

Q: How to enable jvmSNA logs? (WSNOC 23.6)

A: jvmSNA.log : adpater-a : (docker exec -it adapter-a bash) (get into the adapter-a container : **WSNOC 23.6**)

ENABLE traces: **login as otn user : su - otn**

1) cd /usr/Systems/OTNE_1/eml/EMLIMSNA/script/

For ex : cd /usr/Systems/OTNE_1/eml/EMLIMSNA/script/

2) . ./set_sna_env <SNA_ID>

For ex : . ./set_sna_env 100

3) tracectrl --on jvmSNA OR tracectrl --trace jvmSNA

COLLECT

4) cd /usr/Systems/OTNE_1/maintenance/trace/

5) tail -F jvmSNA_OTNE_*_<SNA_ID>.log | tee /nfmt/maintenance/jvmSNA_new.log

Q: How to disable jvmSNA log?

A: jvmSNA.log : adpater-a : (docker exec -it adpater-a bash) (get into the adpater container)DISABLE

traces: **login as otn user : su - otn**

1) cd /usr/Systems/OTNE_1/eml/EMLIMSNA/script/

For ex : cd /usr/Systems/OTNE_1/eml/EMLIMSNA/script/

2) . ./set_sna_env <SNA_ID>

For ex : . ./set_sna_env 100

3) tracectrl --off jvmSNA

Q: How to enable otn.wlt.log (otnwlt) log?

A: 1. vi /opt/hpws/tomcat/webapps/oms1350/WEB-INF/classes/otn_logback.inc

```
<logger name="otn.wlt.log" level="INFO" additivity="false">
```

```
    <appender-ref ref="otnWLTLog" />
```

```
</logger>
```

Change INFO to TRACE (enable trace)/

2. cd /usr/Systems/OTNE_*/maintenance/trace/web/

3. tail -F otn.wlt.log | tee /nfmt/maintenance/otn.wlt_new.log

Q: What is the location for catalina.out logs?

A: catalina.out : otntomcat : Get into "otntomcat" container from 20.x onwards : (docker exec -it otntomcat bash)

Logs location : /usr/Systems/Global_Instance/maintenance/trace/catalina.out

Q: what is the location of dbread_pdu?

A: container : adapter-a : docker exec -it adapter-a bashlocation

: /usr/Systems/OTNE_1/script/dbread_pdu

Q: what is the command to collect tcpdump @ WSNOG / NFMT?

Answer: tcpdump -i any -s 0 -w checkTcpdump1.pcap host <NE IP>

A : - tcpdump from NFM-T / WSNOG to NE: # tcpdump -i any -s 0 -w checkTcpdump1.pcap host <NE IP address>

Note2: Replace the NE IP with IP address of the node. : run from VM

Q: what is the command to collect tcpdump @ NE?

A: tcpdump from NE to NFM-T: # tcpdump -i any -s 0 -w dump1.pcap host <NFM-T adapter IP from where node is managed> : run from NE

Q: how to enable FM.log

A: Note : strings are missingit is there in BOT

Q: how to enable NfntAdapters.log

A: >>>>wrong answer in BOT

Q: How to enable fm-model-synch-app Logs?

A: fm-model-synch-app Logs[container: nspos] : (docker exec -it nspos bash)How to

Enable:

vi /opt/nsp/os/app1-tomcat/webapps/fm-model-synch-app/WEB-INF/classes/logback.xml

Change below property from ERROR to DEBUG like below and save

```
<logger name="com.nokia.nspos.messaging.kafka.impl.consumer.MessageConsumer"
additivity="false" level="DEBUG">
  <appender-ref ref="FILE" />
</logger>
<logger name="com.nokia.nspos.messaging.kafka.impl.producer.MessageProducer"
additivity="false" level="DEBUG">
  <appender-ref ref="FILE" />
</logger>
<logger name="com.nokia.nspos.persistence.impl.db.transaction.EntityEventHandler"
additivity="false" level="DEBUG">
  <appender-ref ref="FILE" />
</logger>
```

Log Location: /opt/nsp/os/app1-tomcat/logs/fm-model-synch-app.log

Q: How to enable asonDiscovery.log? (This is already there in BOT but strings are missing)

A: String missing.....

Q: How to enable pathAll logs? (WSNOC 20.x above)

A: otncore : Get into otncore container : (docker exec -it otncore bash)cd

/usr/Systems/OTNE_1/bin

./trace_levels HIGH : to enable the logs

Trace location

cd /nfmt/maintenance/otncore/otne/trace/trsMngAgent.trcDir/

tail -F pathAll.trc | tee /nfmt/maintenance/pathAll_new.trc

Q: How to disable pathAll logs? (WSNOC 20.x above)?

A: otncore : Get into otncore container : (docker exec -it otncore bash)cd

/usr/Systems/OTNE_1/bin

./trace_levels LOW : to disable the logs

Q: How to enable trsMngAgent.trc logs?

A: otncore : Get into otncore container : (docker exec -it otncore bash)cd

/usr/Systems/OTNE_1/bin

./trace_levels HIGH : to enable the logs

Trace location

cd /nfmt/maintenance/otncore/otne/trace/trsMngAgent.trcDir/

tail -F trsMngAgent.trc | tee /nfmt/maintenance/trsMngAgent.trc

Q: How to disable trsMngAgent.trc logs?

A: otncore : Get into otncore container : (docker exec -it otncore bash)cd

/usr/Systems/OTNE_1/bin

./trace_levels LOW : to disable the logs

Q: How to collect and capture AWR report? (WSNOC 20.x onwards)

A: Note : AWR report is very useful if server / bench is very slow and / OR connection creation / deletion is taking more time

steps : Get into database container : (docker exec -it database bash)

su - otn (otn user)

To take db snapshots and generate an AWR report -

Step 1 -

as otn user

`./usr/Systems/OTN*M*/.wdmrc`

Step 2 -

Right before testing and reproducing the problem:

db_snap

(answer Y, N, Y)

Step 3 -

reproduce the problem.

Step 4 -

Immediately after the problem is produced or testing is done. Repeat Step 2.

Step 5 -

get AWR report

`sqlplus $NXNL_DATABASE`

`connect / as sysdba`

`start $ORACLE_HOME/rdbms/admin/awrrpt.sql`

hit enter to accept the default report name

enter the begin and end snapshot id

(associate to the time of the before and after snapshot you just take).

(The gap between the two snapshots should not be greater than 1 hour)

hit enter to accept the default report name

note: The report (named *.html) is located under current directory where you enter the commands

Q: which logs to collect for various components / modules of NFMT / WS-NOC?

A:

1. Connection Provisioning Managed Plane ----> jvmSNA, Jvm1, ,OTNdefault, commandfwk.log
2. Synch ---> jvmSNA, Jvm1
3. FM --> NE SNMP logs, jvmSNA , fm.log, NfmtAdapters.log
4. NE Management (EML / SNA) --> jvmSNA , EML NEMGR , NE SNMP logs
5. EQM --> EQM logs, jvmSNA, NE SNMP logs
6. ASON (control plane) Infra/service provisioning - - -> jvm1, jvmSNA, asonDiscovery.log, asonDefault.log, otndefault.log, commandfwk.log, trsMngAgent Dir (all logs under this DIR).
7. NPA related - - -> asonDiscovery.log, commandfwk.log, otndefault.log, jvm1

Note : Above are the minimum logs needed. Some more logs might be needed depending upon issue.

Also before collecting the logs please enable the logs and after logs collection, please disable the logs.
