

Install Oracle Database 19c on Windows: Complete Guide

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Are you planning to install Oracle 19c on Windows Server or Windows 10? Then this step by step guide is for you.

The installation of Oracle Software is not always an obvious operation, as it is the case for many DBMS (SQL Server, MySQL, etc.). The steps are however simple, but If you read Oracle documentation, more than 190 pages, you can get lost pretty quickly. There is a lot of information.

In this guide, I'll simplify theses processes for you. I'll show you the key steps to successfully install Oracle 19c on Windows, from the first attempt. Upon completion of this installation, all of the components required to [create and administer a database in Oracle Database 19c](#) will be available. You can also [download my ebook](#) which details the whole installation process.

So I assume that you already have your Windows server set up and running. To avoid issues during the installation process, make sure your environment meets [Oracle 19c installation requirements](#).

Related: [Install Oracle Database 19c Client on Windows Step by Step](#).

Install Oracle Database 19c on Windows step by step

1. Download Oracle Database 19c software for Windows

Our first step is to get the Oracle 19c software for Windows from the [official Oracle download page](#). On this page you will find many packages. In this guide, we will focus on the *Oracle Database 19c (19.3) for Microsoft Windows x64 (64-bit)* package. If you want to access your future Oracle database remotely, you can also download the *Oracle Database 19c Client (19.3) for Microsoft Windows x64 (64-bit)* or *Oracle Database 19c Client (19.3) for Microsoft Windows (32-bit)* according to the architecture of the client computer.

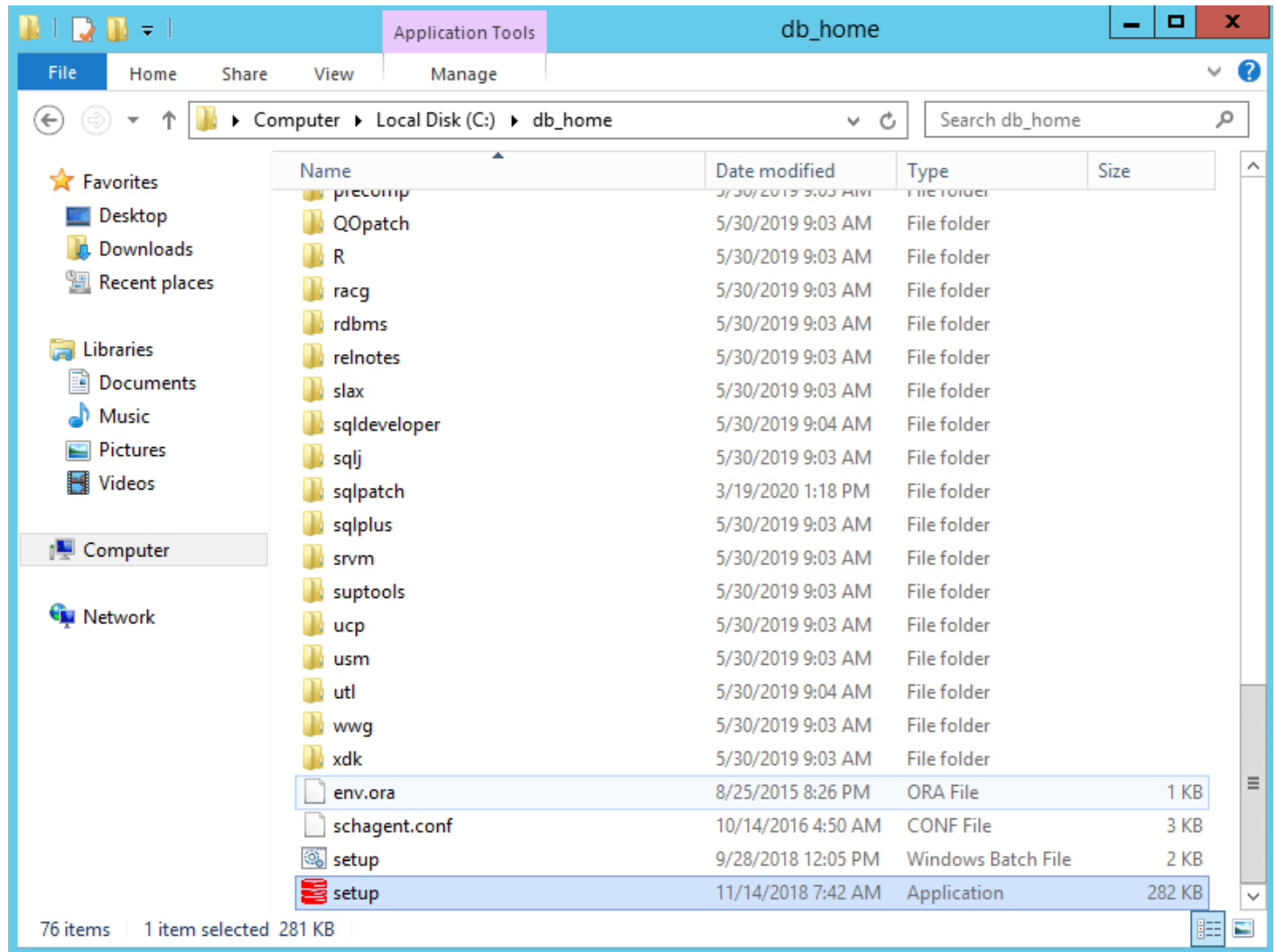
Downloading Oracle 19c software is free, however to use it in the production environment requires a license. Note also that downloading requires an Oracle account.

