Supported Operating Systems and DBMS Versions for Oracle Environments

This topic describes the Oracle Database Management System (DBMS) versions that are supported by Delphix, as well as the compatible operating systems (OS), for use on target and source environments.

**Source and Target OS and DBMS Compatibility**

The source and target must be running the same DBMS/Operating System combination (for example, Oracle 10.2.0.4 on RHEL 5.2) in order to successfully provision a VDB to the target. If the DBMS versions are compatible, the OS version on a target host can be different from the OS version on the source host.

**Supported DBMS Versions**

- Oracle 9.2.0.8
- Oracle 10.2
- Oracle 11.1
- Oracle 11.2
- Oracle 12.1

**Oracle 9.2.0.8**

The Delphix Engine has limited support for Oracle 9.2.0.8 and cannot link to a database that has a compatibility setting lower than 9.2.0.8.

Delphix features supported with Oracle 9.2.0.8:

<table>
<thead>
<tr>
<th>Feature</th>
<th>dSource</th>
<th>VDB</th>
</tr>
</thead>
<tbody>
<tr>
<td>SnapSync</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>LogSync</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Rewind</td>
<td>Not Applicable</td>
<td>No</td>
</tr>
<tr>
<td>V2P (virtual to physical)</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>RAC</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Standby Database</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Oracle 10.2.0.4**

The Delphix Engine does not support Oracle 10.2.0.4 databases using Automatic Storage Management (ASM) that do not have the patch set for Oracle Bug 7207932. This bug is fixed in patch set 10.2.0.4.2 onward.
**Oracle 12.x**

Delphix does not currently support the Oracle 12.x feature of THREADED_EXECUTION being set to TRUE, because this disables OS authentication.

Here is a summary of Delphix features supported and not supported on Oracle 12c...

**Supported**

- Linking from single-instance (non-RAC) and clustered (RAC) 12c PDBs sources
- Hooks on 12c PDB sources and VPDBs
- dSources from 12c PDBs on physical standby CDBs
- dSources from 12c PDBs as JetStream templates
- Provisioning VPDBs to single-instance (non-RAC) and clustered (RAC) 12c CDBs
- VPDBs as JetStream templates and/or containers
- Migrating VPDBs to another compatible 12c CDB and/or another compatible target environment

**Not supported**

- Provisioning a "virtual CDB" (i.e. VCBD) on the target database server; Delphix requires that the CDB on the target server be provided to support VPDBs.
- No VCDB provision means the following are not supported:
  - Customize init.ora database parameter during provisioning of a VPDB
  - Use VDB template for VPDB provisioning
  - Resize number of RAC VPDB cluster nodes
  - Customize online redo log size and group number for VCDB
  - Customize archive log mode for VCDB
  - Customize local listener for non RAC VCDB
  - Set new DBID for VCDB
  - Re-attaching dSources from 12c PDBs, after detaching
  - Resumable SnapSync for the first SnapSync from 12c PDBs
  - Cross-platform provisioning (XPP) to VPDBs
  - V2P from 12c dSources or VPDBs
  - **Delphix does not support provisioning from a Oracle 12c dSource when TDE is enabled on the dSource.**

**Supported Operating Systems**

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Version</th>
<th>Processor Family</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solaris</td>
<td>9, 10U5 - 10U11, 11U1, 11U2</td>
<td>SPARC</td>
</tr>
<tr>
<td>Solaris</td>
<td>10U5 - 10U11, 11U1, 11U2</td>
<td>x86_64</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux</td>
<td>4.7, 4.8, 4.9, 5.3 - 5.11, 6.0 - 6.6, 7.0 - 7.2</td>
<td>x86_64</td>
</tr>
<tr>
<td>Oracle Enterprise Linux</td>
<td>5.3 - 5.11, 6.0 - 6.6</td>
<td>x86_64</td>
</tr>
<tr>
<td>Novell SUSE Linux Enterprise Server</td>
<td>10, 10SP1, 10SP2, 10SP3, 11, 11SP1, 11SP2, 11SP3</td>
<td>x86_64</td>
</tr>
<tr>
<td>AIX</td>
<td>5.3, 6.1, 7.1</td>
<td>Power</td>
</tr>
<tr>
<td>HP-UX</td>
<td>11i v2 (11.23), 11i v3 (11.31)</td>
<td>IA64</td>
</tr>
</tbody>
</table>

Delphix supports all 64-bit OS environments for source and target, though 64-bit Linux environments also require that a 32-bit version of glibc is installed.
Required HP-UX patch for Target Servers

PHNE_37851 - resolves a known bug in HP-UX NFS client prior to HP-UX 11.31.

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