

Creacion Dockerfile de Tomcat

```
GNU nano 6.2 Dockerfile
FROM tomcat:9.0

Label maintainer="isaacnacimba@gmail.com"

ADD ./sample.war /usr/local/tomcat/webapps/sample.war
```

Creacion de Dockerfile de nginx

```
GNU nano 6.2 Dockerfile
FROM nginx

ADD ./default.conf /etc/nginx/conf.d/default.conf

EXPOSE 80
```

Creacion imagen Dockerfile

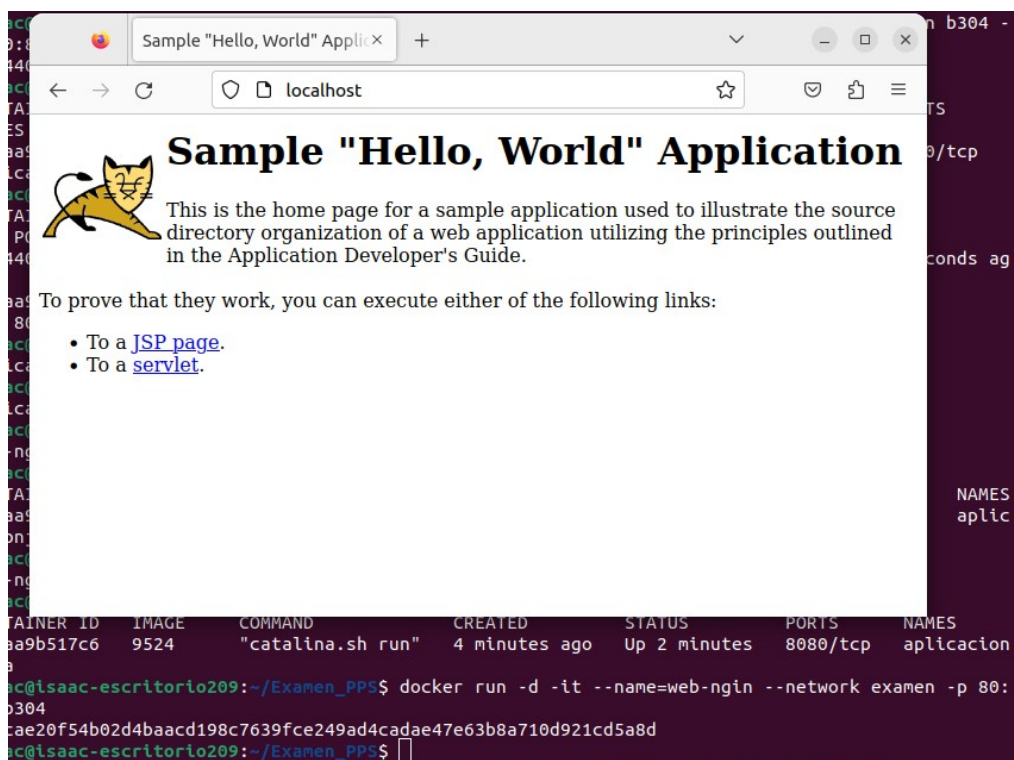
```
isaac@isaac-escritorio209:~/Examen_PPS$ nano nginx/Dockerfile
isaac@isaac-escritorio209:~/Examen_PPS$ docker build tomcat/
Sending build context to Docker daemon 8.704kB
Step 1/3 : FROM tomcat:9.0
--> b07e16b11088
Step 2/3 : Label maintainer="isaacnacimba@gmail.com"
--> Using cache
--> 12a5978b5094
Step 3/3 : ADD ./sample.war /usr/local/tomcat/webapps/sample.war
--> Using cache
--> 9524492a8145
Successfully built 9524492a8145
isaac@isaac-escritorio209:~/Examen_PPS$ docker build nginx/
Sending build context to Docker daemon 3.072kB
Step 1/2 : FROM nginx
--> a99a39d070bf
Step 2/2 : ADD ./default.conf /etc/nginx/conf.d/default.conf
--> Using cache
--> b30484cb5dd5
Successfully built b30484cb5dd5
isaac@isaac-escritorio209:~/Examen_PPS$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
```

Lanzamiento de contenedor Tomcat

Lanzamiento de contenedor Nginx

```
isaac@isaac-escritorio209:~/Examen_PPS$ docker run -d -it --name=aplicacionjava --network examen 9524
af3aa9b517c648152e1a47c1d4007e892b79c27a0b57a083b5cb9aa8d7e090
isaac@isaac-escritorio209:~/Examen_PPS$ docker run -d -it --name=web-nginx --network examen b304 -
p 80:80
920440b92e2f056d9fe2618fdc6a53308ab1e08b1c6e2617d4041f2c7a42b9b0
isaac@isaac-escritorio209:~/Examen_PPS$ docker ps
```

Comprobación de funcionamiento



The screenshot shows a web browser window with the title "Sample 'Hello, World' Application". The address bar shows "localhost". The page content includes a yellow cat icon, the title "Sample 'Hello, World' Application", and a paragraph: "This is the home page for a sample application used to illustrate the source directory organization of a web application utilizing the principles outlined in the Application Developer's Guide." Below this, it says "To prove that they work, you can execute either of the following links:" followed by two bullet points: "• To a [JSP page](#)." and "• To a [servlet](#)."

In the background, a terminal window shows the following output:

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
aa9b517c6	9524	"catalina.sh run"	4 minutes ago	Up 2 minutes	8080/tcp	aplicacion

The terminal also shows the command to run the Nginx container: `isaac@isaac-escritorio209:~/Examen_PPS$ docker run -d -it --name=web-nginx --network examen -p 80:80`