Docker Version



$ docker version



root@arjun-VPCEH26EN:~# docker version

Client:

Version: 17.05.0-ce

API version: 1.29

Go version: go1.7.5

Git commit: 89658be

Built: Thu May 4 22:10:54 2017

OS/Arch: linux/amd64

Server:

Version: 17.05.0-ce

API version: 1.29 (minimum version 1.12)

Go version: go1.7.5

Git commit: 89658be

Built: Thu May 4 22:10:54 2017

OS/Arch: linux/amd64

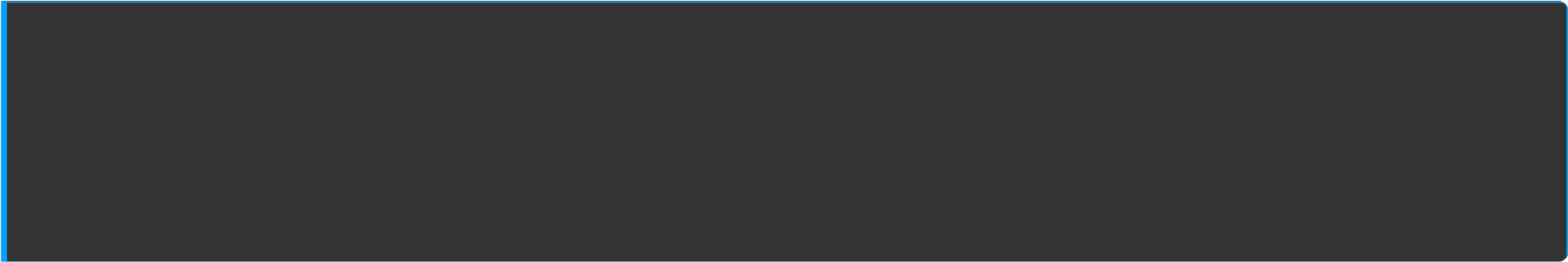
Experimental: false

# Docker Image Commands

List all Docker Images $ docker images

root@arjun-VPCEH26EN:~# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE python latest 26acbad26a2c 5 days ago 690MB java 8 d23bdf5b1b1b 8 months ago 643MB hello-world latest c54a2cc56cbb 14 months ago 1.85kB



