Release Schedule of Current Database Releases (Doc ID 742060.1)

In this Document

APPLIES TO:

Oracle Database - Standard Edition - Version 10.1.0.5 and later
Oracle Database Cloud Schema Service - Version N/A and later
Oracle Database Exadata Cloud Machine - Version N/A and later
Oracle Database Cloud Exadata Service - Version N/A and later
Oracle Database Backup Service
Information in this document applies to any platform.

DETAILS

> **To be notified when this document changes:** Mark this article as a Favorite, and follow the instructions for Email Notification in KM Doc ID: 793436.2

This document includes a roadmap, upgrade recommendations, and a release schedule along with pertinent support information for Oracle Database releases (Major, Patch Set and Annual Releases). The content below represent the most accurate information Oracle can provide and is updated frequently. Because Support cannot provide any dates other than these to customers, please do not log a Service Request asking for a schedule update.

What's New?

- **19c Database released on-premises for Oracle Solaris SPARC (64-bit) (26-Apr-2019)**
- **19c Database released on-premises for Linux x86-64 (25-Apr-2019)**
- **19c Supercluster released (22-Feb-2019)**
- **19c Exadata released on-premises (13-Feb-2019)**

Oracle Database Release Roadmap

To help you plan ahead, below is a roadmap that captures Oracle Database Releases (incl. annual and patch sets) from 11.2 and later, showing their lifetime support stages and duration in relationship to the overall life of the release. For a table with this data, see Table 3 - Patching End Dates below.
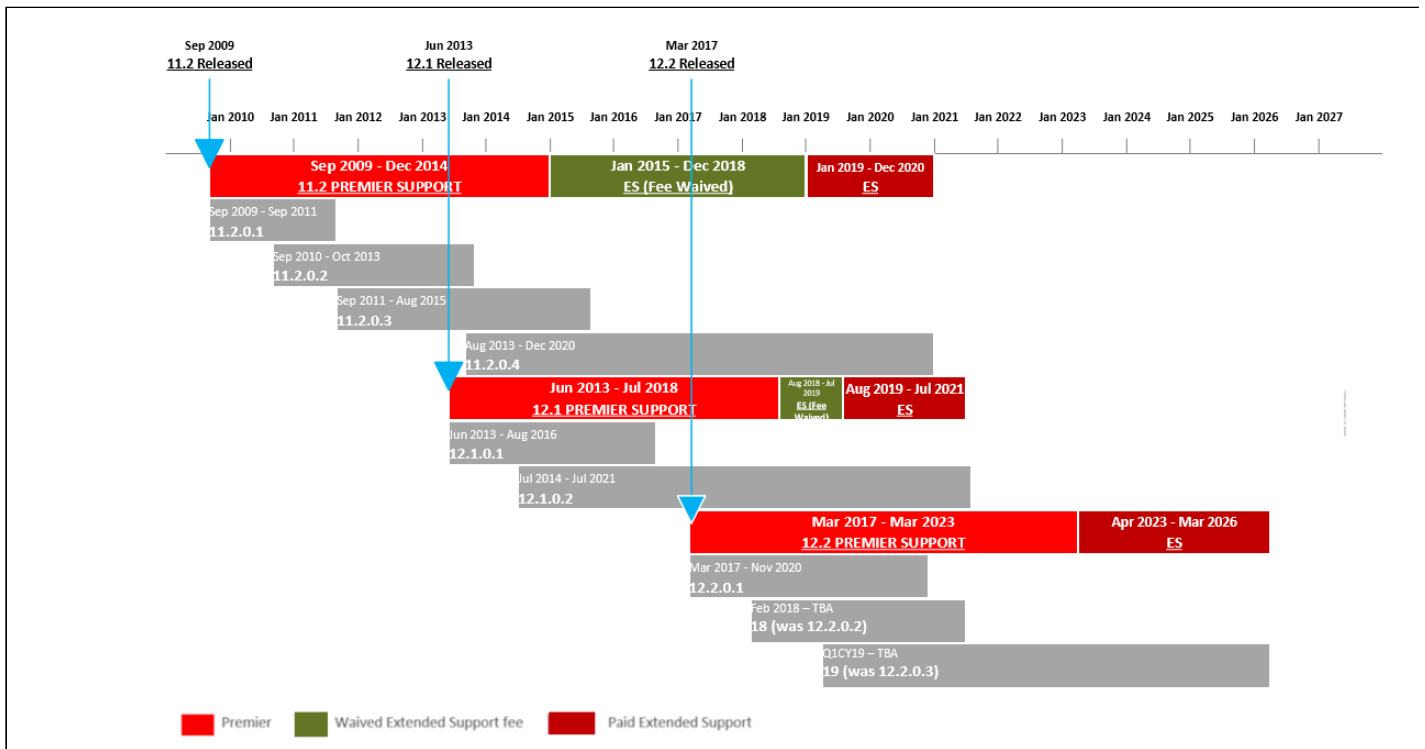

