

Oracle Life Sciences Central Designer

System Requirements



Release 7.0.1.1
G40429-01



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About This Content

Audience

This document contains system requirements information for Oracle Central Designer users.

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Conventions

The following text conventions are used in this document.

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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Hardware and software requirements

In this chapter:

- [Deployment scenarios and requirements](#)
- [System requirements: Client computers](#)
- [System requirements: Application servers](#)
- [System requirements: Database server](#)
- [Oracle component and patch requirements](#)

Deployment scenarios and requirements

Oracle strongly recommends that you install the Oracle Central Designer software on a different server than the server on which the Oracle InForm software runs. However, if you install the Oracle Central Designer software and the Oracle InForm software on the same server, you must install the software in the following order:

1. Microsoft .NET Framework.

For more information about which version of .NET Framework to install, see [System requirements: Client computers](#) and [System requirements: Application servers](#).

2. Oracle Database Client.
3. The Oracle InForm software.
4. The Oracle Central Designer software.

Regardless of whether the Oracle Central Designer software and the Oracle InForm software are on the same server, if you created a deployment package and are upgrading to a new release:

- Changes that impact deployment to the Oracle InForm application are propagated only after you create a new deployment package and install it on the Oracle InForm server.
- If you have already installed the deployment package and the study is live, you also have to change the study version.

System requirements: Client computers

Feature	Client requirement
Operating system	One of the following: • Windows 11 - 64-bit
Processor	Dual CPU Core i3, 2 GHz or higher

Feature	Client requirement
Display	1024 x 768 or greater resolution 256 or more colors
	Note To avoid display issues in Oracle Central Designer, Oracle recommends that you do not set the Windows display size setting to Medium - 125%.
Memory	<i>Minimum:</i> 4 GB <i>Recommended:</i> 8 GB
	Note If the computer has 512 MB or less, you cannot install the client applications.
Disk space	In addition to the space required for the operating system:
Software	- Approximately 150 MB for both the Oracle Central Designer software and Oracle Central Designer Administrator software - Adobe Acrobat Reader 9 (for documentation) - Microsoft .NET Framework 4.8 and above. - Microsoft Edge 114.0.1823.51 or higher Edge version 79 or later requires enabling ClickOnce. For more information, see <i>Enabling ClickOnce support for Microsoft Edge version 79 or later</i> in the <i>Installation Guide</i>.
Bandwidth between the application server and client computers	<i>Minimum:</i> 1.5 Mbps (T1) <i>Recommended:</i> 5 Mbps

System requirements: Application servers

Feature	Application server requirement
Operating system	Microsoft Windows Server 2019 Standard You can install on an English (United States) operating system only.
Processor	<i>Minimum:</i> 2.0 GHz or higher <i>Recommended:</i> Multiple processors, each 2.0 GHz or higher

Feature	Application server requirement
Memory	<i>Minimum:</i> 8 GB <i>Recommended:</i> 16 GB
Disk space	In addition to the space required for the operating system: Approximately 500 MB for the Oracle Central Designer software
Connectivity	100/1000 NIC
Display	1024 x 768 or greater resolution 256 or more colors
Software	Windows components: - Internet Information Services (IIS) 10.0 - ASP.NET 4.7 or higher - Microsoft .NET Framework 4.8 - SMTP server, which sends email notifications during deployment. For this feature to work as expected, you must install and configure the SMTP server. Oracle client components: - Oracle Database Client 19.27 - Oracle Services for Microsoft Transaction Server (MTS) for your Oracle Client version - Oracle Data Provider (ODP) for .NET version 4.8.03761
Services	The Distributed Transaction Coordinator service must be running. The service provides transaction support for Oracle Central Designer database operations.

