

## Database Capture And Replay Common Errors And Reasons (Doc ID 463263.1)

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### In this Document

[Purpose](#)

[Troubleshooting Steps](#)

[ORA-00439 "feature not enabled: %s"](#)

[ORA-01458 "invalid length inside variable character string"](#)

[ORA-15505 "cannot start workload capture because instance %s encountered errors while accessing directory %s"](#)

[ORA-15506 "cannot prepare instance %s for replay"](#)

[ORA-15509 "workload replay has been cancelled"](#)

[ORA-15510 "cannot perform operation when "STATISTICS\\_LEVEL" is "BASIC" "](#)

[ORA-15511 "cannot process workload capture because no user sessions were recorded"](#)

[ORA-15513 "cannot access the input directory"](#)

[ORA-15518 "parallel preprocessing encountered an unexpected error"](#)

[ORA-15552 "workload replay client cannot login to database server"](#)

[ORA-15555 "workload replay client encountered unexpected error: %s"](#)

[ORA-15557 "workload replay client cannot access the replay directory or the database version do not match the preprocessing one"](#)

[ORA-15558 "replay thread encountered unexpected error"](#)

[ORA-15563: workload replay client cannot spawn new threads](#)

[ORA-15567 "replay user %s encountered an error during a sanity check"](#)

[ORA-15590 "encountered incomplete workload capture files"](#)

[ORA-20222 "Given capture\\_id %s is invalid or the corresponding capture failed"](#)

[ORA-20223 "No replay clients have connected yet! Please issue START\\_REPLAY\(\) after one or more WRC replay clients have been started!"](#)

[ORA-39087 "directory name %s is invalid"](#)

[ORA-21500: internal error code, arguments:\[keccuCheckOCLError\]](#)

[Timeout is called](#)

[References](#)

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### APPLIES TO:

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Oracle Database - Enterprise Edition - Version 11.1.0.6 and later  
Oracle Exadata Hardware - Version 11.2.0.2 and later  
Information in this document applies to any platform.  
Oracle Server Enterprise Edition - Version: 11.1.0.6 to 11.1.0.6  
11.1.0.6.X

### PURPOSE

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The purpose of this note is to list some of the common errors and its reasons that a user may get during Database Capture and Replay process.

### TROUBLESHOOTING STEPS

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**ORA-00439 "feature not enabled: %s"**

```
SQL> begin
```

```
2 DBMS_WORKLOAD_REPLAY.PROCESS_CAPTURE(capture_dir => 'rat_staging_area_dir');
3 end;
4 /
begin
*
ERROR at line 1:
ORA-00439: feature not enabled: Partitioning
ORA-06512: at "SYS.DBMS_WORKLOAD_REPLAY", line 1860
ORA-06512: at line 2
```

### **Solution**

Partitioning is not required for RAT. Please see [Bug 9528307](#). The following workaround is available:

```
Rem Turn ON the event to disable the partition check in this session ONLY.
Rem Internal use of partitioning by Oracle features is permitted
Rem without requiring separate license.

alter session set events '14524 trace name context forever, level 1';

Rem Process in parallel
BEGIN
dbms_workload_replay.process_capture('&1', NULL);
END;
/
```

Or, if the session in which the processing is done cannot be targeted (because of EM for instance), the event can be set system-wide for the duration of the processing (and turned off afterward).

```
alter system set events '14524 trace name context forever, level 1';
```

### **alert.log may show following message**

```
DBMS_WORKLOAD_CAPTURE.FINISH_CAPTURE(): Stopped database capture (not all sessions could flush their capture buffers)
```

This is an informational message, this message does not indicate a problem.

- 1) This is because even after timeout ( default 30 seconds )  
We did not flush the capture buffers.

or

- 2) We had idle sessions at the time we issued DBMS\_WORKLOAD\_CAPTURE.FINISH\_CAPTURE().  
for example sqlplus connection connected to the database, but doing nothing.

### **Solution**

- 1) To correct this specify high time out value like 60 seconds or 120 seconds or higher. You may still have this message even after increase timeout if there are idle sessions at the end of the capture.
- 2) To avoid this, do not have sessions that remain idle (waiting for the next user request) while invoking FINISH\_CAPTURE. Either close the database session(s) before running FINISH\_CAPTURE or send new database requests to those sessions during FINISH\_CAPTURE.
- 3) You can safely ignore this information in most cases assuming you have captured enough workload.