Create a Docker Image

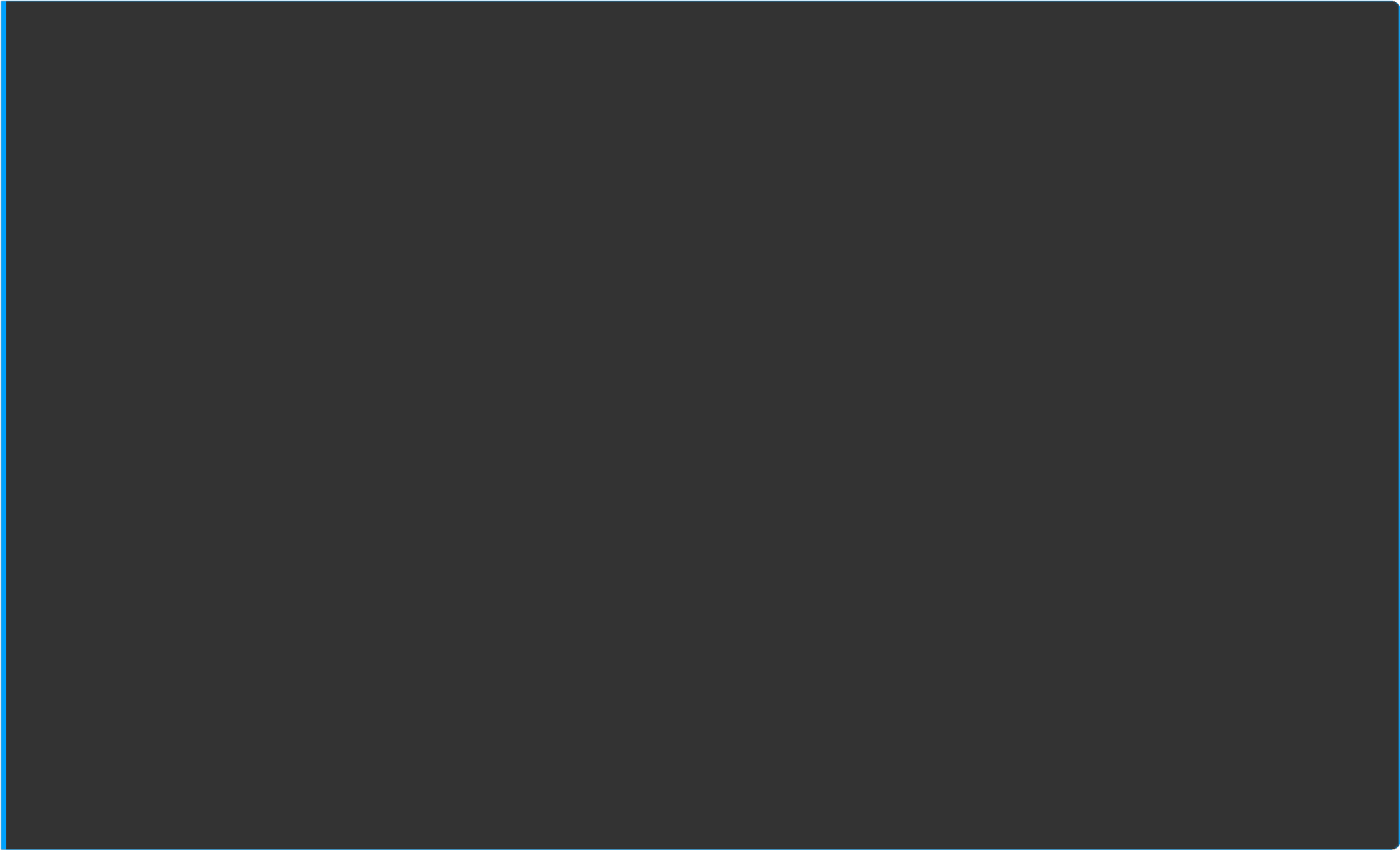


$ docker build -t <application\_name> .

The directory should contain Dockerfile, from which you are running the command in Terminal.

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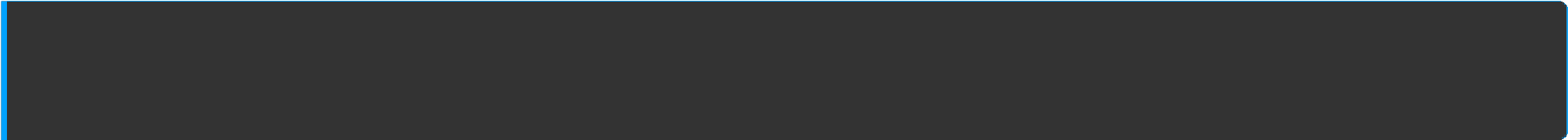
root@arjun-VPCEH26EN:/home/arjun/workspace/docker/java-application# docker build -t javaSending build context to Docker daemon 3.072kB



Run a Docker image



$ docker run <docker\_image\_name>



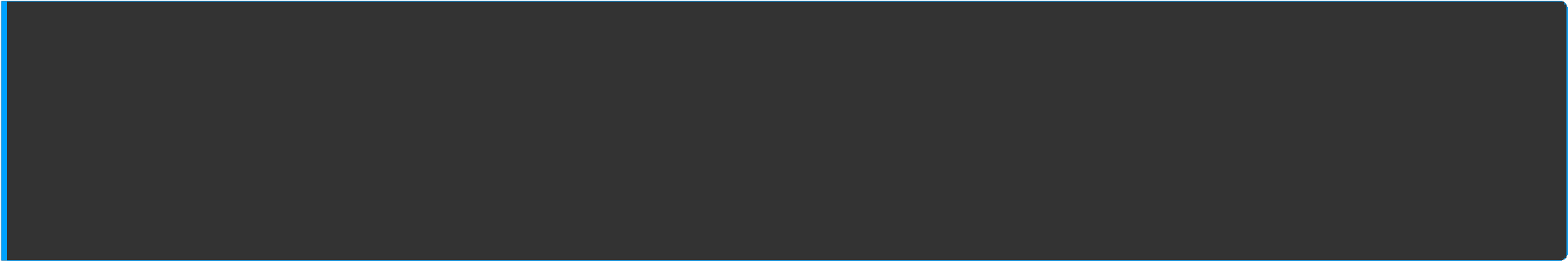
root@arjun-VPCEH26EN:~# docker run java-application

HelloWorld from Java Application running in Docker.