Figure 1 - Database Release Roadmap

Beginning with Release 12.2: New releases will be annual and the version will be the last two digits of the release year. The release originally planned as 12.2.0.2 was released as 18, and the release originally planned as 12.2.0.3 will be release 19. For Lifetime Support purposes, Releases 18 and 19 will be under the 12.2 umbrella. Release 19 will be the last release ("long term support" release) for 12.2. Instead of Patch Sets, Patch Set Updates, and Database Bundle Patches, the new releases will be maintained with Updates and Revisions, so Patch Sets will no longer be shown in the roadmap for 12.2 and later. For more information see Update and Revisions for Database Proactive Patch Program (Doc ID 2285040.1).

Releases 12.1 and earlier: Patch sets were released periodically. For Database 11.2 and 12.1, the terminal (last) patch set has been released. Proactive patches such as Patch Set Updates (PSU) are released only on those terminal patch sets.

If needed, click here to download the Database Release Roadmap image

How To Interpret The Roadmap 🟨 UPD

The Roadmap above is a visual representation of our past and current release models and their corresponding Premier and Extended Lifetime Support Policy (LSP) windows (shown in red/dark red above):

- Past: (Pre-12.2)--Major Release Model e.g. 11.2, 12.1
- Current: (12.2 onward)--Annual Release Model e.g. 12.2, 18c, 19c, onward

For Pre-12.2 releases managed under the Major Release Model, the grey lines underneath each colored LSP line represent the release dates and patching end dates of the Patch Sets that were released for that major release. During the Patch

Set windows, Oracle proactively issues(d) quarterly Patch Set Updates (PSUs) until their patching end date was reached. If you require a new patch after the end of patching has been reached, contact your Customer Account Representative to see if it's feasible to request a Sev 1 Customer Exception; either Extended Support or Market Driven Support (MDS) must exist on the account.

For releases 12.2 onward, which are part of our Annual Release Model, the grey lines underneath each colored LSP line represent the release dates and patching end dates for the Annual Releases that fall within a 3 year grouping of releases (e.g. family). Currently, 12.2 is the beginning of the 12.2 Annual Release family which includes 18c and 19c. Next year in 2020, its proposed that the 20c release will begin a new LSP family. (Future dates for annual releases are shown based as a general plan - actual dates may vary. For the most up-to-date schedule, see Table 2 - Database Release Schedule below). During the Annual Release window, Oracle will proactively issue quarterly Release Updates (RU) and Revisions (RURs) for the Annual release. If an Annual release family is still in Premier Support but the patching end date for a specific annual release is reached (e.g. allocated grace period for upgrading to the next or latest Annual release has expired), Oracle will no longer provide patches without an approved Customer Exception. Contact your Customer Account Representative to see if its feasible to request a Sev 1 Customer Exception.

- For the LSP policy, see Lifetime Support Policy - Oracle Technology Products.
- For the Error Correction Policy (Patching end dates and grace periods), see Database, FMW, EM Grid Control, and OCS Software Error Correction Support Policy (Doc ID 209768.1).
- For Global ES Fee Waiver details (shown in green above), see Oracle Software Technical Support Policies Section 3 "Lifetime Support" subtitle "Exceptions"
  - **ES Fee Waivers** - Global ES Fee Waivers are waivers that have been granted for all customers for a specific Major or Annual Release. During the waiver window, you will continue to receive support as if the release was still covered under an active patching cycle (e.g. end of patching has not been reached).