Check Oracle [documentation](#) on DBMS\_WORKLOAD\_CAPTURE.FINISH\_CAPTURE()

While doing the Database Replay one may get the following alert

**A Replay client is not able to issue the captured workload at the requested rate**

Database Replay monitors the WRC client statistics for i/o and cpu usage.

If the time spent by WRC clients is the above the set threshold values,  
it sends an alert to the database server and the status metrics carry the status to EM and issues alert.

The following query gives the different alerts available for Database Replay clients.

```
select * from v$alert_types where reason_id between 160 and 162 order by reason_id;
```

AVG\_IO\_TIME average IO latency for Workload Replay Client threshold is 60 ms.

P\_CPU percentage of threads on CPU for Workload Replay Client threshold is 3%.

P\_IO percentage of threads doing IOs for Workload Replay Client threshold is 3%.

The idea here is WRC itself should not be spending much time in reading the capture files or CPU.

The alert means either the storage subsystem on which the capture files are located is slow or have bottlenecks or less throughput,  
or you are executing too many WRC clients from the same machine.

**Solution**

- 1) Move capture files on storage subsystem which is fast or do not have bottleneck or have better throughput.
- 2) Execute WRC clients from more machines.

**ORA-01458 "invalid length inside variable character string"**

If you are getting ORA-01458 during get\_replay\_info or Initialize or prepare phase

**WORKAROUND**

Use alter system set "\_wcr\_control"=16384 before executing get\_replay\_info or do Initialize or prepare phase.

**Solution**

Apply patch for [bug 10076544](#).

Or apply [Patch 11870615](#) DBREPLAY PATCH BUNDLE 1 FOR 11.2.0.2.0 that includes fix for [bug 10076544](#).

**ORA-15505 "cannot start workload capture because instance %s encountered errors while accessing directory %s"**

```
*Cause: Given instance could not access the specified CAPTURE directory
or the specified CAPTURE directory already had a workload capture in it.
Action: Provide a directory object that is valid, empty and accessible from all the instances in the database
cluster.
```

**Example of ORA-15505**

```
BEGIN dbms_workload_capture.start_capture('CAPTURE-v11106.us.oracle.com-20071014180343', 'TEST', NULL,
'INCLUDE', FALSE); END;
```

```
ERROR at line 1:
ORA-15505: cannot start workload capture because instance 1 encountered errors
while accessing directory "/home/oracle/DEMO/TEST"
ORA-06512: at "SYS.DBMS_WORKLOAD_CAPTURE", line 799
ORA-06512: at line 1
```

**Reasons for ORA-15505**

- 1) There is an existing file in the CAPTURE Directory.  
There should be no files including no hidden files,

Before the dbms\_workload\_capture.start\_capture is executed.

2) The Instance is unable to access the CAPTURE Directory.

3) The Capture directory can not be on an ASM disk.

In 11gR1 and 11gR2, DBMS\_WORKLOAD\_CAPTURE can not be used when the capture directory is on an ASM disk. Currently, there is no exact fix release.

```
SQL> BEGIN
2 dbms_workload_capture.start_capture('test_capture_1','TEST1_DIR');
3 end;
4 /
BEGIN
*
ERROR at line 1:
ORA-15505: cannot start workload capture because instance 1 encountered errors
while accessing directory "+DATA/RAC10G/TEST1"
ORA-06512: at "SYS.DBMS_WORKLOAD_CAPTURE", line 799
ORA-06512: at line 2
```

#### ORA-15506 "cannot prepare instance %s for replay"

```
*Cause: Given instance encountered unexpected errors while trying
to prepare for a workload replay.
*Action: Check the alert log and other diagnostics in the given
instance to diagnose the problem.
```

1) Ensure proper shared directory during replay on a RAC database.

Non-shared directories are not supported during replay on a RAC database.

2) Unpublished [Bug 7260616](#)

Fixed in 11.2.0.1.0 and above.

3) ORA-15506 is one of the symptoms of [bug 10327241](#).

For 11.2 Database release apply one off patch for [Bug 10327241](#)

Or apply one off patch for [Patch 11870615](#) DBREPLAY PATCH BUNDLE 1 FOR 11.2.0.2.0 that includes includes fix for [Bug 10327241](#)

Ensure to do preprocessing again after applying this patch.

4) For 10.2.0.5.6, apply patch for [bug 9373986](#) as per [Document 560977.1](#).