Save Docker Image to .tar file



$ docker save -o <complete\_tar\_file\_path> <docker\_image\_name>



root@arjun-VPCEH26EN:~# docker save -o /home/arjun/java-application.tar java-application

root@arjun-VPCEH26EN:~# cd /home/arjun/

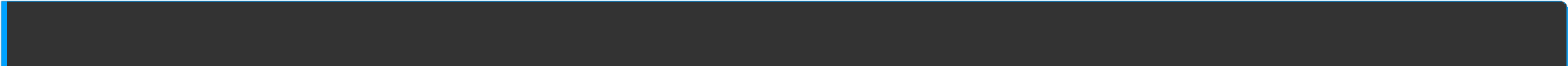
root@arjun-VPCEH26EN:/home/arjun# ls java-appl\*

java-application.tar

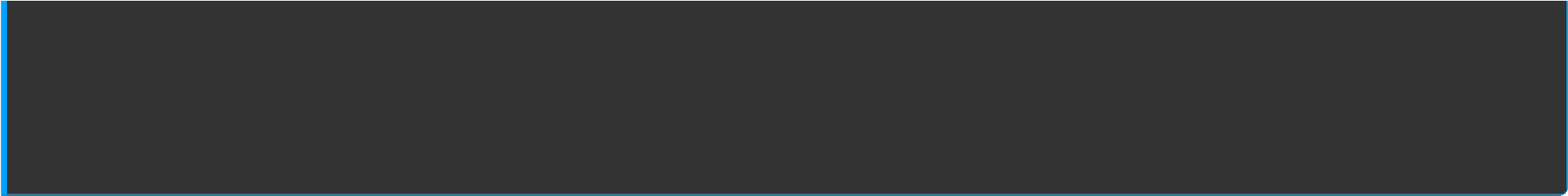
Remove a Docker image



$ docker rmi <docker\_image\_id>

When you list the docker images, you get the image id under IMAGE ID column. root@arjun-VPCEH26EN:/home/arjun# docker rmi java-application root@arjun-VPCEH26EN:/home/arjun# docker rmi java-application

Untagged: java-application:latest

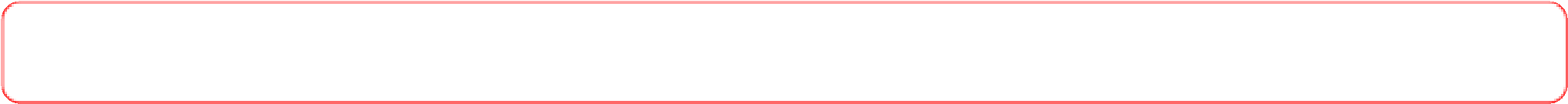
Deleted: sha256:0be5de5c6f51ffceb18078c42d6e11d94cf844ac1e06841c9bf993a9718cc325

Deleted: sha256:7b122f46772561d5ccd27c5d5a9524c9de4071f3a22234fb2eaa709d42e874b8

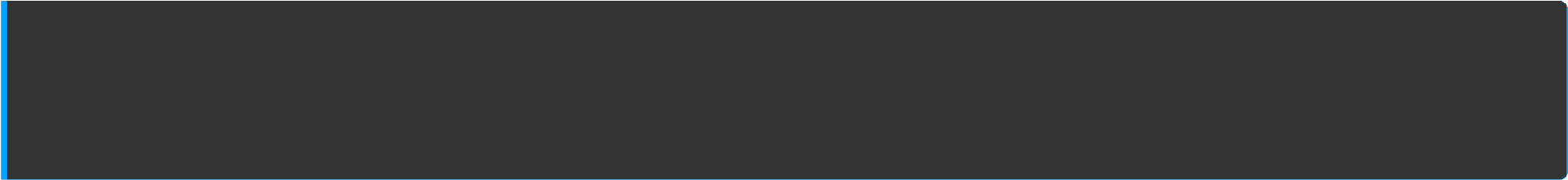
Deleted: sha256:2de3fc280f40633a189f24c154faa7c136ba8afbffb9238b8342f06b8bb5d461

