Using and Disabling the Automatic Diagnostic Repository (ADR) with Oracle Net for 11g (Doc ID 454927.1)

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APPLIES TO:

Oracle Net Services - Version 11.1.0.6 and later
Information in this document applies to any platform.

GOAL

Using and Disabling the Automatic Diagnostic Repository (ADR) with Oracle Net. Includes instructions for using the **adrci** executable included in the 11g installation.

SOLUTION

Client Trace Files

Viewing Method 1

```
adrci
adrci> show base -product client
adrci> set base <above output>
adrci> show tracefile
adrci> show trace <trace file.trc>
```

> Note: Windows will need a double backslash (\\) when setting the base if the base contains spaces in the path

Viewing Method 2 (Linux)

```
cd ~
cd oradiag_username
cd clients
cd user_username
cd host*
cd trace
```

-or-

```
adrci exec='show base -product client' | awk '{print $4}' > /tmp/dir.txt;export A=`sed -e
's/"//g' /tmp/dir.txt` ;cd $A/diag/clients/u*/h*/trace
```

Followed by ls -ltr to sort the directory listing by date.

Viewing Method 2 (Windows)

```
cd %systemdrive%\Documents and
Settings\%username%\oracle\oradiag_%username%\diag\clients\user_%username%\host*\trace
```

Server Trace Files

Viewing Method 1

```
adrci
adrci> show tracefile
adrci> show trace <trace file.trc>
```

Viewing Method 2 (Linux)

Server traces are in the format of <sid>_ora_<pid>.trc

```
cd $ORACLE_BASE/diag/rdbms/instance_name/$ORACLE_SID/trace
```

e.g., /u01/app/oracle/product/diag/rdbms/v11/V11/trace

Viewing Method 2 (Windows) List of server traces:

Server traces are in the format of <sid>_ora_<pid>.trc

```
set /p sid="What instance name was traced? " & cd
%systemdrive%\oracle\product\diag\rdbms\%sid%\%sid%\trace
```

Listener Trace Files

Viewing Method 1

```
adrci
adrci> show tracefile
adrci> show trace <trace file.trc>
```

Viewing Method 2 (Linux)
Listener traces are in the format of ora_<pid>_<uniqueID>.trc

```
cd <diagnostic_base>/diag/tnslsnr/<hostname>/<listener_name>/trace
```

ls -ltr to sort by time and date

Viewing Method 2 (Windows)
Listener traces are in the format of ora_<pid>_<uniqueID>.trc

```
cd %systemdrive%\oracle\product\diag\diagtool\%computername%\listener\trace
```

dir /od *.trc to sort by time and date

LSNRCTL traces

Viewing Method 1

```
adrci
adrci> show base -product client
adrci> set base <above output>
adrci> show tracefile
adrci> show trace <trace file.trc>
```

> Note: Windows will need a double backslash (\\) when setting the base if the base contains spaces in the path

Viewing Method 2 (Linux)

```
cd $HOME/oradiag_oracle/diag/lsnrctl/$HOSTNAME/$HOSTNAME/trace
```

ls -ltr *.trc to sort by time and date

Viewing Method 2 (Windows)

```
cd %systemdrive%\Documents and
Settings\%username%\Oracle\oradiag_%username%\diag\tnslsnr\%computername%\%computername%\trace
```

dir /od *.trc to sort by time and date

Listener and CMAN Log Files

Logs are in XML format and must be made readable with adrci.

Viewing Method 1

```
adrci
adrci> show alert
[pick a number corresponding to a log file]

Use vi commands and :w to write the file
```

Since Windows does not use vi, you must copy notepad.exe or wordpad.exe to a location in the PATH that has no spaces and rename to vi.exe. The adrci "set editor" command can be used, but there are parsing bugs that makes this an unreliable option.

CMAN Trace Files

Because cman trace files are no longer named cmadmin.trc, cmgw0.trc, etc, it is not practical to use ADRCI to view cman trace files. Manual directory navigation is more suitable.

Viewing Method 1 (Linux)

```
cd diagnostic_base/diag/netcman/<hostname>/<cman_name>/trace
```

Viewing Method 1 (Windows)

```
cd %oracle_base%\diag\netcman\%computername%\%cman%\trace
```

Sort directory listings by time/date (ls -ltr or dir /od)
If you have "n" number of CMAN gateways configured then the last (n + 2) traces in the directory output are what is needed.
Out of these last (n + 2) traces, the 1st will be the cmadmin trace, the 2nd will be the cman tnslsnr trace, and the remaining will be gateway traces.

sqlnet.log

Viewing Method 1

```
adrci

adrci>show base -product client

adrci> set base <above output>
adrci> show alert
[pick a number corresponding to a log file]
```

Note: Windows will need a double backslash (\\) when setting the base if the base contains spaces in the path

Use vi commands and :w to write the file

Since Windows does not use vi, you must copy notepad.exe or wordpad.exe to a location in the PATH that has no spaces and rename to vi.exe. The adrci "set editor" command can be used, but there are parsing bugs that makes this an unreliable option.

trcasst
No ADR created tracefile can be read by trcasst. Please see below on how to disable ADR.

Note that trcasst will read ADR trace files beginning in 11gR2. See unpublished BUG7828959 for more information. The Net Administrator's Guide will be corrected to include this information.

Tnsping Tracing

Tnsping traces are not effected by ADR being set or not. Set tnsping_trace_level as usual.

Reverting Back to Old-Style Tracing and Logging:
Set DIAG_ADR_ENABLED=off in the following locations, after doing so, set a trace_level accordingly:

revert to client/server tracing/logging: set parameter DIAG_ADR_ENABLED=off in the client or server sqlnet.ora files

revert to listener tracing/logging: set parameter DIAG_ADR_ENABLED_listenerName=off in the listener.ora file

revert to cman tracing/logging:
Linux and Windows: add (DIAG_ADR_ENABLED=off) inside the parameter_list

Didn't find what you are looking for?