Docker Installer

For Cavisson Agents

Table of Content

Prerequisite & Installation

End-to-End Performance Monitoring

POC Requirements

1. Outbound connectivity to wss://10.160.24.162:443/ from all POC servers.

Application Agent Pod Deployment Steps

Following are the steps to deploy the application agent pod.

Modify Application Docker Image

1. Download the agent package

```
wget https://nde.cav-test.com/HUB/netdiagnostics.4.11.0.118.tar.gz --no-check-certificate
```

Note: (Above downloaded file should be present in the directory where the application docker file exist.) Next below processes will be repeated for each image.

2. Create ndsettings.conf file and specify the below configuration (this file should be created in the directory where the application docker file exists).

```
tier=DXPTier
ndcHost=10.160.24.162
ndcPort=443
NDC_COMM_PROTOCOL=WSS,WS,TCP
```

Note: Tier Name should be a name that defines services running in the pod ('nginx' for nginx service). 'ndcHost' is the domain name or IP address of the cavisson server.

3. Copy the agent package at the path where your application docker file exists. Append your application docker file with the following lines.

```
RUN mkdir -p /opt/cavisson/netdiagnostics
ADD netdiagnostics. 4.11.0.118.tar.gz /opt/cavisson/netdiagnostics
COPY ndsettings.conf /opt/cavisson/netdiagnostics/config/
```

4. Modify the application's JVM arguments with the following application agent's arguments, you can also refer to the below snap for directory changes:

```
-
javaagent:/opt/cavisson/netdiagnostics/lib/ndmain.jar=time,ndAgentJar=/opt/cavisson/netdiagnostics/lib/ndagent-with-dep.jar,ndHome=/opt/cavisson/netdiagnostics
```

5. Build the application docker image using 'docker build' command.
6. Now deploy this image.

Notes:

- The number of steps for monitoring the instances depends upon the number of images.
- The existing PV directory can be used for agent setup.
- Only root/application owner privilege will work for Docker.
- If users need to change the directory path instead of **/opt**, they need to change the directory path at the place of **/opt.**

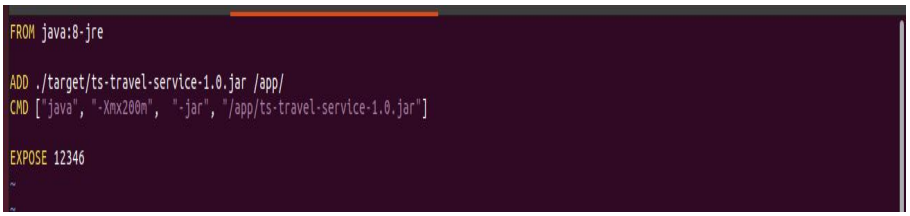

Figure 1: Sample Docker File (Without Agent)

Figure 2: Default Directory Standard for Cavisson (With Agent)

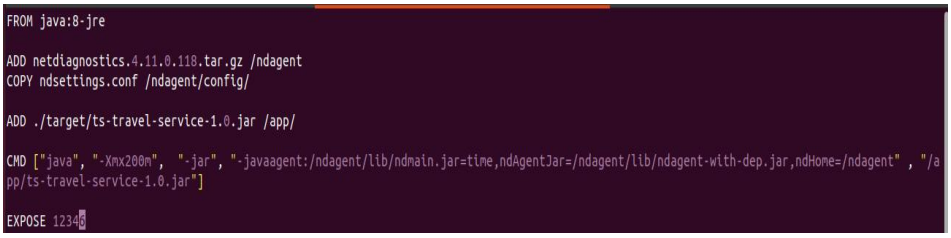

Figure 3: For Single Agent Directory (With Agent)

Cavisson Packages

7.

Components	Downloadable links	MD5	SIZES (BYTES)
Application Agent	https://nde.cav-test.com/HUB/netdiagnostics.4.11.0.118.tar.gz	4f141c9e4cdfb967fac7f4dfed57a6c1	304188 0