Release Schedule of Current Database Releases (Doc ID 742060.1)

In this Document

APPLIES TO:

Oracle Database Cloud Exadata Service - Version N/A and later
Oracle Database - Enterprise Edition - Version 10.1.0.5 and later
Oracle Database Exadata Express Cloud Service - Version N/A and later
Oracle Database Cloud Service - Version N/A and later
Oracle Database - Personal Edition - Version 10.1.0.5 and later
Information in this document applies to any platform.

DETAILS

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This document includes a roadmap, upgrade recommendations, and a release schedule along with pertinent support information for Oracle Database releases (patch sets 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.

> **Disclaimer:**
>
> **The dates published in this document are for planning and discussion purposes only. It is intended solely to help you plan your I.T. projects. The dates are not a firm development plan. The release and timing of any platforms are subject to change at any time and at Oracle's sole discretion.**
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What's New?

- **12c, 18, 19 Extended Support Dates (See Figure 1, Tables 2 & 3)**
- **Added Estimated release dates for 19c (See Figure 1, Tables 2 & 3)**
- **Reorganized document content but retained major sections**

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.
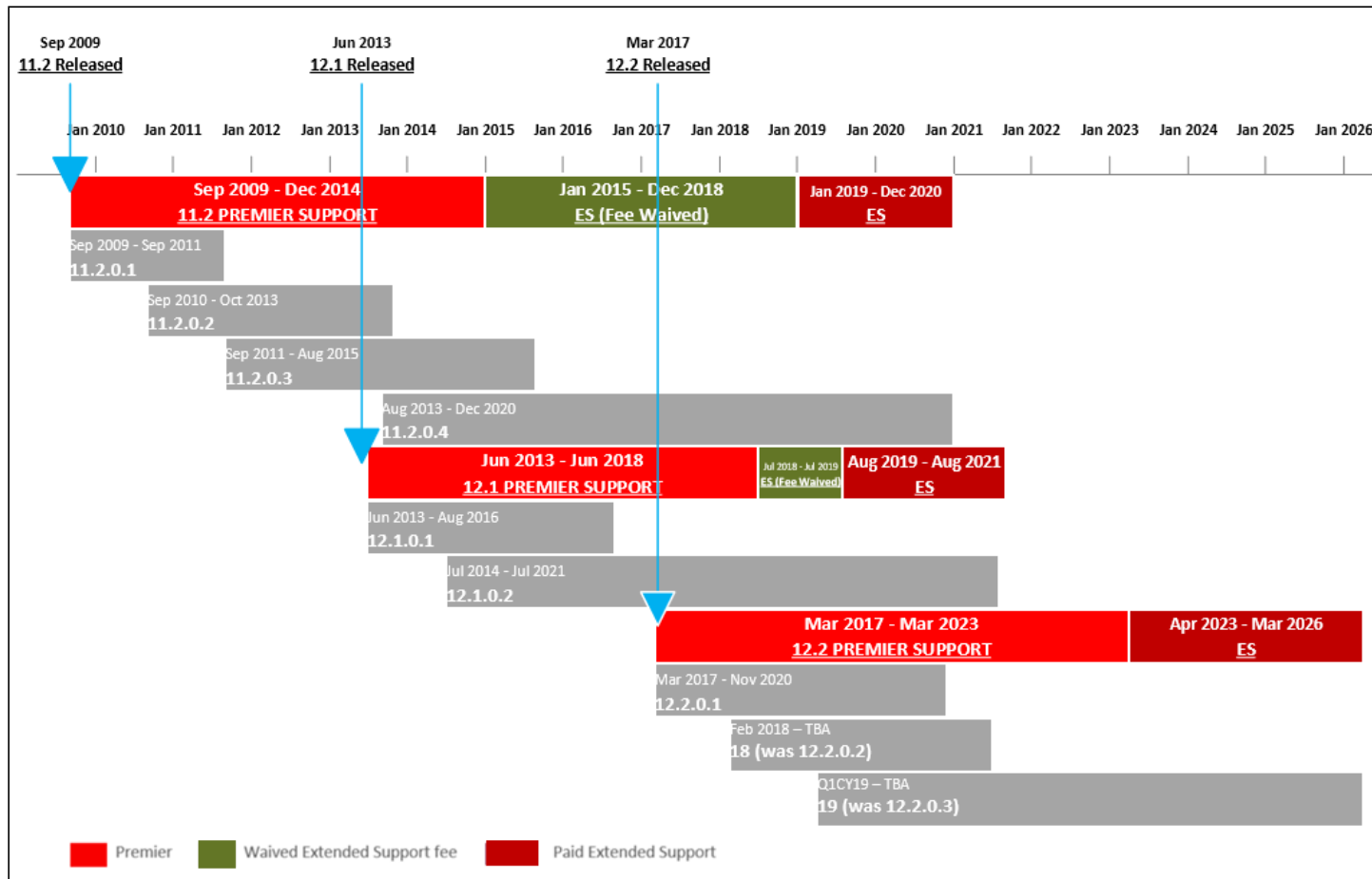
Figure 1 - Database Release Roadmap