Recommended Upgrade Path

Oracle recommends the following upgrade options:

- If you are currently running 11.2.0.4/12.1.0.2 and you pay Extended Support fees or you have an Unlimited License Agreement with no immediate need to upgrade, Oracle Database 19c is a good choice. The production release of Oracle Database 19c is scheduled for on-premises availability in CY2019 (See Table 2 - Database Release Schedule below for estimated release dates).
- If you are currently running 11.2.0.4/12.1.x and you need to upgrade now, 18c is a good choice.
  - **NOTE:** Oracle Database 18c will be supported for 24 months after 19c is released on-premises.

> **NOTE:** Oracle Database 19c is the Long Term Support Release or "Terminal Patch Set" for Oracle Database 12.2 Release.

The purpose of these recommendations is to help you stay within the guidelines of Lifetime Support and Error Correction Policies (allowing you to avoid costly support exceptions), and to encourage you to take advantage of the new features that are available in the latest product releases.

For questions related to certification combinations and Lifetime Support agreements with other Oracle products like Oracle E-Business Suite, Oracle JD Edwards, Oracle PeopleSoft, and Oracle Siebel, please contact your Oracle Account Representative.

Lifetime Support Patching (Error Correction) & Upgrade Path for Oracle Database

Release	Patching End Dates (Error Correction)	Extended Support End Dates	Direct Upgrade Path to 19c
Database 11.2			
DB 11.2.0.1 (Initial Release)	13-Sep-2011	n/a	No

DB 11.2.0.2 (Patch Set)	31-Oct 2013	n/a	No
DB 11.2.0.3 (Patch Set)	27-Aug-2015	27-Aug-2015	No
DB 11.2.0.4 (Terminal Patch Set)	31-Dec 2020 (ES Fee waived through 31-Dec-2018)	31-Dec-2020 (Requires ES Fees paid or Unlimited License Agreement w/ES enabled (ULA)	Yes
Database 12.1			
DB 12.1.0.1(Initial Release)	31-Aug-2016	n/a	No
DB 12.1.0.2 (Terminal Patch Set)	31-Jul-2021 (ES Fee waived through 31-Jul-2019)	31-Jul-2021 (Requires ES Fees paid or Unlimited License Agreement w/ES enabled (ULA)	Yes
Database 12.2			
DB 12.2.0.1 (Initial Release)	20-Nov-2020	n/a	Yes
DB 18 (Annual Release)	TBD (24 months after 19c releases on-premises)	n/a	Yes
DB 19 (Long Term Release)	31-Mar-2026 **	31-Mar-2026 ** (Requires ES Fees paid or Unlimited License Agreement w/ES enabled (ULA)	

Table 1 - Recommended Upgrade Patch

> * - Patching end date for 12.2.0.1 has changed and is now 20-Nov-2020

> ** - Extended Support end date for 19c has been extended to Mar 2026

Oracle Database Release Schedule

These are server releases unless otherwise specified. Server releases always include the native word size client (e.g. 64-bit). Where the platform supports it, a 32-bit and 64-bit client is also part of the release.

Platform	19	18	12.2.0.1	12.1.0.2[9]	12.1.0.1[2,10]	11.2.0.4[8]	11.2.0.3	11.2.0.2

Oracle Public Cloud Releases

Exadata		TBD	18-Sep-	N/A				

Express Cloud Service			2016				
Database Cloud Service	2HCY19	1-Mar-2018	4-Nov-2016	Sep-2014	N/A	Sep-2014	N/A
Exadata Cloud Service	2HCY19	Jun-2018	4-Nov-2016	Oct-2015	N/A	Oct-2015	N/A
Exadata Cloud at Customer	2HCY19	May-2018	2-May-2017	Dec-2016	N/A		

On-Premises Engineered Systems **Same software as released for other platforms but tested on Engineered Systems**

Oracle Database Appliance	2HCY19	7-Mar-2018	17-Nov-2017	Apr 2014	N/A	Oct 2013	N/A
Exadata	13-Feb-2019	16-Feb-2018	10-Feb-2017	Oct 2014	Mar 2013	Nov 2013	N/A
Supercluster	22-Feb-2019	12-Mar-2018	10-Feb-2017	Nov 2014	Apr 2014	Dec 2013	N/A

On-Premises Server Releases (includes client)

