Oracle Trace for OpenVMS

Release Notes

Release 7.2

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This document provides release notes for Oracle Trace for OpenVMS for the HP OpenVMS Industry Standard 64 for Integrity Servers and OpenVMS Alpha operating systems.
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Release Notes for Oracle Trace for OpenVMS
Release 7.2

This document provides release notes for Oracle Trace for HP OpenVMS Industry Standard 64 for Integrity Servers (OpenVMS I64) and OpenVMS Alpha operating systems. The two systems are collectively referred to as OpenVMS. The release notes describe restrictions and problems that have been corrected for this version of Oracle Trace for OpenVMS that are not documented elsewhere.

1.1 Kit Description

With this release, Oracle Trace for OpenVMS is being made available for the first time for the OpenVMS I64 operating system.

Kit Name: EPC0720

Kit Naming: Due to a change in monenclature between OpenVMS kit naming conventions and Oracle Trace, this kit will be displayed as version 72.0, rather than 7.2.0 when it is installed.

1.2 Installation Instructions

Prior to the installation, you must execute the following command on each node in the cluster that shares the same EPC$ADMIN_DB:

$ COLL STOP SYSTEM/ABORT

Install the kit using the VMSINSTAL utility by logging in to the SYSTEM account and typing the following command:

$ SYSSUPDATE:VMSINSTAL EPC0720 [saveset location]

The saveset location is a disk directory that contains the kit saveset.

After the installation, execute the command @SYS$STARTUP:EPC$STARTUP.COM to restart the EPC$REGISTRAR process.

Refer to the Oracle Trace for OpenVMS Installation Guide for release 7.2 for complete installation instructions.

1.3 Software Errors Fixed

This kit contains all fixes made to previous versions of Oracle Trace for OpenVMS and also addresses the problems described in the following sections.
1.3.1 ORACLE Trace Did Not Collect Data for the RDBVMS Facility

Oracle Trace did not collect data for the RDBVMS facility for Oracle Rdb release 7.1-100 and release 7.1-101. This was because the version number specified by Oracle Rdb to the Oracle Trace Service Routine EPC$INIT was V7.1-10, but the version number inserted by the Oracle Rdb installation into the module RDBVMSV7.1-10 in the Trace VMS SYS$SHARE:EPC$FACILITY.TLB text library was V7.1-100 or V7.1-101. This module could then be extracted and used to set the RDBVMS facility definition and version in the Trace Administration database. The version string passed to the Oracle Trace Service Routine EPC$INIT must match identically the version specified in the facility definition in the Trace Administration database. Because this was not true for the RDBVMS facility, when an RDBVMS Trace collection was scheduled, no RDBVMS data was collected.

This has been corrected for Oracle Rdb release 7.1-200 and later. The version number passed to EPC$INIT for the RDBVMS facility will exactly match the RDBVMS facility version inserted by the Oracle Rdb installation procedure into SYS$SHARE:EPC$FACILITY.TLB, which can then be used to define the RDBVMS facility in the Trace Administration database. For all Oracle Rdb 7.2-n releases, the version is V7.2.

The following example shows that for Oracle Rdb release 7.1-100 and release 7.1-101, the RDBVMS facility data was not getting collected (no arrow points to the RDBVMS facility) when the Oracle Trace COLLECT SHOW REGISTER/NOCLUSTER command is issued. Data is getting collected for the ATM_SAMPLE facility as indicated by the arrow.

$ COLLECT SHOW REGISTER/NOCLUSTER

Registrations actively collecting

Node: CLNODE Collection: SAMPLE Selection: SAMPLE_SELECTION

<table>
<thead>
<tr>
<th>Process</th>
<th>Process Name</th>
<th>Facility</th>
<th>Version</th>
<th>Registration Id</th>
</tr>
</thead>
<tbody>
<tr>
<td>20638408</td>
<td>_RTA2: RDBVMS</td>
<td>V7.1-100</td>
<td>ATM</td>
<td>ATM APPLICATION EXT</td>
</tr>
<tr>
<td>-&gt;</td>
<td></td>
<td>RDBVMS</td>
<td>V1.2-0</td>
<td>ATM APPLICATION EXT</td>
</tr>
</tbody>
</table>

The only workaround for this problem would be to change the version numbers in the Oracle Trace administration database tables from V7.100 or V7.101 to V7.1-10.

1.3.2 Finding the Transaction Type of a Particular Transaction within a Trace Database.

The table EPC$1_221_TRANSACTION in the formatted Oracle Trace database has a column named LOCK_MODE_START of longword datatype. The values of this column indicate the type of transaction a particular transaction was:

<table>
<thead>
<tr>
<th>Value</th>
<th>Transaction Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Read only</td>
</tr>
<tr>
<td>9</td>
<td>Read write</td>
</tr>
<tr>
<td>14</td>
<td>Batch update</td>
</tr>
</tbody>
</table>
1.3.3 ORACLE Trace Collect Format Command Could Not Create a Database After Rdb Upgrade

There was a problem with Oracle Trace V2.4.1 where, after an upgrade to Oracle Rdb release 7.0.7.1, the Collect Format command was no longer able to successfully create the database where the formatted data is stored. This problem was fixed in Oracle Trace V2.4.1.1 update 01. Note that this problem has been fixed in Oracle Trace, not Oracle Rdb.

The following example shows the problem that the Oracle Trace Collect Format command had creating a database when Oracle Rdb was upgraded to Oracle Rdb release 7.0.7.1.

$ COLLECT FORMAT SAMPLE_DATA.DAT SAMPLE_DATA.RDB
%EPC-E-FMT_FAILURE, Formatting failed
-RDMS-F-NOEUACCESS, unable to acquire exclusive access to database
%EPC-E-OPFAIL, Operation failed