Release E - Debug

When following the instructions in the Run in Docker, sometimes errors can happened. This page tries to provide some hints of how to solve some errors.

- Log collection
- Did the A1 Policy Management Service start correctly?
 Volume not mounted properly

Log collection

In order to collect logs from each service you can use the following command:

```
docker exec <container_name> cat <log_path>
```

Below there is a list with the container names follow by the log path, to replace the values in the command above. The container names correspond to the names used in the example Run page, to double check that the you are using the same names in your environment, you could use docker ps.

policy-agent-container="/var/log/policy-agent/application.log"

enrichment-service-container="/var/log/enrichment-coordinator-service/application.log"

nonrtric-control-panel="/logs/nonrtric-controlpanel.log"

nonrtric-gateway="/var/log/nonrtric-gateway/application.log"

The below command can be used to check if there is any error in the logs, in this case for me policy-agent-container, but it could be check for every other container.

docker exec policy-agent-container grep ERR /var/log/policy-agent/application.log

Warning can be also checked, using WARN instead or ERR in the command above.

If using SDNC controller, logs can be seen using the following command:

docker exec alcontroller sh -c "tail -f /opt/opendaylight/data/log/karaf.log"

where a1controller is the name of the container and the path of the log is /opt/opendaylight/data/log/karaf.log

Did the A1 Policy Management Service start correctly?

Volume not mounted properly

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2021-10-29 07:23:04.878 DEBUG 1 --- [parallel-2] o.o.c.o.a.dmaap.DmaapMessageConsumer : InfiniteFlux.onRequest 1 2021-10-29 07:23:04.879 DEBUG 1 --- [parallel-2] o.o.c.o.a.dmaap.DmaapMessageConsumer : fetchFromDmaap, no action DMAAP not configured

To be sure that the configuration file was mount properly execute the follow command:

\$ docker inspect -f '{{ json .Mounts }}' policy-agent-container | jq

The output below shows when the file was not properly mounted:

```
{
    "Type": "volume",
    "Name": "f85d0d2c9c11dc9cd9cb20e6658711442fbd326ac8805ba2e5aa77d1c80af785",
    "Source": "/var/lib/docker/volumes/f85d0d2c9c11dc9cd9cb20e6658711442fbd326ac8805ba2e5aa77d1c80af785/_data",
    "Destination": ":/opt/app/policy-agent/data/application_configuration.json",
    "Driver": "local",
    "Mode": "",
    "RW": true,
    "Propagation": ""
}
```

When the file is mount correctly the output must look like this:

```
$ docker inspect -f '{{ json .Mounts }}' policy-agent-container | jq
[
{
    "Type": "bind",
    "Source": "/home/ychacon/repo/onap/ccsdk/oran/a1-policy-management/config/application_configuration.json",
    "Destination": "/opt/app/policy-agent/data/application_configuration.json",
    "Mode": "",
    "RW": true,
    "Propagation": "rprivate"
}
```

where the source should specify the absolute path of the file.

Remember that when you start the container with the command below, you need to replace "<absolute-path-to-file>" with the the path to the created configuration file in the command.

```
docker run --rm -v <absolute-path-to-file>/application_configuration.json:/opt/app/policy-agent/data
/application_configuration.json -p 8081:8081 -p 8433:8433 --network=nonrtric-docker-net --name=policy-agent-
container nexus3.o-ran-sc.org:10002/o-ran-sc/nonrtric-policy-agent:2.3.0
```