2. Launch the setup wizard

Once the download is complete

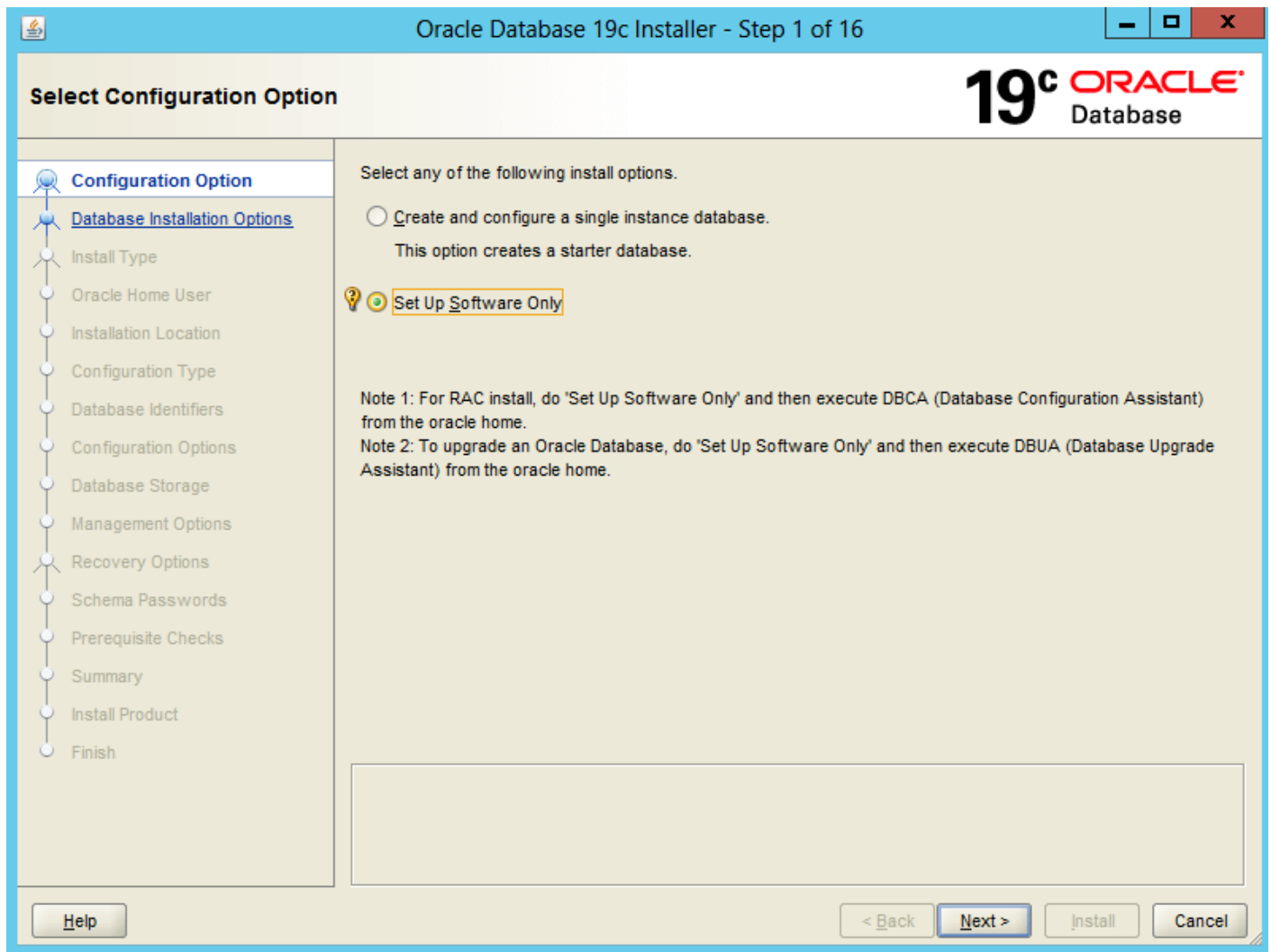
- unzip the package then copy it to the root of your disk;
- rename the folder, choose a shorter name (eg. *db_home*);
- then launch the setup.

Note: the installation wizard may take several minutes to open. So be patient.