Linux x86	Not planned	Not planned	Not planned	Not planned	Not planned	28-Aug-2013	23-Sep-2011	13-Sep-2010
Linux x86-64	25-Apr-2019	23-Jul-2018	1-Mar-2017	22-Jul-2014	25-Jun-2013	27-Aug-2013	23-Sep-2011	13-Sep-2010
Oracle Solaris SPARC (64-bit)	26-Apr-2019	30-Jul-2018	1-Mar-2017	22-Jul-2014	25-Jun-2013	29-Aug-2013	1-Oct-2011	24-Sep-2010
Oracle Solaris x86-64 (64-bit)	Q2CY19	6-Aug-2018	1-Mar-2017	22-Jul-2014	25-Jun-2013	29-Aug-2013	1-Oct-2011	24-Sep-2010
Microsoft Windows x64 (64-bit)	Q2CY19	21-Aug-2018	16-Mar-2017	25-Sep-2014	9-Jul-2013	25-Oct-2013	11-Nov-2011	15-Dec-2010
HP-UX Itanium[7]	Q2CY19	20-Nov-2018	13-Apr-2017	14-Nov-2014	9-Jan-2014	10-Oct-2013	29-Oct-2011	19-Oct-2010
HP-UX PA-RISC (64-bit) See footnote 6 below	Platform desupported 6	Platform desupported 6	Platform desupported 6	Platform desupported 6	Platform desupported 6	2-Jan-2014	16-Feb-2012	15-Mar-2011
IBM AIX on POWER Systems	Q2CY19	20-Nov-2018	13-Apr-2017	14-Nov-2014	9-Jan-2014	10-Oct-2013	29-Oct-2011	19-Oct-2010
IBM Linux on System z	Q2CY19	20-Nov-2018	6-Jun-2017	14-Nov-2014	9-Jan-2014	9-Jan-2014	1-Dec-2011	30-Mar-2011

Microsoft Windows (32-bit)	Not planned	Not planned	Not planned	Not planned	Not planned	25-Oct-2013	11-Nov-2011	15-Dec-2010
Platform	**19**	**18**	**12.2.0.1**	**12.1.0.2[9]**	**12.1.0.1[2,10]**	**11.2.0.4[8]**	**11.2.0.3**	**11.2.0.2**

Apple macOS (Intel) download			15-Jan-2018	2016	Not planned	20-Apr-2014 Download	31-Jan-2013 Instant Client only	Not planned
IBM Linux on POWER (Big Endian)				18-Dec-2015 (download)		4-Dec-2014		
IBM Linux on POWER (Little Endian)		31-Oct-2018 (download)	7-Jun-2017 (download)	18-Dec-2015 (download)				

(No further Database releases will be ported to this platform)

Apple Mac OS X (PowerPC)	Platform desupported							
HP OpenVMS Alpha	Platform desupported							
HP OpenVMS Itanium						23-Jul-2015		
HP Tru64 UNIX	Platform desupported							
IBM Linux on POWER	Platform desupported (see Doc ID 1310584.1)							
IBM z/OS on System z	Platform desupported (see Doc ID 461234.1)							
Linux Itanium[7]	Platform desupported (see Doc ID 1130325.1)							
Microsoft Windows Itanium (64-bit)[7]	Platform desupported (see Doc ID 1307745.1)							
Oracle Solaris x86 (32-bit)	Platform desupported							
Platform	**19**	**18[2]**	**12.2.0.1[2]**	**12.1.0.2[9]**	**12.1.0.1[2,10]**	**11.2.0.4[8]**	**11.2.0.3**	**11.2.0.2**

Table 2 - Database Release Schedule

Legend:
Qn CYyyyy: Date falls within the nth Quarter (3 month period) of the Calendar Year specified. For example Q2 CY 2019 means "sometime within the second quarter of 2019, ie between April and June 2019".

Patching End Dates for Patch set and Annual Releases

The dates below show the last date Oracle will provide patches, release Updates (12.2 and later) or PSUs and CPUs/SPUs (12.1 and earlier) on all platforms. After the patching end date, Oracle will no longer provide patches (including Updates, Patch Set Updates (PSU) and Security Patch Updates (SPU)) for that release on any platform. This period is to allow customers adequate time to plan for the installation of the latest annual release. A full description of the patching support policies is given in [Database, FMW, EM Grid Control, and OCS Software Error Correction Support Policy (Doc ID 209768.1)](#).

The LSP and patching end dates are as follows unless noted otherwise in Table 2 - Database Release Schedule above.