#### ORA-15509 "workload replay has been cancelled"

```
*Cause: Workload replay was cancelled.
*Action: Restart the workload replay.
```

On RAC databases:

For database replay you prepared for RAC database with capture\_sts => TRUE

```
BEGIN
  DBMS_WORKLOAD_REPLAY.PREPARE_REPLAY (synchronization => false,
                                         connect_time_scale => 100,
                                         think_time_scale => 100,
                                         think_time_auto_correct => TRUE,
                                         capture_sts => TRUE,
                                         sts_cap_interval => 900);
END;
/
```

Then get following error:

```

Replay started (13:51:20)
Errors in file :
ORA-15509: workload replay has been cancelled

```

### **Reason for this particular ORA-15509**

The use of CAPTURE\_STS=TRUE on RAC database has resulted in ORA-15509.

### **Solution**

Do not use capture\_sts => TRUE, use capture\_sts => FALSE. capture\_sts => TRUE which is not supported on RAC databases.

### **Another reason for ora-15509 may be bug 13043788.**

Run workload replay again in debug mode to identify the bug:

[Note:1536695.1](#) How to Find the Offending Workload Capture File ( rec file ) when a Replay is Cancelled or Crashes

Look for a trace file which contains similar data:

```

2013-09-30 18:43:45.102062 :keclrk.c@923: CALL_BEGIN ID: (2938229870708129811, 14196) ORFN: (0, 94)
2013-09-30 18:43:45.102079 :keclrk.c@928:Calltime: 6880011869561 Wallclock: 1378404986
2013-09-30 18:43:45.102114 :keclrk.c@1824: Skip bindline since kxscnit= 1 and kxscrtn= 2
2013-09-30 18:43:45.102138 :keclrk.c@1824: Skip bindline since kxscnit= 1 and kxscrtn= 2
2013-09-30 18:43:45.102421 :keclrk.c@1738: Skip bind_section_end since kxscnit= 1 and kxscrtn= 2
DDE: Flood control is not active

```

### **Solution**

Request a patch for [bug:13043788](#).

### **ORA-15510 "cannot perform operation when "STATISTICS\_LEVEL is "BASIC" "**

```

*Cause: The STATISTICS_LEVEL initialization parameter was set to BASIC.
*Action: Change the STATISTICS_LEVEL initialization parameter setting to either TYPICAL or ALL.

```

### **Example of ORA-15510**

In 9.2.0.X.0

```

SQL> exec dbms_workload_capture.start_capture('RAT_9208_1129', 'RAT_CAPTURE_DIR');
BEGIN dbms_workload_capture.start_capture('RAT_9208_1129', 'RAT_CAPTURE_DIR'); END;

*
ERROR at line 1:
ORA-15510: Message 15510 not found; product=RDBMS; facility=ORA
ORA-06512: at "SYS.DBMS_WORKLOAD_CAPTURE", line 831
ORA-06512: at line 1

```

And in the alert log you may see:

```

DBMS_WORKLOAD_CAPTURE.FINISH_CAPTURE(): Stopped database capture (not all sessions could flush their capture buffers) at 11/30/2011 11:20:09
DBMS_WORKLOAD_CAPTURE.START_CAPTURE : STATISTICS_LEVEL not BASIC in instance 1

```

In 10.2.0.X

```

SQL v10204> exec DBMS_WORKLOAD_CAPTURE.START_CAPTURE(name =>'TEST_CAPTURE',dir =>'MY_WORKLOAD_DIR');
BEGIN DBMS_WORKLOAD_CAPTURE.START_CAPTURE(name =>'TEST_CAPTURE',dir =>'MY_WORKLOAD_DIR'); END;

```

```
*
ERROR at line 1:
ORA-15510: cannot perform operation when "STATISTICS_LEVEL" is "BASIC"
ORA-06512: at "SYS.DBMS_WORKLOAD_CAPTURE", line 799
ORA-06512: at line 1
```

### **Reasons for ORA-15510**

STATISTICS\_LEVEL set to BASIC.

### **Solution**

set STATISTICS\_LEVEL=TYPICAL in the init.ora or dynamically.