3. Choose database installation options

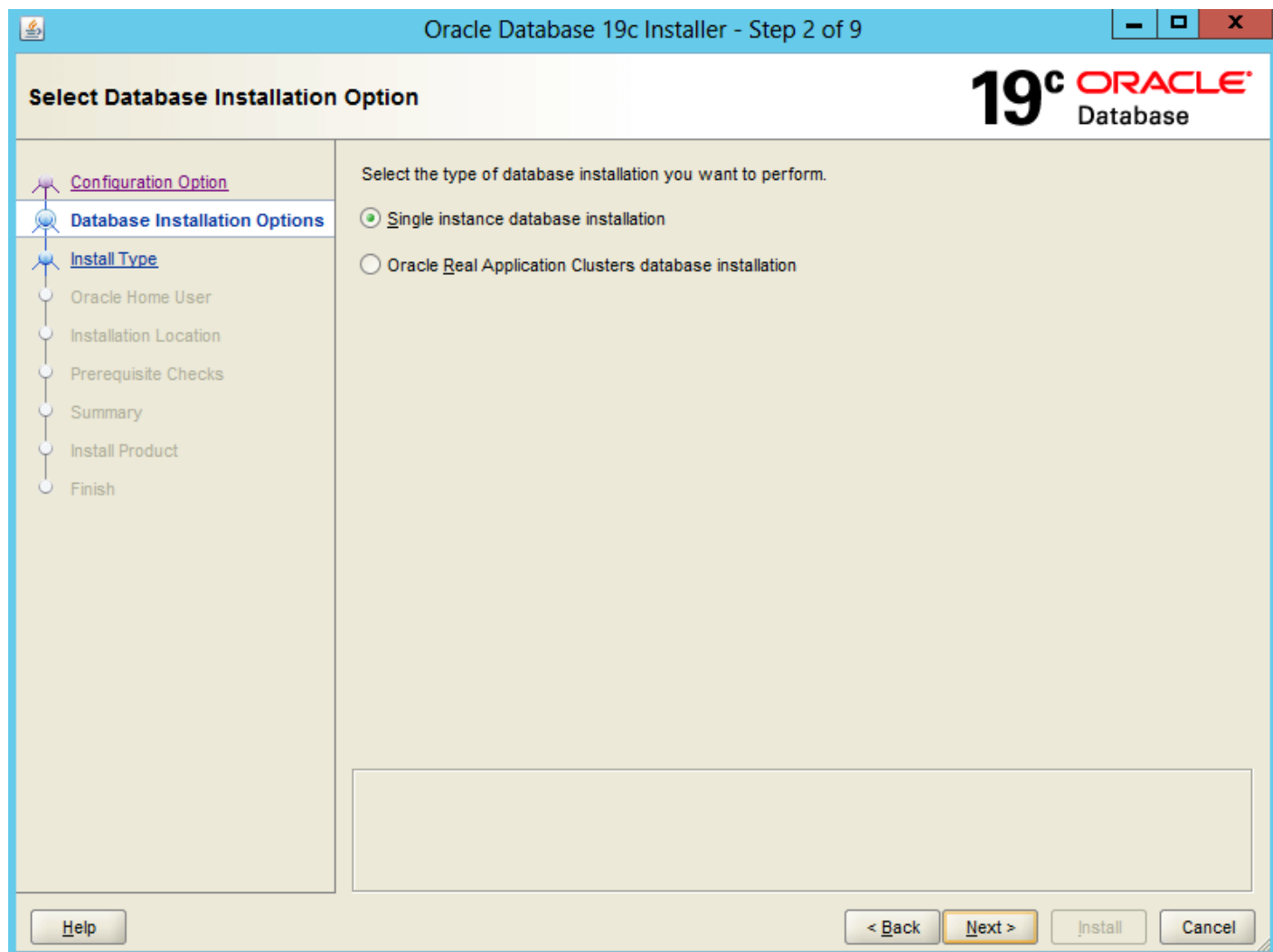
This step is very important. It allows you to choose the database installation options. You can install Oracle software and create a database at the same time (Create and configure a single instance database). Since we only want to install the Oracle 19c software and its components, we will opt for "Set up Software Only". This option installs the essential components for creating and administering a database. You can also use it to upgrade an older version of Oracle (example: 12c or 18c) or install RAC.



