

**E-Business Suite Concurrent Processing - How To Trace a Concurrent Request And Generate TKPROF File (Doc ID 453527.1)**[To Bottom](#)**In this Document**[Goal](#)[Solution](#)[1. Generate Trace File](#)[2. Find Trace File Name](#)[3. TKPROF Trace File](#)[4. Debug based on frnd_log_messages](#)[Diagnostics & Utilities Community:](#)[References](#)**Was this document helpful?**☐ Yes
☐ No**Document Details**

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APPLIES TO:

Oracle Applications DBA - Version 12.1.3 and later
 Oracle Concurrent Processing - Version 12.1.3 and later
 Oracle Application Object Library - Version 11.5.5 and later
 Oracle Trade Management - Version 11.5.10 and later
 Oracle Teleservice - Version 11.5.10 and later
 Information in this document applies to any platform.
 This document includes 11.5.10+ and all versions of R12

Related Products

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GOAL

E-Business Suite Concurrent Processing, Request Processing related issues.

This document describes how to trace a Concurrent Request and generate the TKPROF file.

SOLUTION**1. Generate Trace File****Enable Tracing For The Concurrent Manager Program**

Select the Enable Trace Checkbox

Note : Checking the Trace Check box on the Concurrent Program gives an Event 10046 Level 8 trace. So even if the trace is set for Binds and Waits on the Submission form once the concurrent program is encountered in the trace it will reset to level 8 so no binds will be present in the trace after that point.

Information Centers

Oracle Catalog: Information Centers and Advisors for All Products and Services [50.2]
 Privacy and Security Feature Guidance for all Oracle Products (On Premise) [113.2]
 Information Center: Oracle Channel Revenue / Trade Management [1269302.2]
 R12: AP: Information Center: Oracle Payables for Suppliers [1363041.2]
 Information Center: Oracle Lease and Finance Management [1275298.2]

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Concurrent Processing - bde_request.sql - Process and Session info for one Concurrent Request (11.5) [187504.1]
 E-Business Suite Diagnostics References for R12 [421245.1]

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 Oracle Business Intelligence Enterprise Edition (OBIEE) Error Correction Support [1664916.1]
 FRM-40735: WHEN-BUTTON-PRESSED Trigger

If you check this base flag it will always override the Debug Rule that you select after. So if checks Enable Trace it overrides what the Debug Rule is.

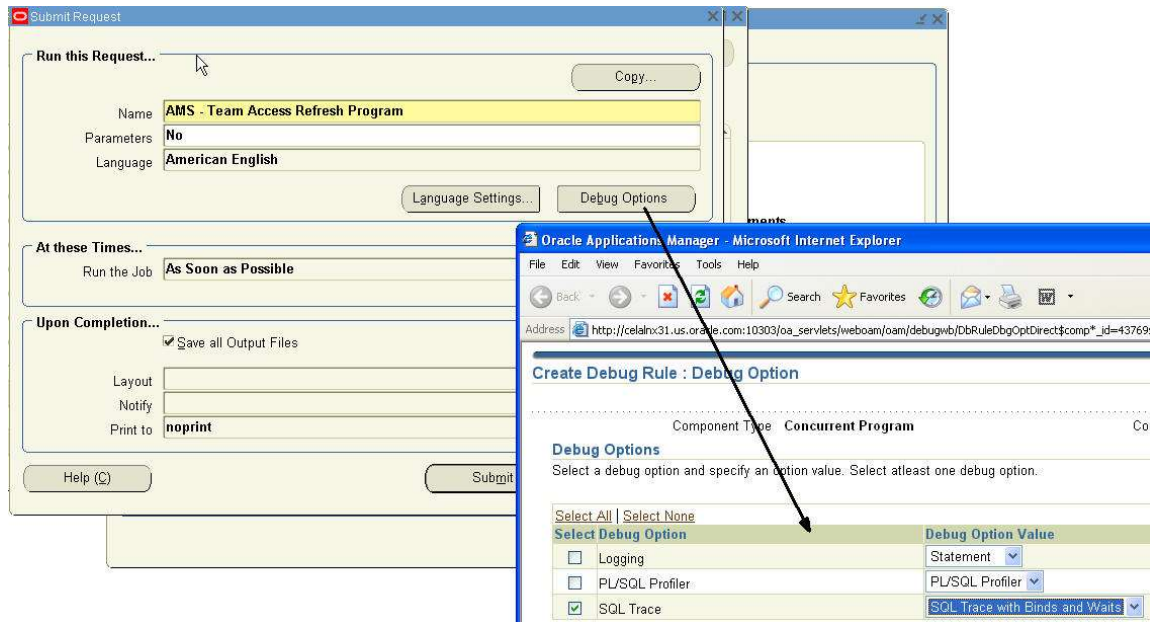
If you like to get Trace with Binds and Waits, Disable (Uncheck) trace check box in the Concurrent Program screen and set the Debug rule in the Submit Request screen.

