

# Oracle® Health Sciences Central Designer System Requirements



Release 7.0  
F56106-02



Oracle Health Sciences Central Designer System Requirements, Release 7.0

F56106-02

Copyright © 2020, 2023, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, and MySQL are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

# Contents

## Preface

---

Documentation accessibility	iv
Related resources	iv
Diversity and Inclusion	iv
Access to Oracle Support	iv
Additional copyright information	v

## 1 Hardware and software requirements

---

Deployment scenarios and requirements	1-1
System requirements: Client computers	1-1
System requirements: Application servers	1-2
System requirements: Database server	1-3
Oracle component and patch requirements	1-4
Minimum Oracle Database patches required for the Oracle Database server	1-5
Oracle 19.12 database software	1-5
Minimum Oracle software components required for the Oracle Central Designer client	1-6
Minimum Oracle patches required for the database client	1-6
Oracle 19.12 for Microsoft Windows 64-bit	1-6
Oracle Central Designer compatibility	1-6

# Preface

This preface contains the following sections:

- [Documentation accessibility](#)
- [Related resources](#)
- [Diversity and Inclusion](#)
- [Access to Oracle Support](#)
- [Additional copyright information](#)

## Documentation accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

## Related resources

All documentation and other supporting materials are available on the [Oracle Help Center](#).

## Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through Support Cloud.

Contact our Oracle Customer Support Services team by logging requests in one of the following locations:

- English interface of Oracle Health Sciences Customer Support Portal (<https://hsgbu.custhelp.com/>)

- Japanese interface of Oracle Health Sciences Customer Support Portal (<https://hsgbu-jp.custhelp.com/>)

You can also call our 24x7 help desk. For information, visit <http://www.oracle.com/us/support/contact/health-sciences-cloud-support/index.html> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

## Additional copyright information

This documentation may include references to materials, offerings, or products that were previously offered by Phase Forward Inc. Certain materials, offerings, services, or products may no longer be offered or provided. Oracle and its affiliates cannot be held responsible for any such references should they appear in the text provided.

# 1

## 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: <ul style="list-style-type: none"><li>• Windows 8 Version 6.3.9600 Build 9600, Enterprise Edition</li><li>• Windows 10 - 64-bit</li><li>• Windows 11 - 64-bit</li><li>• Windows Server 2019 Standard</li></ul>
Processor	Dual CPU Core i3, 2 GHz or higher

Feature	Client requirement
Display	<ul style="list-style-type: none"> <li>• 1024 x 768 or greater resolution</li> <li>• 256 or more colors</li> </ul>
	<div style="border: 1px solid #0070C0; padding: 10px; background-color: #E6F2FF;"> <p> <b>Note:</b></p> <p>To avoid display issues in Oracle Central Designer, Oracle recommends that you do not set the Windows display size setting to Medium - 125%.</p> </div>
Memory	<p><i>Minimum:</i> 4 GB</p> <p><i>Recommended:</i> 8 GB</p>
	<div style="border: 1px solid #0070C0; padding: 10px; background-color: #E6F2FF;"> <p> <b>Note:</b></p> <p>If the computer has 512 MB or less, you cannot install the client applications.</p> </div>
Disk space	<p>In addition to the space required for the operating system:</p> <ul style="list-style-type: none"> <li>• Approximately 150 MB for both the Oracle Central Designer software and Oracle Central Designer Administrator software</li> </ul>
Software	<ul style="list-style-type: none"> <li>• Adobe Acrobat Reader 9 (for documentation)</li> <li>• Microsoft .NET Framework 4.6.2 and above.</li> <li>• Microsoft Edge 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>.</li> </ul>
Bandwidth between the application server and client computers	<p><i>Minimum:</i> 1.5 Mbps (T1)</p> <p><i>Recommended:</i> 5 Mbps</p>

## System requirements: Application servers


Feature	Application server requirement
Operating system	<ul style="list-style-type: none"> <li>• Microsoft Windows Server 2019 Standard You can install on an English (United States) operating system only.</li> </ul>