4. Select database installation type

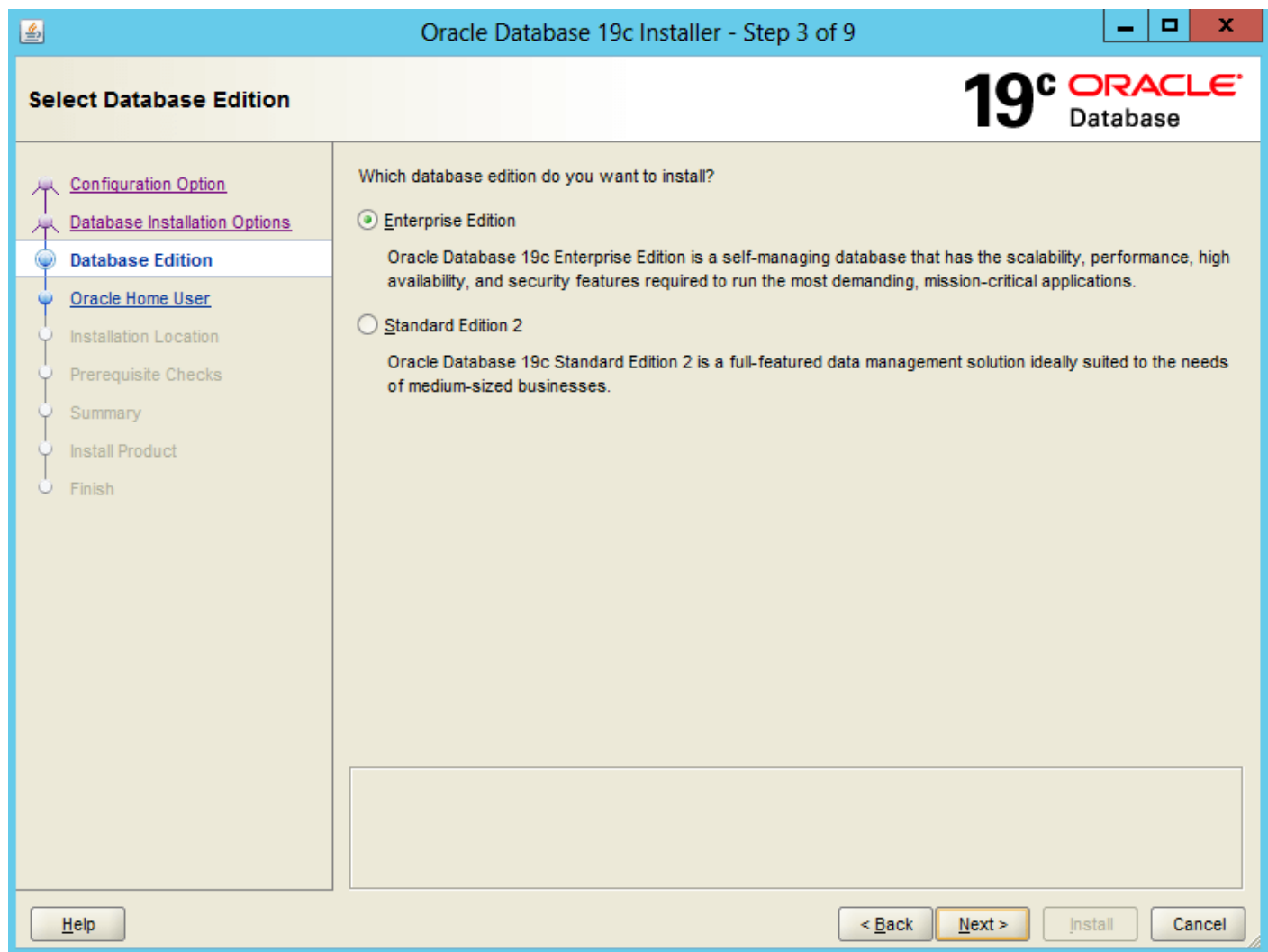
The first option allows you to install a single instance database on your server. Oracle Database with the Oracle Real Application Clusters (RAC) option allows multiple instances running on different servers to access the same physical database stored on shared storage. As we want to install Oracle 19c on a single server, we select option 1.

You can create a database after installation by using Oracle Database Configuration Assistant (Oracle DBCA).



5. Choose database edition

The version of the database to install depends on your needs. For an application developer or and medium-size companies, the standard version covers practically all needs. To take full advantage of Oracle 19c, you can install the Enterprise version. Obviously, the Enterprise version requires more resources (storage, RAM, CPU).



6. Specify Oracle home user

During Oracle Database installation, you can specify an optional Oracle home user associated with the Oracle home. Oracle home user can be a Windows built-in account (LocalSystem for Server and LocalService for Client), virtual account, or a regular (not an administrator) Windows account. If you specify an existing user as the Oracle home user, then the Windows user account you specify can either be a Windows domain user or a Windows local user.

A Windows user account need not be created by the administrator if a virtual account or a Windows built-in account is used during installation. If you specify a non-existing user as the Oracle home user, then the Windows user account you specify must be a Windows local user. The installer creates this account automatically to run the Windows services for the Oracle home. Do not log in using this account to perform administrative tasks.

Oracle Database 19c Installer - Step 4 of 9

Specify Oracle Home User

19^c ORACLE Database

For enhanced security, you may choose to run Windows Services from this Oracle home with a non-administrator account. Oracle recommends that you choose a Virtual Account or specify a standard Windows User Account for this purpose.

☐ Use Virtual Account

☒ Use Existing Windows User

User Name:

Password:

☐ Create New Windows User

User Name:

Password:

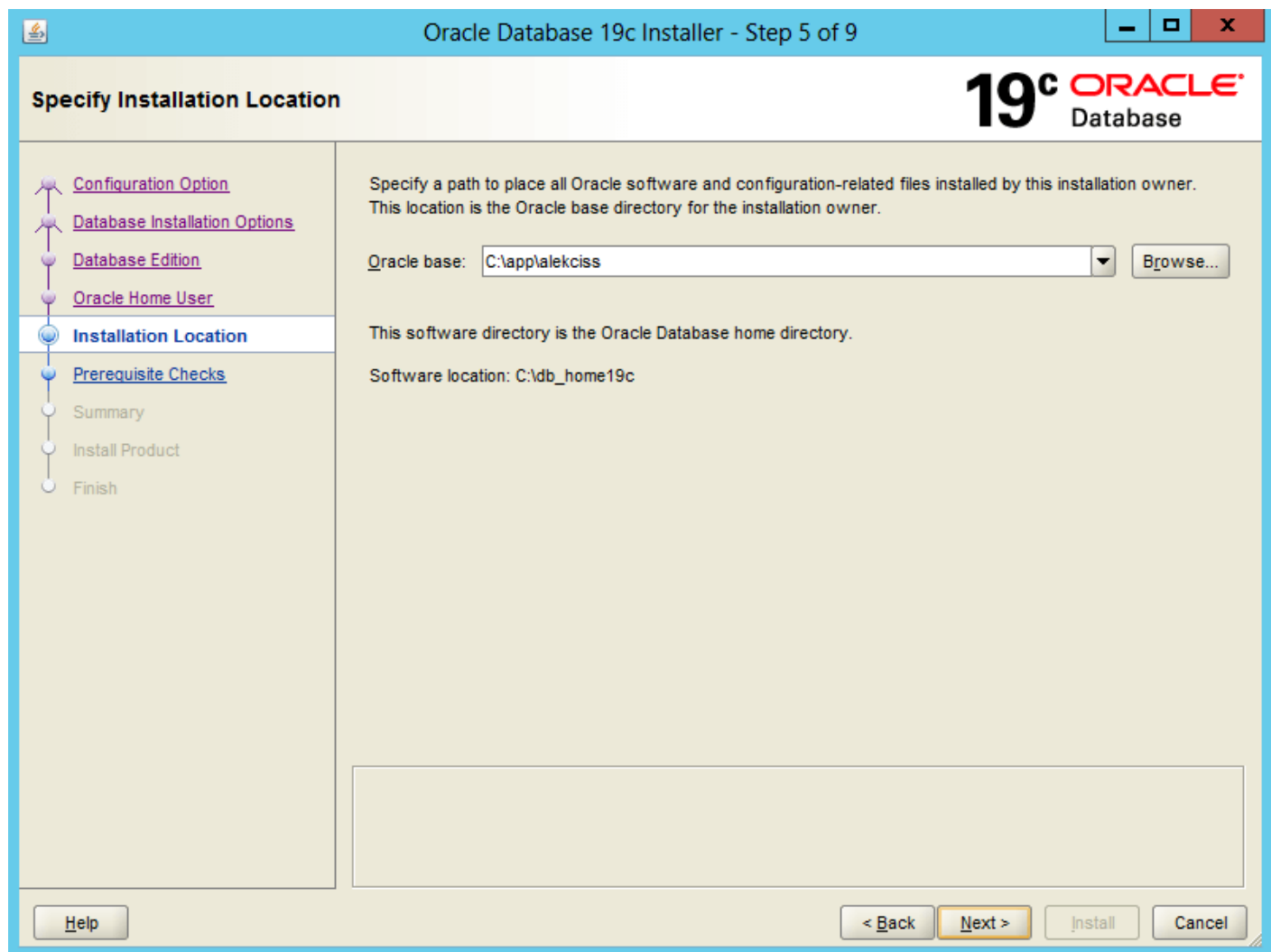
Confirm Password:

The newly created user is denied Windows logon privileges.