Turn On Tracing

- Responsibility: System Administrator
- Navigate: Profiles > System
- Query Profile Option Concurrent: Allow Debugging
- Set profile to Yes

Run Concurrent Program With Tracing Turned On

- Logon to the Responsibility that runs the Concurrent Program
- In the Submit Request Screen click on Debug Options (B)
- Select the Checkbox for SQL Trace



If the Debug option is greyed out & not updateable set the profile Concurrent: Allow Debugging to Yes

2. Find Trace File Name

Run the following SQL to find out the Raw trace name and location for the concurrent program for R12.1.3 only. The SQL prompts the user for the request id:

```
prompt
accept request prompt 'Please enter the concurrent request id for the appropriate concurr
prompt

column traceid format a8
column tracename format a80
column user_concurrent_program_name format a40
column execname format a15
column enable_trace format a12
set lines 80
set pages 22
set head off

SELECT 'Request id: '||request_id ,
'Trace id: '||oracle_process_id,
'Trace Flag: '||req.enable_trace,
'Trace Name:
'||dest.value||'/'||lower(dbnm.value)||'_ora_'||oracle_process_id||'.trc',
'Prog. Name: '||prog.user_concurrent_program_name,
'File Name: '||execname.execution_file_name|| execname.subroutine_name ,
'Status : '||decode(phase_code,'R','Running')
||'-'||decode(status_code,'R','Normal'),
'SID Serial: '||ses.sid||', '|| ses.serial#,
'Module : '||ses.module
from fnd_concurrent_requests req, v$session ses, v$process proc,
v$parameter dest, v$parameter dbnm, fnd_concurrent_programs_vl prog,
fnd_executables execname
```

Raised Unhandled Exception
ORA-06502. [2177704.1]
OEXOEORD :Error Frm-
40222 Disabled Item
"line.Ship_to_location"
Failed Validation While
Deleting Model Item from
Sales Order Line Form
[2076202.1]

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```

where req.request_id = &request
and req.oracle_process_id=proc.spid(+)
and proc.addr = ses.paddr(+)
and dest.name='user_dump_dest'
and dbnm.name='db_name'
and req.concurrent_program_id = prog.concurrent_program_id
and req.program_application_id = prog.application_id
--- and prog.application_id = execname.application_id
and prog.executable_application_id = execname.application_id
and prog.executable_id=execname.executable_id;

```

Note: For 12.2 and later use the following query to get the trace info:

```
select * from v$diag_info where name = 'Diag Trace';
```

To check the timeline of the request :

```

SELECT request_id, TO_CHAR( request_date, 'DD-MON-YYYY HH24:MI:SS' )
request_date, TO_CHAR( requested_start_date, 'DD-MON-YYYY HH24:MI:SS' )
requested_start_date, TO_CHAR( actual_start_date, 'DD-MON-YYYY HH24:MI:SS' )
actual_start_date, TO_CHAR( actual_completion_date, 'DD-MON-YYYY HH24:MI:SS' )
actual_completion_date, TO_CHAR( sysdate, 'DD-MON-YYYY HH24:MI:SS' )
current_date, ROUND( ( NVL( actual_completion_date, sysdate ) - actual_start_date ) *
24, 2 ) duration
FROM fnd_concurrent_requests
WHERE request_id = TO_NUMBER(' &p_request_id ');

```

You may produce a complete report reference of the request ID using the [Note:187504.1](#) bde_request.sql Process and Session info for one Concurrent Request(11.5)

3. TKPROF Trace File

Once you have obtained the Raw trace file you need to format the file using TKPROF. There are a number of options for formatting via TKPROF:

A. TKPROF Sorting by execution time (for performance related issues):