For example

```
alter system set STATISTICS_LEVEL=TYPICAL;
```

### **ORA-15511 "cannot process workload capture because no user sessions were recorded"**

```
*Cause: No user sessions were recorded in the given workload capture.
Processing this capture failed because no user workload was captured.
*Action: Capture a workload in which at least one user session connects and performs some operations.
```

### **Example of ORA-15511**

```
BEGIN dbms_workload_replay.process_capture('TEST'); END;

*
ERROR at line 1:
ORA-15511: cannot process workload capture because no user sessions were
recorded
ORA-06512: at "SYS.DBMS_WORKLOAD_REPLAY", line 1138
ORA-06512: at line 1
```

### **Reason for ORA-15511**

1) No user sessions were recorded in the given workload capture.

### **ORA-15513 "cannot access the input directory"**

During Initialize of Replay one gets an ORA-15513 error

```
ERROR at line 1:
ORA-15513: cannot access the input directory
ORA-01458: invalid length inside variable character string
ORA-06512: at "SYS.DBMS_WORKLOAD_REPLAY", line 2173
ORA-06512: at "SYS.DBMS_WORKLOAD_REPLAY", line 2185
ORA-06512: at line 2
```

### **Workaround**

In the Replay directory check for directory rep\*

for example

```
/data/shared/replay/rep226671820
```

backup directory rep226671820 to some other directory and delete it. The rep\* directory is generated during each Replay. deleting the rep\* directory from previous replays will not impact the new replay.

or

```
alter system set "_wcr_control"=16384 ;
```

and do the Initialize again.

### **Solution**

Apply patch for [bug 10076544](#).

### **ORA-15518 "parallel preprocessing encountered an unexpected error"**

```
BEGIN dbms_workload_replay.process_capture('RAT_REC'); end;
```

raises the following error:

```
ORA-15518: parallel preprocessing encountered an unexpected error  
ORA-06512: at "SYS.DBMS_WORKLOAD_REPLAY", line 2010
```

along with ORA 7445 kecppSeqEndCallProcessing()

### **Solution**

Apply one off [Patch 11691834](#).

Or apply [Patch 11870615](#) DBREPLAY PATCH BUNDLE 1 FOR 11.2.0.2.0 that includes these fixes .

### **ORA-15552 "workload replay client cannot login to database server"**

The error ORA-15552 means workload replay client cannot login to database server.

```
*Cause: 1) the replay client used an invalid username or password;  
        2) the replay user does not have the privilege to switch user;  
        3) the recorded username does not exist in the replay database.  
*Action: 1) restart replay client with correct username and password  
        2) grant user switching privilege to the replay user  
        3) verify whether the replay database was restored properly
```

### **Reasons for ORA-15552**

- 1) The replay client used an invalid username or password;
- 2) The replay user does not have the privilege to switch user;
- 3) The recorded username does not exist in the replay database.
- 4) Incorrect format for wrc client used.

```
wrc userid=system replaydir='F:\PROXY11G\test'  
Errors in file :  
ORA-15552: workload replay client cannot login to database server
```

No password specified. The correct method is

```
wrc userid=system password=<password> replaydir='F:\PROXY11G\test'
```

### **ORA-15555 "workload replay client encountered unexpected error: %s"**

```
*Cause: Workload Replay Client encountered an unexpected error.  
*Action: Check the Workload Replay Client's log files and the database  
server alert log to diagnose the problem.
```

### **ORA-15555 "THE DIAGNOSABILITY CONTEXT CAN'T BE INITIALIZED"**

#### **Reason for ORA-15555**

- 1) ADR setup issue.
- 2) DIAG\_ADR\_ENABLED=OFF set in sqlnet.ora. DIAG\_ADR\_ENABLED=ON should be set in sqlnet.ora.

**ORA-15557 "workload replay client cannot access the replay directory or the database version do not match the preprocessing one"**

```
*Cause: The Workload Replay Client could not access the directory that
        contained the workload to be replayed, or the workload was
        preprocessed by a different version of the database.
*Action: Restart the workload replay after specifying the correct
        replay directory, or preprocess it with the correct database.
```

**Reasons for ORA-15557**

- 1) Check the Replay Directory That was specified, make sure that the WRC client has an access to the directory.
- 2) The workload was preprocessed using a different version than the version of the database it is replayed on currently.

**ORA-15558 "replay thread encountered unexpected error"**

While running the WRC client while doing the replay WRC got an error ORA-15558

```
*Cause: A single replay thread got disconnected from the server due to an unexpected error.
*Action: Check the Workload Replay Client's log files and the database server alert log to diagnose the
        problem.
```

ORA-15558 simply means that the replay thread lost connection to the database server; Error ORA-15558 is too generic. ORA-15558 can occur for login failure of user during replay. The workload replay client throws ORA-15558 when a user login fails during replay.