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

The Roadmap represents both the past Database release model (major release plus up to three Patch Sets) and the new Annual release model which applies to 12.2 and later (12.2, 18, 19+). There is a colored line for each Lifetime Support Policy (LSP) lifecycle showing the Premier and Extended Support periods. Underneath the LSP line are smaller lines for annual releases or patch sets which fall within the LSP lifecycle for that release. They indicate the support windows - the period during which Oracle proactively issues quarterly Updates or Patch Set Updates (PSU). For the LSP policy, see Lifetime Support Policy - Oracle Technology Products.

Future dates for annual releases are shown based on a general plan - actual dates may vary. For the most up-to-date schedule, see *Table 2 - Database Release Schedule* below.

ES Fee Waivers - Sometimes the fee for Extended Support is waived for all customers. When this occurs, the waiver is automatic for all customers and you continue to receive support as if the release was still in Premier Support. Details on Extended Support fee waivers for all releases can be found in Oracle Software Technical Support Policies in section 3 "Lifetime Support" subtitle "Exceptions".

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)	23-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 23-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	11.2.0.1[2]	11.1.0.7[1]	10.2.0.5[3]	10.2.0.4[4]	10.1.0
Oracle Public Cloud Releases													
Exadata Express Cloud Service		TBD	18-Sep-2016	N/A									
Database Cloud Service	Q1CY19	1-Mar-2018	4-Nov-2016	Sep-2014	N/A	Sep-2014	N/A						
Exadata Cloud Service	Q1CY19	Jun-2018	4-Nov-2016	Oct-2015	N/A	Oct-2015	N/A						
Exadata Cloud at Customer	Q1CY19	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	Q1CY19	7-Mar-2018	17-Nov-2017	Apr 2014	N/A	Oct 2013	N/A						
Exadata	Q1CY19	16-Feb-2018	10-Feb-2017	Oct 2014	Mar 2013	Nov 2013	N/A						

Supercluster	Q1CY19	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	1-Sep-2009	18-Sep-2008	30-Apr-2010	22-Feb-2008	30-Jan 2006
Linux x86-64	Q2CY19	23-Jul-2018	1-Mar-2017	22-Jul-2014	25-Jun-2013	27-Aug-2013	23-Sep-2011	13-Sep-2010	1-Sep-2009	18-Sep-2008	30-Apr-2010	17-Mar-2008	24-Feb 2006
Oracle Solaris SPARC (64-bit)	Q2CY19	30-Jul-2018	1-Mar-2017	22-Jul-2014	25-Jun-2013	29-Aug-2013	1-Oct-2011	24-Sep-2010	6-Nov-2009	06-Oct-2008	19-May-2010	30-Apr-2008	05-Feb 2006
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	25-Nov-2009	*Not planned*	19-May-2010	13-Nov-2008	*Not planned*
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	2-Apr-2010	13-Nov-2008	27-Jul-2010	16-May-2008	*Not planned*
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	22-Dec-2009	06-Oct-2008	3-Jun-2010	30-Apr-2008	07-Jun 2006
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	20-May-2010	11-Nov-2008	15-Dec-2010	02-Jun-2008	05-Feb 2006
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	22-Dec-2009	06-Oct-2008	3-Jun-2010	15-May-2008	05-Feb 2006
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	*Not planned*	*Not planned*	3-Jan-2011	16-Dec-2008	26-Aug 2006
Microsoft Windows (32-bit)	*Not planned*	*Not planned*	*Not planned*	*Not planned*	*Not planned*	25-Oct-2013	11-Nov-2011	15-Dec-2010	5-Apr-2010	10-Oct-2008	19-Jul-2010	17-Mar-2008	13-Feb 2006

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	11.2.0.1[2]	11.1.0.7[1]	10.2.0.5[3]	10.2.0.4[4]	10.1.0

Instant Client-Only Releases

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	11.2.0.1[2]	11.1.0.7[1]	10.2.0.5[3]	10.2.0.4[4]	10.1.0
Apple macOS (Intel) download			15-Jan-2018	2016	*Not planned*	20-Apr-2014 Download	31-Jan-2013 *Instant Client only*	*Not planned*	*Not planned*	*Not planned*	*Sched TBA*	10-April-2009 *Single Instance only*	*Not planne*
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)									