Release	Premier Support Ends	Extended Support Ends	Patching Ends	Notes and Exceptions*
19c	31-Mar-2023	31-Mar-2026	31-Mar 2026	(a.k.a. Long Term Support Release for 1 Extended Support fees will be required k
18c	TBD	N/A	TBD	(a.k.a. Annual Release for 12.2) Patching will end 24 months after 19c is
12.2.0.1	20-Nov-2020	N/A	20-Nov-2020	Patching for 12.2.0.1 will end Nov 20, 20 There is no Extended Support for 12.2.0
12.1.0.2	31-Jul-2018	31-Jul-2021	31-Jul-2021	Extended Support fees waived through J Beginning Aug 1, 2019 an ES service cor
12.1.0.1	31-Aug-2016	N/A	31-Aug-2016	Patching has ended for this release. There is no extended support for 12.1.0
11.2.0.4	1-Jan-2015	31-Dec-2020	31-Dec-2020	Premier Support ended 01-Jan-2015 but
11.2.0.3	27-Aug-2015	27-Aug-2015	27-Aug-2015	Patching has ended for this release. Premier Support ended Jan 2015 but ES
11.2.0.2	31-Oct-2013	N/A	31-Oct-2013	Patching has ended for this release. There is no extended support for 11.2.0
11.2.0.1	13-Sep-2011	N/A	13-Sep-2011	Patching has ended for this release Patc There is no extended support for 11.2.0
11.1.0.7	31-Aug-2012	31-Aug 2015	31-Aug-2015[7]	Patching has ended for this release. **HP**
11.1.0.6		N/A	18-Sep-2009	Patching has ended for this release. There is no extended support for 11.1.0
10.2.0.5	31-Jul-2010	31-Jul-2015	31-Jul-2015[7]	

				All platforms - standard Extended S or SPU will be produced). See Oracle S **HP-UX, Linux, and Windows Itanium**
10.2.0.4	**Jul-2010**	**Jul-2011**	**31-Jul-2011**	See Doc 1293180.1. Database Patch Se

Table 3 - Patching End Dates

Footnotes:

111.1.0.7 was the last patch set for Release 11.1. See Patch Set Updates for Oracle Products (Doc ID 854428.1) for additional details.

2 Base release - Full software release obtained from edelivery or downloaded from otn.oracle.com.

310.2.0.5 was the last patch set for Release 10.2. See Patch Set Updates for Oracle Products (Doc ID 854428.1) for additional details.

4The **start of Extended Support** no longer forces customers to run the last patch set in order to receive new fixes (such as PSU or CPU).

5Patching end dates for terminal patchsets of a release are equivalent to the end of Extended Support. An Extended Support contract is required to receive patches once a release enters the Extended Support phase. See the Lifetime Support Policy covering Technology Products for dates of Extended Support.

6 Oracle Database Release 11.2 on HP-UX PA-RISC. See Support Status for Oracle Database on HP-UX PA-RISC systems (Doc ID 1313798.1) for details.

7 Itanium-based Systems (HP-UX, Windows, and Linux): Additional Extended Support was made available for these platforms. The patching end date table above reflects the new end of Extended Support. See Oracle Software Technical Support policies for more details

8 11.2.0.4 is the last patch set for Release 11.2. Future integrated error correction will come in the form of Patch Set Updates. See Patch Set Updates for Oracle Products (Doc ID 854428.1) for current details.

9 12.1.0.2 is the last patch set for Release 12.1. Future integrated error correction will come in the form of Patch Set Updates. See Patch Set Updates for Oracle Products (Doc ID 854428.1) for current details.

10 12.1.0.1 is the last release of Standard Edition (SE) and Standard Edition One (SE1). SE/SE1 customers should consider migrating to 12.1.0.2 Standard Edition 2 (SE2). For more information, see Oracle Database 12c Standard Edition 2 (12.1.0.2) (Doc ID 2027072.1).

* N/A - Not Applicable, i.e. does not apply to.

ACTIONS

The dates published in this document are for planning and discussion purposes only.

CONTACTS

Change History

Only significant changes to content (such as new or changed dates, new releases, or clarifications) beginning 1-Nov-2015 are listed below. Minor wording or formatting changes are not recorded.

If you want to receive a notification of any change to this document, mark this article as a Favorite, and follow the instructions for Email Notification in "Staying Informed" section of My Oracle Support Resource Center for New Users (Doc ID 1959163.1).