☐ Use Windows Built-in Account

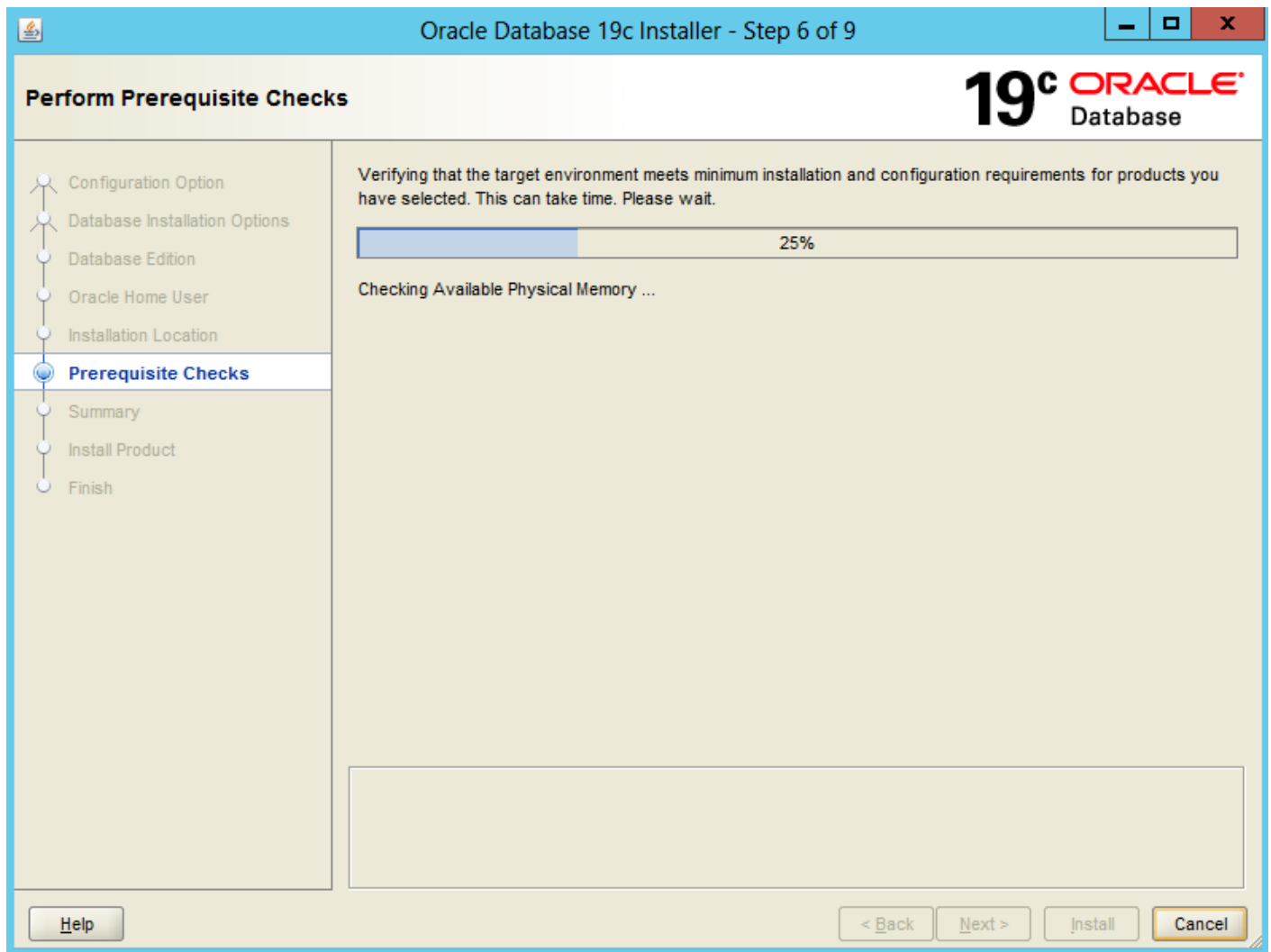
7. Specify the location of Oracle software

In a default Windows installation, the Oracle base directory appears as follows: *DRIVE_LETTER:\app\username* where *username* is the Oracle installation user if you choose Windows built-in account, else it is the Oracle Home user (standard Windows user account). You can change this directory at your convenience or leave it as default.