Desupported Server Platform Releases

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

Platform	19	18	12.2.0.1	12.1.0.2	12.1.0.1	11.2.0.4	11.2.0.3	11.2.0.2	11.2.0.1	11.1.0.7	10.2.0.5	10.2.0.4	10.1.0
Apple Mac OS X (PowerPC)	*Platform desupported*												08-Jan-2007
HP OpenVMS Alpha	*Platform desupported*										31-Oct-2012	15-Dec-2008	15-Feb-2008
HP OpenVMS Itanium					23-Jul-2015						31-Oct-2012	15-Dec-2008	Not planne
HP Tru64 UNIX	*Platform desupported*										21-Apr-2011	20-Feb-2009	18-Oct-2006
IBM Linux on POWER	*Platform desupported* (see Doc ID 1310584.1)										17-Mar-2011	9-Jan-2009	Not planne
IBM z/OS on System z	*Platform desupported* (see Doc ID 461234.1)										26-Oct-2012	*Not planned*	06-Mar-2006

Linux Itanium[7]	*Platform desupported (see [Doc ID 1130325.1](#))*										17-Mar-2011	24-Sep-2008	30-Apr 2006
Microsoft Windows Itanium (64-bit) [7]	*Platform desupported (see [Doc ID 1307745.1](#))*										12-May-2011	2-Feb-2009	30-Jan 2006
Oracle Solaris x86 (32-bit)	*Platform desupported*											14-Nov-2008 *Last patch set for this platform*	18-Jun 2006
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](#)**	**11.2.0.1**[2]	**[11.1.0.7](#)**[1]	**[10.2.0.5](#)**[3]	**[10.2.0.4](#)**[4]	**[10.1.0](#)**

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	**Mar-2023**	**31-Mar-2026**	**31-Mar 2026**	(a.k.a. Long Term Support Release for 12.2) Extended Support fees will be required beginning Mar-2023.
18c	**n/a**	n/a	**TBD**	

				(a.k.a. Annual Release for 12.2) Patching will end 24 months after 19c is released on-premises.
12.2.0.1	**n/a**	n/a	**23-Nov-2020**	Patching for 12.2.0.1 will end Nov 2020.
12.1.0.2	**Jul-2019**	**31-Jul-2021**	**31-Jul-2021**	Extended Support fees waived through July 31, 2019. Beginning Aug 1, 2019 an ES service contr
12.1.0.1	n/a	n/a	**31-Aug-2016**	Patching has ended for this release.
11.2.0.4	**Jan-2015**	**31-Dec-2018**	**31-Dec-2020**	Premier Support ended Jan 2015 but ES fees waived through Dec 31, 2018. An ES service contr
11.2.0.3	**Aug-2015**	**27-Aug-2015**	**27-Aug-2015**	Patching has ended for this release. Premier Support ended Jan 2015 but ES Fees waived through the patching end date of Aug 2015
11.2.0.2	n/a	n/a	**31-Oct-2013**	Patching has ended for this release.
11.2.0.1	n/a	n/a	**13-Sep-2011**	Patching has ended for this release Patching end date for Exadata was 30-Apr-2012
11.1.0.7	**Aug-2012**	**31-Aug 2015**	**31-Aug-2015**[7]	Patching has ended for this release. **HP-UX Itanium - Patching ended Dec 2015.** Beginning
11.1.0.6	n/a	n/a	**18-Sep-2009**	Patching has ended for this release.
10.2.0.5	**Jul-2010**	**31-Jul-2015**	**31-Jul-2015**[7]	**All platforms - standard Extended Support ended 31-Jul-2013.** Additional support is avai PSU or SPU will be produced). See Oracle Software Technical Support Policies. **HP-UX, Linux, and Windows Itanium** - **patching ended Dec 2015 and these platforms**
10.2.0.4	**Jul-2010**	**Jul-2011**	**31-Jul-2011**	See Doc 1293180.1. Database Patch Set 10.2.0.4 patching extended to July 31, 2011

Table 3 - Patching End Dates

Footnotes:

[1]**11.1.0.7 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.

3 **10.2.0.5 was the last patch set for Release 10.2.** See [Patch Set Updates for Oracle Products (Doc ID 854428.1)](#) for additional details.

4 The **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).

5 **Patching 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
12-Dec-2018	Reorgnized document structure, removed outdated content; Modified recommended Upgrade Path table - added updated 19c end dates
07-Dec-2018	Updated Roadmap png with 12s and 19c ES dates
07-Dec-2018	Multiple changes: Added remaining 18c release dates, added 19c expected release dates, renamed "Database Cloud Service - Classic" to "Database Cloud Service" 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 31, 2019
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 with new terminology (Updates, Revisions)
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 to 1H2018. Added row for Oracle Cloud Infrastructure - Database
16-Feb-	Updated many areas to reflect the release of 18c on Engineered Systems

2018	
2-Feb-2018	Clarified in the description of the roadmap that bars start with the first release which may be in the Oracle Cloud.
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 indicated while release 19 is planned to be the last 12.2 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 to most current.
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 page
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 12.1 ES fee waiver and new end date for 11.2 ES fee 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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