```
$tkprof raw_trace_file.trc output_file explain=apps/apps sort=(exeela,fchela) sys=no
```

Where:

```

raw_trace_file.trc: Name of trace file
output_file:       tkprof out file
explain:           This option provides the explain plan for the sql statements
sort:              This provides the sort criteria in which all sql statements will be
sorted. This will bring the bad performance sql at the top of the outputfile.
sys=no:            Disables sql statements issued by user SYS

```

For example: To get (TKPROF) sorted by longest running queries first and limits the results to the "Top 10" long running queries

```
$ tkprof <filename.trc> <output_filename> explain=apps/<password> sort='(exeela,fchela)
sys=no' print=10
```

B. TKPROF without any sorting (Shows full details of the process flow in order of execution, not grouped):

```
tkprof <RAW trace> <output> explain=apps_uname/apps_pwd sys=no
```

Note : On Database versions prior to 11g use the following query to identify the directory where the raw trace file is saved.

```
select value from v$parameter where name = 'user_dump_dest';
```

On database version 11g use the following query:

```
select * from v$diag_info where name = 'Diag Trace';
```

4. Debug based on fnd_log_messages

If you need to debug further to get the detailed error messages raised from the program, perform the following steps:

1) Log into system admin responsibility and set the following profile options:

```
FND: Debug Log Enabled - Yes
FND: Debug Log Level - Statement
FND: Debug Log Module - %
FND: Message Level Threshold to low level
```

[set at user level]

2) Run the below select in sqlplus:

```
SELECT MAX(log_sequence) FROM fnd_log_messages;
```

Take the max of log sequence and use it as log_seq1 in step#5

3) Try to reproduce the issue with above user for which fnd profile options are set.

4) Run the below select in sqlplus:

```
SELECT MAX(log_sequence) FROM fnd_log_messages;
```

Take the max of log sequence and use it as log_seq2 in step #5.

5) Run following select to get the log messages:

```
SELECT LOG_SEQUENCE, MESSAGE_TEXT, USER_ID FROM fnd_log_messages WHERE
log_sequence > log_seq1-1 and log_sequence < log_seq2+1 ;
```

6) Provide any related screenshots, for example the Pick Selection List Generation - SRS screenshot for the associated program submission.

Diagnostics & Utilities Community:

Diagnostics

For the latest diagnostics, please reference [Document 421245.1](#) E-Business Suite Diagnostics References for R12.

Utilities Community

Visit the [Utilities](#) community for help from industry experts or to share knowledge.

REFERENCES

[NOTE:187504.1](#) - Concurrent Processing - bde_request.sql - Process and Session info for one Concurrent Request (11.5)

[NOTE:421245.1](#) - E-Business Suite Diagnostics References for R12

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Attachments



cp (40.7 KB)



cp2 (128.19 KB)

Related

Products

- [Oracle E-Business Suite > Applications Technology > Lifecycle Management > Oracle Applications DBA > Upgrade related issues > Upgrade Issues](#)
- [Oracle E-Business Suite > Applications Technology > Application Object Library > Oracle Concurrent Processing > Request Processing > Request Processing](#)
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Keywords

ADMIN; ADMINISTRATOR; CONCURRENT MANAGER; CONCURRENT REQUEST; DYNAMIC ADV DEBUG; FND_CONCURRENT_PROGRAMS_VL; FND_CONCURRENT_REQUESTS; FND_EXECUTABLES; TRACE; TRACING OPTIONS; USER_DUMP_DEST; V\$PARAMETER; V\$SESSION

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