Date	What Changed
Apr 26, 2019	Database 19c released on Oracle Solaris SPARC (64-bit)
Apr 25, 2019	Database 19c released on Linux x86-64
Mar 18, 2019	Modified estimated release dates for EXACS, DBCS, and ODA to Q2CY19
14-Mar-2019	Added release date for Supercluster
04-Feb-2019	Changed the expected release of Exadata Cloud at Customer from Q1CY19 to 2HCY19
12-Dec-2018	Reorgnized document structure, removed outdated content; Modified recommended Upgrade Path table - adde
07-Dec-2018	Updated Roadmap png with 12c (Nov 20, 2020) and 19c ES dates
07-Dec-2018	Multiple changes: Added remaining 18c release dates, added 19c expected release dates, renamed "Database and removed deprecated releases: "Oracle Cloud Infrastructure", "Oracle Cloud at Customer", "MiniCluster"
12-Oct-2018	Modified dates for AIX, HP-UX Itanium and z/Linux. New timeframe - Nov 2018.
10-Oct-2018	Added Upgrade Path section
05-Sep-2018	Provided release dates for Exadata CC, Exadata CS, OCI, Updated MDS timeframe to include Aug 1, 2018-July
30-Aug-2018	Modified dates for AIX, HP-UX Itanium and z/Linux. New timeframe - Oct 2018.
22-Aug-2018	Added 18c on Microsoft Windows x64 (64-bit)
07-Aug-2018	Added 18c on Oracle Solaris x86 (64 bit) release, reinstated the original LSP png, and replacead RU and RUR v
06-Aug-2018	Added 18c on Solaris Sparc (64 bit) release (July 30)
23-Jul2-2018	Added 18c Linux.x64 release, updated expected release dates on additional platforms.
29-Jun-2018	Added expected release date for 18 on prem
19-Mar-2018	Added 18c release dates for ODA and SuperCluster
5-Mar-2018	Corrected release date for 18c in Cloud - 1-Mar, not 16 Feb. Changed planned date for Exadata Cloud Service - Database
16-Feb-2018	Updated many areas to reflect the release of 18c on Engineered Systems
2-Feb-2018	Clarified in the description of the roadmap that bars start with the first release which may be in the Oracle Clo
18-Jan-2018	Added column for release 18 to the table of releases
8-Jan-2018	Added release dates for 12.2.0.1 on Cloud@Customer and ODA
31-Oct-2017	Corrected 12.2.0.1 bar in Roadmap, erroneously shown as 2 year should be 3
8-Aug-2017	Added clarification releases 18 and 19 are considered part of 12.2 for Lifetime Support Policy purposes, and in release, this may change to release 20 in the future.
2-Aug-2017	Updated Release Roadmap section to reflect new release model for DB 12.2 and later. Updated roadmap chart

6-Jul-2017	Formatting changes, remove some information about 10.2 ES fee waiver (no longer relevant)
30-Jun-2017	Added link to download the DB Roadmap since some customers cannot see it in this document.
8-Jun-2017	updated "On-Premises Server Releases" table for 12.2.0.1 on IBM Linux on System z
7-Jun-2017	Added release dates for Db Instant Client 12.2.0.1 for Linux on POWER LE
14-Apr-2017	Added release dates for 12.2 on AIX and HP-UX Itanium
21-Mar-2017	Added release of 12.1.0.2 MacOS Instant Client (historical, it was released in 2016) and a link to download pag
16-Mar-2017	Changed date for 12.2 on Oracle Data Appliance to CY2017
16-Mar-2017	12.2 released on Windows x64
1-Mar-2017	12.2 released on Linux x86-64, Solaris SPARC, and Solaris x86-64
10-Feb-2017	12.2 released on Exadata and SuperCluster
31-Jan-2017	Added MiniCluster to the Engineered Systems table
26-Jan-2017	Updated dates for 12.2 on-premises, added Exadata and Cloud release tables, new roadmap diagram, added : waiver
20-Apri-2016	Release window for 12.2.0.1 pushed to 2HCY2016
23-Mar-2016	Changed patching end date table for 10.2.0.5 to reflect availability of Market Driven Support through July 2017
20-Dec-2015	Added release date and download link for 12.1.0.2 Linux on Power little endian client
4-Nov-2015	Added this change history section

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