

Ejemplo de aplicación Docker Scala

Docker nos permite ejecutar la aplicación Scala. Aquí, estamos creando un archivo Scala y ejecutándolo usando la ventana acoplable. Este ejemplo incluye los siguientes pasos.

1. Cree un directorio para organizar los archivos de la aplicación.

1. \$ mkdir scala-docker-app

```
root@irfan-GB-BXBT-2807: /home/docker
root@irfan-GB-BXBT-2807:/home/docker# mkdir scala-docker-app
```

2. Cambiar directorio de trabajo

1. \$ cd scala-docker-app

```
root@irfan-GB-BXBT-2807: /home/docker/scala-docker-app
root@irfan-GB-BXBT-2807:/home/docker# mkdir scala-docker-app
root@irfan-GB-BXBT-2807:/home/docker# cd scala-docker-app/
root@irfan-GB-BXBT-2807:/home/docker/scala-docker-app#
```

3. Crear un Dockerfile

// Dockerfile

```

FROM williamyeh/java7
MAINTAINER William Yeh <william.pjyeh@gmail.com>
ENV SCALA_VERSION 2.10.4
ENV SCALA_TARBALL http://www.scala-lang.org/files/archive/scala-$SCALA_VERSION.deb
RUN \
echo "==> Install curl helper tool..."&& \
apt-get update && \
DEBIAN_FRONTEND=noninteractive apt-get install -y --force-yes curl && \
\
\
\
echo "==> install from Typesafe repo (contains old versions but they have all dependencies we need later on)"&& \
curl -sSL http://apt.typesafe.com/repo-deb-build-0002.deb -o repo-deb.deb && \
dpkg -i repo-deb.deb && \
apt-get update && \
\
\
\
echo "==> install Scala"&& \
DEBIAN_FRONTEND=noninteractive \
apt-get install -y --force-yes libjansi-java && \
curl -sSL $SCALA_TARBALL -o scala.deb && \
dpkg -i scala.deb && \
\
\
\
echo "==> clean up..."&& \
rm -f *.deb && \
apt-get remove -y --auto-remove curl && \
apt-get clean && \
rm -rf /var/lib/apt/lists/*
COPY . /root
WORKDIR /root
Run scalac index.scala

```

1. Crea un archivo Scala

// index.scala

```

object MainObject{
  def main(args:Array[String]){
    println("Hello by Scala");
  }
}

```

1. Crear una imagen de Docker

Ahora, estamos creando una imagen de Docker de esta aplicación Scala. El siguiente comando se usa para crear una imagen de Docker.

1. \$ docker build -t scala-app.

```
root@irfan-GB-BXBT-2807: /home/docker/scala-docker-app
root@irfan-GB-BXBT-2807:/home/docker/scala-docker-app# docker build -t scala-app .
Sending build context to Docker daemon 3.584 kB
Step 1/9 : FROM williamyeh/java7
latest: Pulling from williamyeh/java7
cd0a524342ef: Already exists
e76714c51132: Pull complete
Digest: sha256:596803ddbaf6cd25a66b18cf2603f792dd11de66e3f539a162ff557068dda8
Status: Downloaded newer image for williamyeh/java7:latest
--> 23dbf232cb0e
Step 2/9 : MAINTAINER William Yeh <william.pjyeh@gmail.com>
--> Running in 64a0120404e9
--> c79e7028709a
Removing intermediate container 64a0120404e9
Step 3/9 : ENV SCALA_VERSION 2.10.4
--> Running in 49887a407453
--> 4f6c58aa364a
Removing intermediate container 49887a407453
Step 4/9 : ENV SCALA_TARBALL http://www.scala-lang.org/files/archive/scala-$SCALA_VERSION.deb
--> Running in f22a236fbbf0
--> 3f571e87dd3c
Removing intermediate container f22a236fbbf0
Step 5/9 : RUN echo "=== Install curl helper tool..." && apt-get update && DEBIAN_FRONTEND=non
cho "=== install from Typesafe repo (contains old versions but they have all dependencies we need)
po-deb-build-0002.deb -o repo-deb.deb && dpkg -i repo-deb.deb && apt-get update && echo "=== Install
t-get install -y --force-yes libjansi-java && curl -sSL $SCALA_TARBALL -o scala.deb && dpkg -i
&& apt-get remove -y --auto-remove curl && apt-get clean && rm -rf /var/lib/apt/lists/*
--> Running in f097783e0d10
```

1. Ejecutar la imagen de Scala Docker

docker run scala-app

```
root@irfan-GB-BXBT-2807: /home/docker/scala-docker-app
root@irfan-GB-BXBT-2807:/home/docker/scala-docker-app# docker run scala-app
Hello by Scala
root@irfan-GB-BXBT-2807:/home/docker/scala-docker-app#
```