Feature	Application server requirement
Processor	<i>Minimum:</i> 2.0 GHz or higher <i>Recommended:</i> Multiple processors, each 2.0 GHz or higher
Memory	<i>Minimum:</i> 8 GB <i>Recommended:</i> 16 GB
Disk space	In addition to the space required for the operating system: <ul style="list-style-type: none"> <li>Approximately 500 MB for the Oracle Central Designer software</li> </ul>
Connectivity	100/1000 NIC
Display	<ul style="list-style-type: none"> <li>1024 x 768 or greater resolution</li> <li>256 or more colors</li> </ul>
Software	<p>Windows components:</p> <ul style="list-style-type: none"> <li>Internet Information Services (IIS) 10.0</li> <li>ASP.NET 4.7 or higher</li> <li>Microsoft .NET Framework 4.8</li> <li>SMTP server, which sends email notifications during deployment. For this feature to work as expected, you must install and configure the SMTP server.</li> </ul> <p>Oracle client components:</p> <ul style="list-style-type: none"> <li>Oracle Database Client 19.12</li> <li>Oracle Services for Microsoft Transaction Server (MTS) for your Oracle Client version</li> <li>Oracle Data Provider (ODP) for .NET version 4.122.19.1</li> </ul>
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	<p>Operating system and hardware as specified by the Oracle 19c database software.</p> <p>Supported Windows platforms:</p> <ul style="list-style-type: none"> <li>Microsoft Windows Server 2019 Standard</li> </ul> <p>Supported Unix platforms:</p> <ul style="list-style-type: none"> <li>Oracle Enterprise Linux 7.2</li> <li>Oracle Enterprise Linux 8.x</li> </ul>



Feature	Database server requirement
Database	OracleDatabase Server 19.12, with or without Oracle Real Application Clusters (RAC)
	<div data-bbox="1122 365 1459 766" style="border: 1px solid #0070C0; padding: 10px; background-color: #E6F2FF;"> <p> <b>Note:</b></p> <p>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>.</p> </div>
	<p>Mandatory database components:</p> <ul style="list-style-type: none"> <li>• Oracle Text</li> <li>• Oracle Java Virtual Machine (JVM)</li> <li>• Oracle XML DB</li> </ul>
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: <ul style="list-style-type: none"> <li>• Approximately 100 MB tablespace for installation, plus additional space as required to accommodate the database</li> </ul>
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 19.12 database software](#)

## Oracle 19.12 database software

In this section:

- [Oracle 19.12 for Microsoft Windows 64-bit](#)
- [Oracle 19.12 for Oracle Enterprise Linux 7.x \(64-bit\) or later](#)
- [Oracle JavaVM \(OJVM\) Component 19.12 for UNIX](#)

### Oracle 19.12 for Microsoft Windows 64-bit

Oracle version	Patch number	Patch application order	Notes
19.12	N/A	1	Patch set/Base install Oracle 19.3
19.12	32832237	2	Windows DB Bundle Patch 19.12.0.0.210720 (64-bit)

## Oracle 19.12 for Oracle Enterprise Linux 7.x (64-bit) or later

Oracle version	Patch number	Patch application order	Notes
19.12	N/A	1	Patch set/Base install Oracle 19.3
19.12	32904851	2	Patch Set Update 19.12.0.0.210720

## Oracle JavaVM (OJVM) Component 19.12 for UNIX

Oracle version	Patch number	Patch application order	Notes
19.12	32876380	1	Oracle JavaVM Patch Set Update 19.12.0.0.210720

## 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 19.12 for Microsoft Windows 64-bit](#)

## Oracle 19.12 for Microsoft Windows 64-bit

Oracle version	Patch number	Patch application order	Notes
19.12	N/A	1	Patch set/Base install Oracle 19.3
19.12	32832237	2	Windows DB Bundle Patch 19.12.0.0.210720 (64-bit)

## Oracle Central Designer compatibility

Oracle maintains the following software compatibility matrixes:

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

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