs/RELEASE-NOTES.txt">Release Notes</a></h4>

<h4><a href="/docs/changelog.html">Changelog</a></h4>

<h4><a href="http://tomcat.apache.org/migration.html">Migration Guide</a></h4>

<h4><a href="http://tomcat.apache.org/security.html">Security Notices</a></h4>

</div>

</div>

<div id="low-docs" class="">

<div class="curved container">

<h3>Documentation</h3>

<h4><a href="/docs/">Tomcat 8.0 Documentation</a></h4>

<h4><a href="/docs/config/">Tomcat 8.0 Configuration</a></h4>

<h4><a href="http://wiki.apache.org/tomcat/FrontPage">Tomcat Wiki</a></h4>

<p>Find additional important configuration information in:</p>

<pre>$CATALINA\_HOME/RUNNING.txt</pre>

<p>Developers may be interested in:</p>

<ul>

<li><a href="http://tomcat.apache.org/bugreport.html">Tomcat 8.0 Bug Database</a></li>

<li><a href="/docs/api/index.html">Tomcat 8.0 JavaDocs</a></li>

<li><a href="http://svn.apache.org/repos/asf/tomcat/tc8.0.x/">Tomcat 8.0 SVN Repository</a></li>

</ul>

</div>

</div>

<div id="low-help" class="">

<div class="curved container">

<h3>Getting Help</h3>

<h4><a href="http://tomcat.apache.org/faq/">FAQ</a> and <a href="http://tomcat.apache.org/lists.html">Mailing Lists</a></h4>

<p>The following mailing lists are available:</p>

<ul>

<li id="list-announce"><strong><a href="http://tomcat.apache.org/lists.html#tomcat-announce">tomcat-announce</a><br />

Important announcements, releases, security vulnerability notifications. (Low volume).</strong>

</li>

<li><a href="http://tomcat.apache.org/lists.html#tomcat-users">tomcat-users</a><br />

User support and discussion

</li>

<li><a href="http://tomcat.apache.org/lists.html#taglibs-user">taglibs-user</a><br />

User support and discussion for <a href="http://tomcat.apache.org/taglibs/">Apache Taglibs</a>

</li>

<li><a href="http://tomcat.apache.org/lists.html#tomcat-dev">tomcat-dev</a><br />

Development mailing list, including commit messages

</li>

</ul>

</div>

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<br class="separator" />

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<div id="footer" class="curved container">

<div class="col20">

<div class="container">

<h4>Other Downloads</h4>

<ul>

<li><a href="http://tomcat.apache.org/download-connectors.cgi">Tomcat Connectors</a></li>

<li><a href="http://tomcat.apache.org/download-native.cgi">Tomcat Native</a></li>

<li><a href="http://tomcat.apache.org/taglibs/">Taglibs</a></li>

<li><a href="/docs/deployer-howto.html">Deployer</a></li>

</ul>

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<div class="col20">

<div class="container">

<h4>Other Documentation</h4>

<ul>

<li><a href="http://tomcat.apache.org/connectors-doc/">Tomcat Connectors</a></li>

<li><a href="http://tomcat.apache.org/connectors-doc/">mod\_jk Documentation</a></li>

<li><a href="http://tomcat.apache.org/native-doc/">Tomcat Native</a></li>

<li><a href="/docs/deployer-howto.html">Deployer</a></li>

</ul>

</div>

</div>

<div class="col20">

<div class="container">

<h4>Get Involved</h4>

<ul>

<li><a href="http://tomcat.apache.org/getinvolved.html">Overview</a></li>

<li><a href="http://tomcat.apache.org/svn.html">SVN Repositories</a></li>

<li><a href="http://tomcat.apache.org/lists.html">Mailing Lists</a></li>

<li><a href="http://wiki.apache.org/tomcat/FrontPage">Wiki</a></li>

</ul>

</div>

</div>

<div class="col20">

<div class="container">

<h4>Miscellaneous</h4>

<ul>

<li><a href="http://tomcat.apache.org/contact.html">Contact</a></li>

<li><a href="http://tomcat.apache.org/legal.html">Legal</a></li>

<li><a href="http://www.apache.org/foundation/sponsorship.html">Sponsorship</a></li>

<li><a href="http://www.apache.org/foundation/thanks.html">Thanks</a></li>

</ul>

</div>

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<div class="col20">

<div class="container">

<h4>Apache Software Foundation</h4>

<ul>

<li><a href="http://tomcat.apache.org/whoweare.html">Who We Are</a></li>

<li><a href="http://tomcat.apache.org/heritage.html">Heritage</a></li>

<li><a href="http://www.apache.org">Apache Home</a></li>

<li><a href="http://tomcat.apache.org/resources.html">Resources</a></li>

</ul>

</div>

</div>

<br class="separator" />

</div>

<p class="copyright">Copyright &copy;1999-2020 Apache Software Foundation. All Rights Reserved</p>

</div>

</body>

</html>