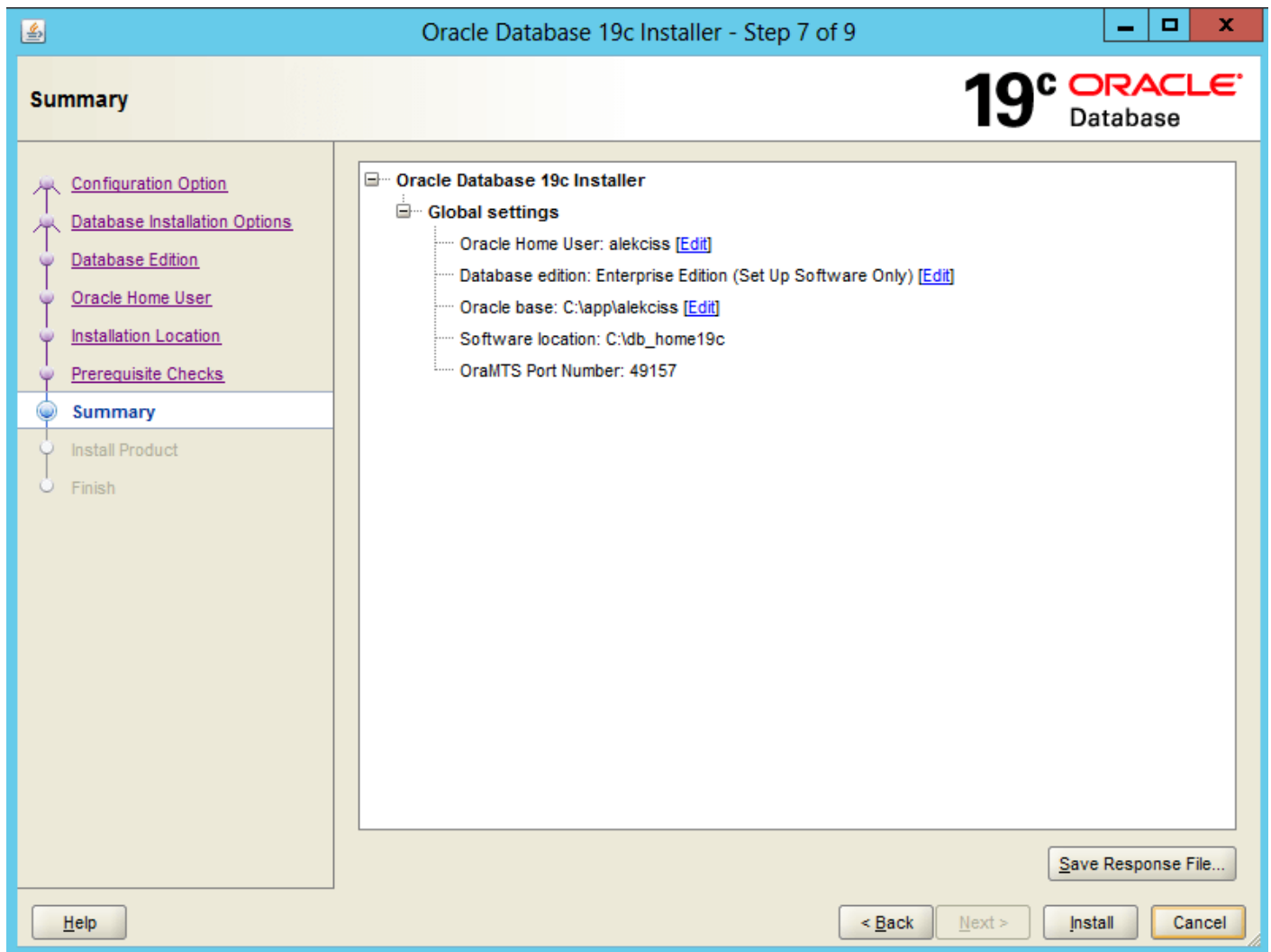


8. Minimum requirements checks, summary and end of the installation

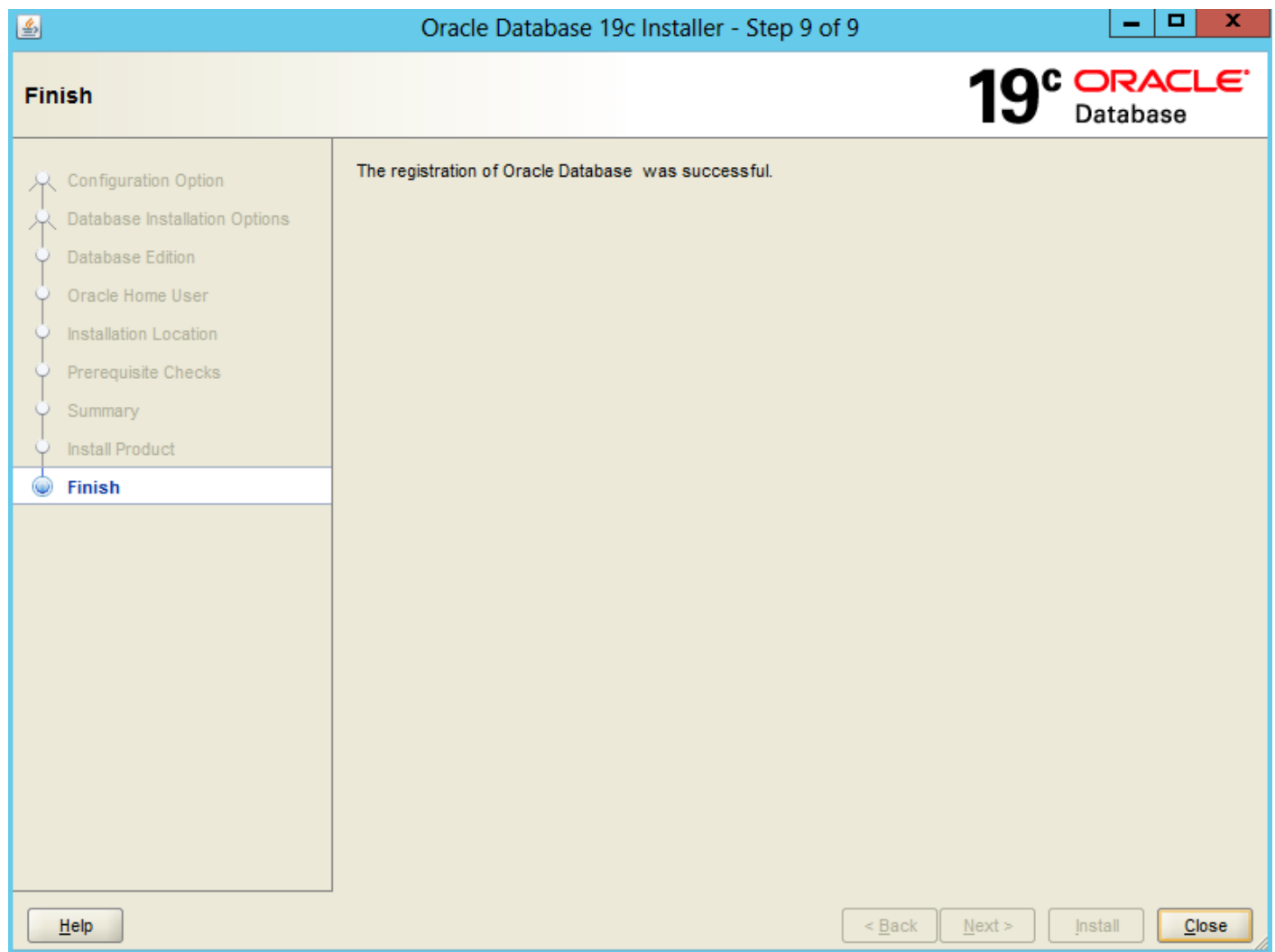
After these initial phases of configuration, let's [check the installation prerequisites](#). If, however, there are errors, try to readjust the [minimum installation requirements](#) and start again.