**ORA-15563: workload replay client cannot spawn new threads**

```
Cause: The Workload Replay Client does not have enough resource (CPU or memory) to spawn new threads.
Action: Restart the workload replay after allocating more resource (CPU and memory) to the Workload Replay
        Client or use more hosts as replay clients to drive the workload.
```

A possible reason for this error is the number of concurrent threads being run during replay. Check the process limit (ulimit -u) and increase the soft limit for the user running the replay by increasing the nproc limit in /etc/security/limits.conf

**ORA-15567 "replay user %s encountered an error during a sanity check"**

```
ORA-15567: replay user <username> encountered an error during a sanity check
```

This error means that the user has insufficient privileges to replay the workload. To resolve the error, give the user the correct privileges or grant them DBA privilege and grant admin option in order to replay the workload.

**ORA-15590 "encountered incomplete workload capture files"**

```
Cause: The captured workload contained one or more incomplete recording files.
This can happen when the original workload capture's FINISH_CAPTURE
command timed out while waiting for all the active sessions to close their workload capture files.

Action: Incomplete capture files will not interfere with the processing and replaying of
the captured workload. This is simply a warning message to point out that some database
calls might not have been recorded due to FINISH_CAPTURE command timing out.
```

During preprocessing you encountered ORA-15590

```
SQL> set serveroutput on
SQL> exec dbms_workload_replay.process_capture('DB_REPLAY_DIR', 1);
```



```
BEGIN dbms_workload_replay.process_capture('DB_REPLAY_DIR', 1); END;

*
ERROR at line 1:
ORA-15590: encountered incomplete workload capture files
ORA-06512: at "SYS.DBMS_WORKLOAD_REPLAY", line 1860
ORA-06512: at line 1
```

This error basically informs the user that part of the workload may be missing.

Check the alert.log for specific output like this:

### **Error message in alert file**

```
DBMS_WORKLOAD_REPLAY.PROCESS_CAPTURE: WARNING: Preprocessing encountered an
INCOMPLETE file wcr_aw95ch0000488.rec in /backup01/capture1/capfiles/inst1/aa.
```

The capture file wcr\_aw95ch0000488.rec is incomplete.

Ignore the error message ORA-15590, it is for information.  
The preprocess has completed.

### **I/O Error while capture: Captured Data may still be usable.**

During Capture if you get I/O Error while capture: Captured Data may still be usable.

This means the capture stopped automatically. Usually this would mean they run out of space on disk after capture had started or out of memory when trying to allocate PGA buffers.

Now it is debatable if the capture is still usable as wcr\_fcapture.wmd may not be there as we ran out of disk space and capture may not have written file wcr\_fcapture.wmd.

### **For Slow Preprocess issues**

Apply one off [Patch 11691834](#).

Or apply [Patch 11870615](#) DBREPLAY PATCH BUNDLE 1 FOR 11.2.0.2.0 that includes fix for [Bug 11691834](#).

### **AWR snapshots with error**

While generating the Compare Period Report one may get the following message.

There were 2 AWR snapshots with error during Replay wrm-2011 with id 1

AWR had some problem flushing data and recorded the error(s) in dba\_hist\_snap\_error (wrm\$\_snap\_error).  
Check and save the table\_name and error\_number in there:

```
sqlplus / as sysdba
select * from wrm$_snap_error;
```

This will return rows.

This is why the error is generated and that is what prevented us from generating the report.

### **WORKAROUND**

Note depending upon the table involved in the error  
you may miss having that information in AWR Reports  
and Replay reports. If you delete those rows in wrm\$\_snap\_error, the report will be generated.

```
delete from wrm$_snap_error where snap_id=<snapid>;
commit;
```

**ORA-20222 "Given capture\_id %s is invalid or the corresponding capture failed"**

### **Example of ORA-20222**

1)

```
connect / as sysdba
BEGIN dbms_workload_capture.export_awr(capture_id =>1); END;
/
*
ERROR at line 1:

ORA-20222: Given capture_id "1" is invalid or the corresponding capture
failed
or is in progress.
ORA-6512: at "SYS.DBMS_WORKLOAD_CAPTURE", line 1238
ORA-6512: at line 1
```

