MuleSoft

Docker

**Introduction**

The purpose of the document is to explain the steps you need to do to “dockerize” MuleSoft. The instruction will be using Mac OS

**Requirements**

-Docker installation based on SO. Download from <https://www.docker.com/>

-Download **mule-enterprise-standalone-4.2.1.zip** with their licence

-Docker file download from Appendix of this document

**Procedure**

-Install docker in your machine

-Download Mule Enterprise Standalone Software

-Create a folder “mule-runtime-container”

-Copy mule-enterprise-standalone-4.2.1.zip into “mule-runtime-container”

-Open a Terminal and inside the folder type the next command: “touch Dockerfile”

-Open the Dockerfile created and copy the content of the appendix

-Run from terminal the next command: Docker build -t "mule-runtime-4.2.1:1.0.1" . (don't forget the “dot” at the end)

-docker run -d -p 8081:8081 -v /Users/psagarna/Google\ Drive/soft/mule-runtime-container/mule-root/logs:/opt/mule/logs --name mule-runtime-4.2.1 mule-runtime-4.2.1:1.0.1

-run -d -p 8083:8083 -v /Users/psagarna/desa/mule-runtime-container/mule-root/logs3:/opt/mule/logs --name dk3-mule mule-runtime-4.2.1:1.0.1

-docker exec -it mule-runtime-4.2.1 /opt/mule/bin/amc\_setup -H 9ea927f1-12be-4566-8d9a-fb08b897c548---205038 mule-runtime-4.2.1

-docker restart mule-runtime-4.2.1

APPENDIX

Dockerfile

# Dockerizing Mule EE

# Version: 0.1

# Based on: openjdk

FROM openjdk:8

MAINTAINER Pablo Sagarna <pablo.sagarna@mulesoft.com>

# MuleEE installation:

ENV MULE\_FILE\_NAME=mule-enterprise-standalone-4.2.1

ENV MULE\_VERSION=4.2.1

COPY ./$MULE\_FILE\_NAME.zip /opt/

WORKDIR /opt

RUN unzip /opt/$MULE\_FILE\_NAME.zip

RUN rm -f /opt/$MULE\_FILE\_NAME.zip

RUN mv $MULE\_FILE\_NAME mule

WORKDIR /opt/mule

# Configure external access:

# HTTPS Port for Anypoint Platform communication

EXPOSE 443

# Mule remote debugger

EXPOSE 5000

# Mule JMX port (must match Mule config file)

EXPOSE 1098

# Mule Cluster ports

EXPOSE 5701

EXPOSE 54327

# HTTP Service Port

EXPOSE 8081

# HTTP Service Port

EXPOSE 8082

# HTTP Service Port

EXPOSE 8083

# HTTP Service Port

EXPOSE 8084

# HTTP Service Port

EXPOSE 8085

# HTTP Service Port

EXPOSE 8086

# HTTPS Service Port

EXPOSE 8091

CMD ["/opt/mule/bin/mule", "-M-Dmule.agent.enabled=false"]