System requirements: Database server

Feature	Database server requirement
Operating system	Operating system and hardware as specified by the Oracle 19c database software. Supported Unix platforms: Oracle Enterprise Linux 8.5

Feature	Database server requirement
Database	OracleDatabase Server 19.27, with or without Oracle Real Application Clusters (RAC)
	<i>Note</i> You must register the .NET assemblies to the Global Assembly Cache (GAC) after the initial installation, and each time you apply a patch. For more information, see the <i>Installation Guide</i>.
	Mandatory database components: • Oracle Text • Oracle Java Virtual Machine (JVM) • Oracle XML DB
Processor	Four or more 3.3 GHz Intel Xeon class or higher processor cores
Memory	4 CPU, 24 GB RAM or more
Disk space	In addition to the space required for the Oracle database software installation: • Approximately 100 MB tablespace for installation, plus additional space as required to accommodate the database
Connectivity	100/1000 NIC
Display	No requirements
CD drive	Required only if you need a CD drive to install Oracle Server

Oracle component and patch requirements

In this section:

- [Minimum Oracle Database patches required for the Oracle Database server](#)
- [Minimum Oracle software components required for the Oracle Central Designer client](#)
- [Minimum Oracle patches required for the database client](#)
- [Oracle Central Designer compatibility](#)

Minimum Oracle Database patches required for the Oracle Database server

Note

The patches for the Oracle Database Server and the Oracle Client have been set so that both the database and the client use version 4 "TSTZ" (timestamp/time zone) files. The version of these files should always match. This needs to be taken into consideration when applying future patches to the database or client.

If a future patch for either the database or client changes the version of these files, then the patches for both the client and database should be reviewed.

Oracle Window patches

When a physical machine serves as more than one type of server, you will need all the patches that are required for each type of server. For example, in a single-tier Oracle Central Designer installation, the machine that both the Oracle Central Designer Server and the Oracle Database Server are installed on requires all the patches listed under both the Oracle Database and the Oracle client.

For more information, see:

- [Oracle 19.27 database software](#)

Oracle 19.27 database software

In this section:

- [Oracle 19.27 for Microsoft Windows 64-bit](#)
- [Oracle 19.27 for Oracle Enterprise Linux 8.5 \(64-bit\) or later](#)
- [Oracle JavaVM \(OJVM\) Component 19.27 for UNIX](#)

Oracle 19.27 for Microsoft Windows 64-bit

Oracle version	Patch number	Patch application order	Notes
19.27	N/A	1	Patch set/Base install Oracle 19.3
19.27	37532350	2	Windows DB Bundle Patch 19.27.0.0.250415 (64-bit)

Oracle 19.27 for Oracle Enterprise Linux 8.5 (64-bit) or later

Oracle version	Patch number	Patch application order	Notes
19.27	N/A	1	Patch set/Base install Oracle 19.3

Oracle version	Patch number	Patch application order	Notes
19.27	37642901	2	Patch Set Update 19.27.0.0.250415

Oracle JavaVM (OJVM) Component 19.27 for UNIX

Oracle version	Patch number	Patch application order	Notes
19.27	37499406	1	Oracle JavaVM Patch Set Update 19.27.0.0.250415

Minimum Oracle software components required for the Oracle Central Designer client

When you install the base release of Oracle software, you must select the following database components:

- Oracle Client.
- Oracle Services for Microsoft Transaction Server (MTS).
- Oracle Data Provider (ODP) for .NET.

Minimum Oracle patches required for the database client

In this section:

- [Oracle 19.27 for Microsoft Windows 64-bit](#)

Oracle 19.27 for Microsoft Windows 64-bit

Oracle version	Patch number	Patch application order	Notes
19.27	N/A	1	Patch set/Base install Oracle 19.3
19.27	37532350	2	Windows DB Bundle Patch 19.27.0.0.250415 (64-bit)

Oracle Central Designer compatibility

Oracle maintains the following software compatibility matrices:

- *Product Compatibility Matrix*—Identifies Oracle Central Designer compatibility with other Oracle Life Sciences products.
- *Product Technology Compatibility Matrix*—Identifies Oracle Central Designer compatibility with other Oracle and external software products.

Both matrices can be downloaded from My Oracle Support in [Article ID 180430.1](#): Oracle Life Sciences Applications Supported Technology Stack.