# Docker Container Commands

Show Running Containers



$ docker ps



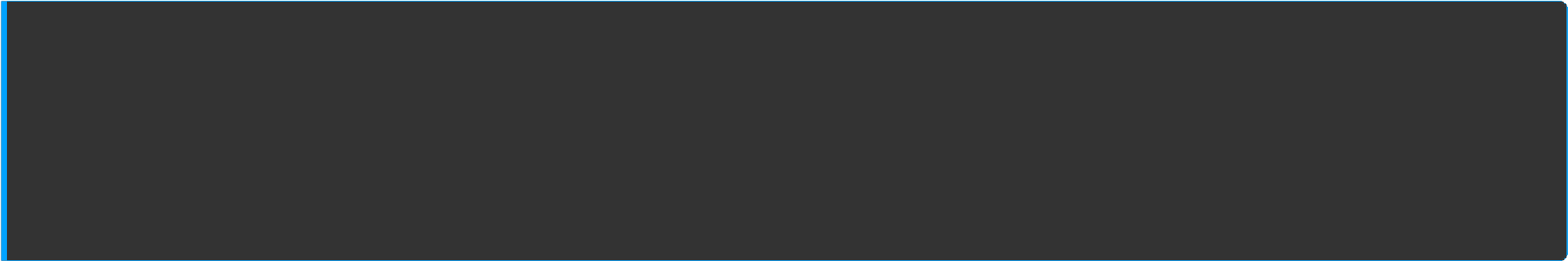
root@arjun-VPCEH26EN:~# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS

Show All Containers $ docker ps -a

root@arjun-VPCEH26EN:~# docker ps -a

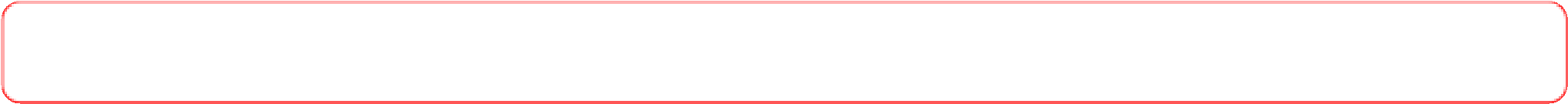
CONTAINER ID IMAGE COMMAND CREATED STATUS



743.6.033ea0 java-application "java HelloWorld" 2 minutes ago Exited (0

3b76a109a28f java-application "java HelloWorld" 5 minutes ago Exited (0

Show Latest Created Container



$ docker ps -l



root@arjun-VPCEH26EN:~# docker ps -l

CONTAINER ID IMAGE COMMAND CREATED STATUS

743.6.033ea0

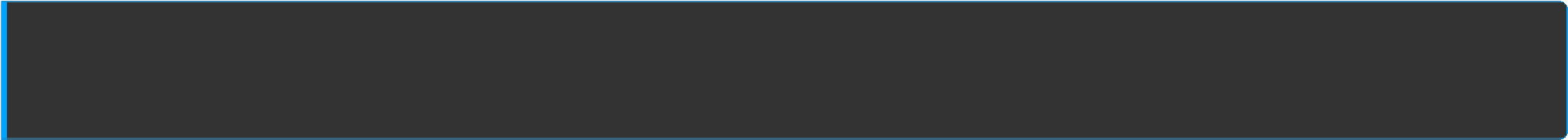
java-application "java HelloWorld" 4 minutes ago Exited

(0

Stop Container



$ docker stop <container\_id>



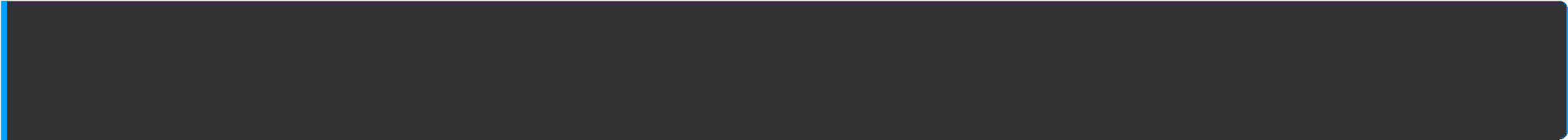
root@arjun-VPCEH26EN:/home/arjun# docker stop 743.6.033ea0

743.6.033ea0

Remove Container



$ docker rm <container\_id>



root@arjun-VPCEH26EN:/home/arjun# docker rm 743.6.033ea0

743.6.033ea0