lab2 solution:

In this directory there is a Dockerfile.

To build the image:

> docker build -t tomcat8-lab2 .

Sending build context to Docker daemon 22.02kB

Step 1/5 : from tomcat:8.0

8.0: Pulling from library/tomcat

d660b1f15b9b: Pull complete

46dde23c37b3: Pull complete

ac5ffaa94f61: Pull complete

f7e9f30394f5: Pull complete

3ae3a41d5873: Pull complete

8eea330fdc65: Pull complete

d051bc095250: Pull complete

d4f397a5ced6: Pull complete

8b01e0b079d4: Pull complete

e63b68df2293: Pull complete

e045242e6369: Pull complete

Digest: sha256:af34b623b0920d4f4737d7c9db9df1f92c8372626af5a30685d8cff351e0e8b5

Status: Downloaded newer image for tomcat:8.0

---> 5c4bd237605a

Step 2/5 : copy server.xml /usr/local/tomcat/conf/

---> e9c4d6a26ba6

Step 3/5 : copy ssl.crt /usr/local/tomcat/conf/ssl.crt

---> 5adc7189b007

Step 4/5 : copy ssl.key /usr/local/tomcat/conf/ssl.key

---> 494feb4040ec

Step 5/5 : EXPOSE 8443

---> Running in b603f325291a

Removing intermediate container b603f325291a

---> 1e93388e3ef3

Successfully built 1e93388e3ef3

Successfully tagged tomcat8-lab2:latest

SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.

List image:

> docker image ls

REPOSITORY TAG IMAGE ID CREATED SIZE

tomcat8-lab2 latest 1e93388e3ef3 3 minutes ago 356MB

tomcat 8.0 5c4bd237605a 2 days ago 356MB

hello-world latest 2cb0d9787c4d 3 weeks ago 1.85kB

Run the image:

> docker run -d -p8080:8080 -p8443:

8443 tomcat8-lab2

1c2731ba5c3eb9302e5a42c1294e6333f79df596839d03d0f0fba064796f7f26

> docker container ls

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

1c2731ba5c3e tomcat8-lab2 "catalina.sh run" 17 seconds ago Up 8 seconds 0.0.0.0:8080->8080/tcp, 0.0.0.0:8443->8443/tcp musing\_torvalds

>

> curl http://localhost:8080

StatusCode : 200

StatusDescription : OK

Content :

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<title>Apache Tomcat/8.0.53</title>

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

<...

RawContent : HTTP/1.1 200 OK

Transfer-Encoding: chunked

Content-Type: text/html;charset=UTF-8

Date: Thu, 02 Aug 2018 18:39:08 GMT

Server: Apache-Coyote/1.1

<!DOCTYPE html>

<html lang="en">

<head>

...

Forms : {}

Headers : {[Transfer-Encoding, chunked], [Content-Type, text/html;charset=UTF-8], [Date, Thu, 02 Aug 2018

18:39:08 GMT], [Server, Apache-Coyote/1.1]}

Images : {@{innerHTML=; innerText=; outerHTML=<IMG alt="[tomcat logo]" src="tomcat.png">; outerText=;

tagName=IMG; alt=[tomcat logo]; src=tomcat.png}}

InputFields : {}

Links : {@{innerHTML=Home; innerText=Home; outerHTML=<A href="https://tomcat.apache.org/">Home</A>;

outerText=Home; tagName=A; href=https://tomcat.apache.org/}, @{innerHTML=Documentation;

innerText=Documentation; outerHTML=<A href="/docs/">Documentation</A>; outerText=Documentation;

tagName=A; href=/docs/}, @{innerHTML=Configuration; innerText=Configuration; outerHTML=<A

href="/docs/config/">Configuration</A>; outerText=Configuration; tagName=A; href=/docs/config/},

@{innerHTML=Examples; innerText=Examples; outerHTML=<A href="/examples/">Examples</A>;

outerText=Examples; tagName=A; href=/examples/}...}

ParsedHtml : mshtml.HTMLDocumentClass

RawContentLength : 11266

>