2)

```
SQL> SQL> BEGIN
dbms_workload_capture.start_capture('CAPTURE-pos3_pos31-20061018122949',
'TEST1', 180, 'INCLUDE', TRUE); END;
.
*
ERROR at line 1:
ORA-20222: Encountered unexpected error while trying to start capture.
ORA-6512: at "SYS.DBMS_WORKLOAD_CAPTURE", line 598
ORA-15505: cannot start workload capture because instance 2 encountered errors
while accessing directory "/db11ghome/cap1"
ORA-6512: at line 1
```

### **Reason for ORA-20222**

ORA-20222 is a generic error message that can occur due other underlying error during Capture.  
Check the error accompanying with ORA-20222.

- Ensure correct directory name is used including check the case-sensitivity of the directory name.The directory name is case sensitive.
- Ensure READ and WRITE privilege on the DIRECTORY object to the which is the capture is written.

**ORA-20223 "No replay clients have connected yet! Please issue START\_REPLAY() after one or more WRC replay clients have been started!"**

Example of ORA-20223

1)

```
SQL v11106> BEGIN
DBMS_WORKLOAD_REPLAY.START_REPLAY ();
END;
/ 2 3 4
BEGIN
*
ERROR at line 1:
ORA-20223: No replay clients have connected yet! Please issue START_REPLAY()
after one or more WRC replay clients have been started!
ORA-06512: at "SYS.DBMS_WORKLOAD_REPLAY", line 1469
ORA-06512: at line 2
```

2)

```
SQL> begin
```

```
dbms_workload_replay.prepare_replay(
SYNCHRONIZATION=>TRUE,
THINK_TIME_SCALE=>100);
end;
/
begin
*
ERROR at line 1:
ORA-20223: Invalid input. Database has not been INITIALIZED for REPLAY. Issue
INITIALIZE_REPLAY() before PREPARE_REPLAY().
ORA-06512: at "SYS.DBMS_WORKLOAD_REPLAY", line 1799
ORA-06512: at line 2
```

3)

```
exec DBMS_WORKLOAD_REPLAY.INITIALIZE_REPLAY('TEST1','CAPT');
ERROR at line 1:
ORA-20223: Error: Invalid Input. Replay "TESTWWW" is already in progress!
ORA-06512: at "SYS.DBMS_WORKLOAD_REPLAY", line 2157
ORA-06512: at "SYS.DBMS_WORKLOAD_REPLAY", line 2185
ORA-06512: at line 1
```

A Database Replay is already in progress in the database.

You can not start multiple Database Replays at the same time on the same database.

4)

```
ORA-20223: Error: Invalid Input.
Capture's last processed version (11.1.0.7.0) does not match the current database version (11.2.0.1.0)
```

5)

```
SQL> begin
2 dbms_workload_replay.initialize_replay(
3 replay_name=>'UPGRADETEST',
4 replay_dir=>'TEST');
5 end;
6 /
begin
*
ERROR at line 1:
ORA-20223: Error: Invalid Input. Directory "TEST" does not contain a
valid processed workload capture
ORA-06512: at "SYS.DBMS_WORKLOAD_REPLAY", line 817
ORA-06512: at line 2
```

6)

```
ORA-20223: Error: Invalid Input. Replay "TEST_REPLAY" is already in progress!
```

Resolved by running following:

```
execute DBMS_WORKLOAD_REPLAY.cancel_replay()
BEGIN DBMS_WORKLOAD_REPLAY.PREPARE_REPLAY(synchronization => TRUE); END;
```

7) This error can occur in RAC environment:

```
SQL> exec DBMS_WORKLOAD_REPLAY.PREPARE_REPLAY();
BEGIN DBMS_WORKLOAD_REPLAY.PREPARE_REPLAY(); END;
* ERROR at line 1: ORA-20223: Invalid input. Directory "REPLAY1" does not contain a valid processed workload
capture
ORA-6512: at "SYS.DBMS_WORKLOAD_REPLAY", line 4132
ORA-6512: at line 1
```

Replay on RAC using local replay directory fails even though mappings are all to the one node.

Failure is due to insert being parallel and slaves starting on remote node and hence cannot see replay directory.

Solution: set parallel\_force\_local = true or Use a shared directory instead of a local directory.

### **Reason for ORA-20223**

ORA-20223 is a generic error message that can occur due other underlying error during replay.  
Check the error accompanying with ORA-20223.

