

Streams Service Review

General problems in the Streams Environment

List of the general problems observed in the Streams environment databases and list of actions to do.

- **Listener problems** @destination sites (mainly Tier1 databases)
 - ◆ ORA-12514: TNS: listener does not currently know of service requested in connect descriptor
 - ◆ ORA-12520: TNS: listener could not find available handler for requested type of server
 - ◆ **propagation job disabled after 16 consecutive errors** -> Tier 1 administrators will receive an email from the monitoring tool
 - ◆ sqlplus connection may still be possible
 - ◆ actions for Tier 1 administrators:
 - ◇ check the “lsnrctl services” output
 - must show service related to the Streams queue: Service "SYS\$STRMADMIN.STREAMS_QUEUE_ONL_AP.ATLR.CERN.CH" has 1 instance(s)
 - databases running LFC and LHCb Streams must have 2 services
 - ◇ fix the problem: listener configuration
 - ◇ re-start the propagation job using "strmpop" user (connect to the downstream database): `exec dbms_propagation_adm.start_propagation('%propagation_name%');`
- **Running out of space in the archive log area**
 - ◆ increase size shared storage
 - ◆ recommendation: use monitoring and alarms
- Network outage
 - ◆ send us an email with estimated resolution time
- **User-defined types not supported** by streams -> capture process aborted
 - ◆ use filter rules in order to skip those tables
- **User error encountered while applying**
 - ◆ run procedure ‘print_errors.sql’ shows details transactions in the error queue (strmadm user)
 - ◆ causes: human errors, streams misconfiguration,
 - ◇ ORA-01403: no data found
 - ◇ ORA-00955: name is already used by an existing object
 - ◇ **analyzed with the help of experiment’s administrators**
 - ◆ other causes: database administration related
 - ◇ ORA-01652: unable to extend tablespace
 - ◇ ORA-00060: deadlock detected while waiting for resource
 - ◆ actions for Tier 1 administrators (only in case of database administration related cause):
 - ◇ fix the problem: increase tablespace size, eliminate deadlock,
 - ◇ re-apply transaction in the error queue (connect as strmadm user): `exec dbms_apply_adm.execute_all_errors('%apply_name%');`
 - ◇ re-start apply process (connect as strmadm user): `exec dbms_apply_adm.start_apply('%apply_name%');`
- **ORA-12801, ORA-04039** when query gv\$views
 - ◆ database is up but monitoring shows it down
 - ◆ **adjust memory parameters**
- **knllgobjinfo: MISSING Streams multi-version data dictionary!!!**

- ◆ Warning messages reported when creating tables with constraints whether these are replicated or not.
- ◆ As they are one-time only errors reported on table creation and they do not affect Streams replication they can be safely ignored.
- ◆ Metalink note 471858.1

Known Streams bugs

List of the known bugs related to Oracle Streams, workarounds and fix patches.

In addition, check **Metalink Note:437838.1 - Recommended Patch for Streams**

Oracle version 10.2.0.4

- **ORA-600 [KWQBMCRPTS101]** after dropping Propagation job
 - ◆ Apply patches: 7263055 and 7480651 (check patch post-installation steps)
- **ORA-00600: [KWQPCBK179]**, memory leak from propagation job
 - ◆ Apply patch: 5933656
- **ORA-26687 when “drop table”** and 2 Streams setups between the same source and destination databases
 - ◆ Apply patch: 6452375
- ***ORA-600: [KNLQDQM2USR:4]**, apply aborted, after installing 10.2.0.4 patchset
 - ◆ Apply patch: 7033630 (check patch post-installation steps)

Oracle version 10.2.0.3

- Capture process is aborted with error **ORA-01280: Fatal LogMiner**
 - ◆ capture process running out of memory
 - ◆ **MLR for Streams and Logminer bugs 6081550**
 - ◆ re-start capture process
- **ORA-600 [KWQBMCRPTS101]** after dropping Propagation job
 - ◆ Streams queue is not usable => replication stops
 - ◆ **workaround:** remove the complete Streams setup and re-configure Streams without problematic propagation
 - ◆ **fixed on 11g, fix patch available on 10.2.0.4**
- **ORA-00600: [KWQPCBK179]**, memory leak from propagation job
 - ◆ observed after applying the fix patch
 - ◆ **new patch on top 10.2.0.4**
- **OEM agent blocks Streams processes**
 - ◆ stop_propagation procedure hangs
 - ◆ **fix patch 5330663**
- **CREATE VIEW ddl** is replicated when run **from a schema with select privilege on the replicated schema table**
 - ◆ new BUG: 6641199
 - ◆ **no fix patch available**
- Bug **recyclebin=on; after child table dropped: ORA-26687 on parent**

- ◆ Metalink note 412449.1
 - ◆ **workaround:** use “purge” option or disable constraints
 - ◆ **fixed on 10.2.0.4 and 11g**

 - **ORA-26687 when “drop table”** and 2 Streams setups between the same source and destination databases
 - ◆ table is not removed @destination [↗](#)
 - ◆ **workaround:** define schema rules in the apply processes
 - ◆ **fix patch available on top 10.2.0.4**

 - **APPLY gets stuck: APPLY SERVER WAITING FOR EVENT**
 - ◆ generic performance issue on RAC
 - ◆ apply processes stuck on different wait events like 'library cache lock' and 'cursor: pin S wait on X', ...
 - ◆ **apply the fixes for the following bugs: 5964485, 5907779 and 5977546**
-

This topic: PSSGroup > StreamsServiceReview

Topic revision: r3 - 2009-01-22 - EvaDafonte



Copyright &© 2008-2021 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

or Ideas, requests, problems regarding TWiki? use Discourse or Send feedback