### **ORA-39087 "directory name %s is invalid"**

When attempting to implement a Grid Control AWR export after capturing a replay, the following error occurs:

```
ORA-12012: error on auto execute of job 579000
ORA-20115: datapump export encountered error:
ORA-39001: invalid argument value
ORA-39000: bad dump file specification
ORA-39087: directory name WRR_TMP is invalid
ORA-06512: at "SYS.DBMS_WORKLOAD_CAPTURE", line 1533
ORA-06512: at line 1
```

### **Solution**

Solution is the following:

```
select ID,NAME,DIRECTORY ,AWR_DBID,AWR_BEGIN_SNAP,AWR_END_SNAP,AWR_EXPORTED from dba_workload_captures

exec dbms_workload_capture.export_awr(capture_id);
```

This will create wcr\_ca.dmp  
Move wcr\_ca.dmp to /u02/oradata/expimp/cap/  
Import the AWR to the replay database via

```
set serverout on
begin
dbms_output.put_line('Imported DBID = ' ||
dbms_workload_capture.import_awr(captureid,'stageschema'));
end;
/
```

### **ORA-21500: internal error code, arguments:[keccuCheckOCLError]**

When running workload replay, the following error is dumped:

```
wrc userid=system password=ss replaydir='/fenix_pruebas/wrc' WORKDIR='/fenix_pruebas/wrc/trace' debug=ON
CONNECTION_OVERRIDE=TRUE MODE=GET_TABLES
Workload Replay Client: Release 11.2.0.3.0 - Production on Wed Apr 25 13:20:24 2012
Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.
List of objects referenced by the captured statements:
-----

Errors in file :
ORA-21500: internal error code, arguments: [keccuCheckOCLError], [keccuGetCapturedTablesExtractObjects:3],
[12899], [ORA-12899: value too large for column "SYS"."WRR$_GCT_OBJECTS"."NAME" (actual: 41, maximum: 30)
ORA-06512: at line 1
ORA-06512: at line 1
```

Solution is to apply the fix for [Bug 13399236](#) which is fixed in 12.1. If there is no patch available for your version, please request a one off patch be produced. See:

[Document 13399236.8](#) Bug 13399236 - wrc mode=get\_tables errors out with ORA-21500 / ORA-12899

### Timeout is called

1) The following message is in the WRC trace:

```
2012-06-11 15:30:44.391227 :kecl.d.c@1193: Dispatcher should sleep 853 ms for the next login.  
2012-06-11 15:30:45.247129 :kecl.d.c@1744: Timeout is called
```

This is considered a normal message but is indicative of an issue likely unrelated to WRC. To further diagnose the issue, run the scripts from following note:

[Document 760402.1](#) SCRIPTS TO DEBUG SLOW REPLAY

2) There is another timeout message that is considered normal but received due to the high capture process time:

```
2012-06-14 14:49:41.614224 :kecl.d.c@1744: Timeout is called  
2012-06-14 14:49:41.614345 :kecl.d.c@1789: Clean up finished threads
```

For example, if the capture process is taken for days, the replay will take longer period of time and may time out. In looking at the Replay report, it may be seen that processes are still running, but progress is slow due to the size of the capture.

It is recommended that Database Replay is started with a smaller duration of capture. As a thumb rule, it is recommend that Database Replay is one hour capture of representative workload. Do not jump directly to a larger duration capture like 12 hour or 24 hour. Once a one hour Database Replay run has worked well to satisfaction, one can move towards a larger duration of Database Replay.

To find the offending workload capture file, see:

[Document 1536695.1](#) How to Find the Offending Workload Capture File ( rec file ) when a Replay is Cancelled or Crashes

Please check the following document for a list of available patches for different releases:

[Document 560977.1](#) Using Real Application Testing Functionality in Earlier releases

## REFERENCES

[NOTE:1536695.1](#) - How to Find the Offending Workload Capture File ( rec file ) when a Replay is Cancelled or Crashes

[NOTE:560977.1](#) - Using Real Application Testing Functionality in Earlier Releases

[NOTE:1536588.1](#) - DBMS\_WORKLOAD\_REPLAY "Cancels Itself" When Sessions Include "Migrated Sessions"

[NOTE:1536143.1](#) - Troubleshooting: Slow DBMS\_Workload\_Replay.Process\_Capture