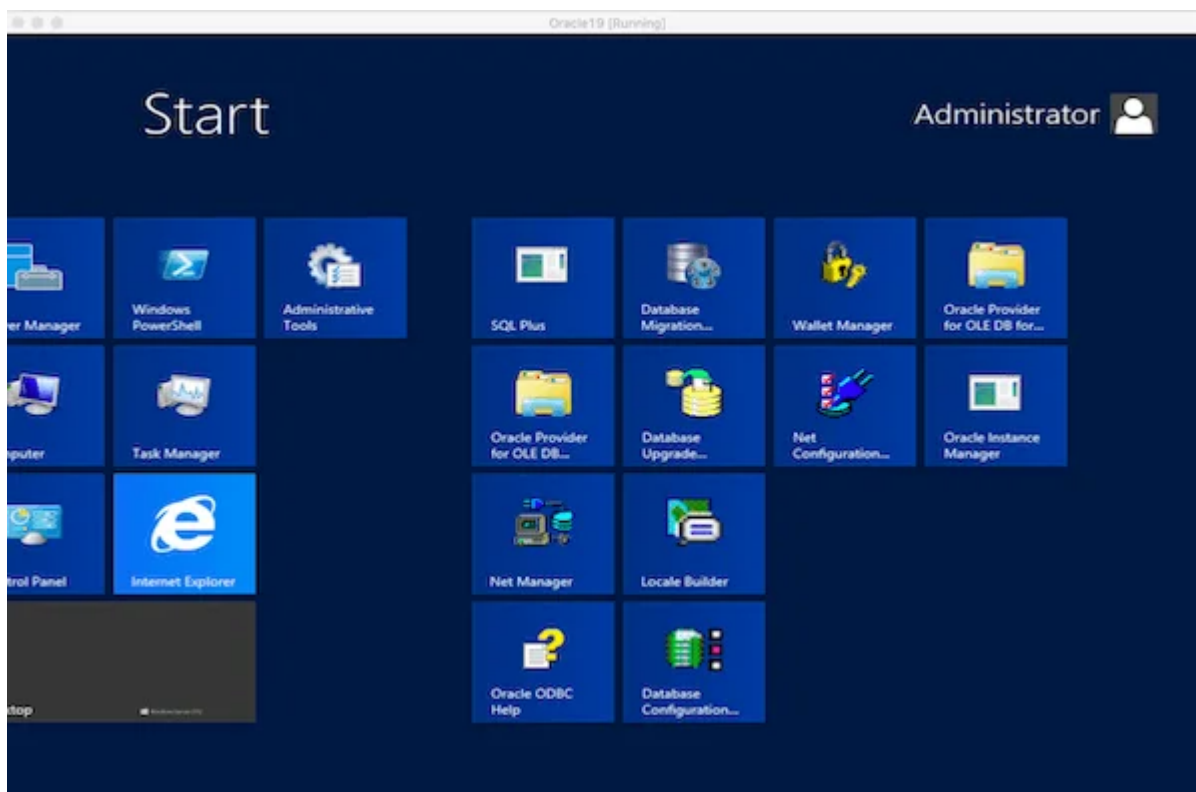
Click install if no error occurs.



That's it. You can close the installation wizard now.



You can take a look at the different components of your installation from the Windows start menu.

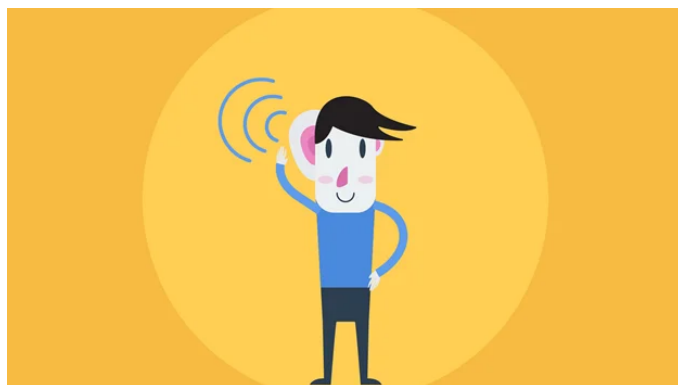


Still having trouble installing Oracle 19c on Windows? [Download the complete guide!](#)

Next step : [Create a Database in Oracle 19c on Windows](#)

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Configuring a Listener in Oracle Database (12c, 18c and 19c editions)



Oracle Database 19c installation requirements on Windows



Create a Database in Oracle 19c on Windows

24 thoughts on "Install Oracle Database 19c on Windows: Complete Guide"

NITHIN

DECEMBER 30, 2020 AT 10:39 AM

How do we connect to this server with Sql Developer?

ALEKCISS

DECEMBER 31, 2020 AT 12:24 PM

Please, find the complete guide here : [Configure & Connect SQL Developer to Oracle Database](#)

ASHWIN WANKHEDE

APRIL 8, 2021 AT 9:05 PM

Sir. Whenever i open sql plus it get open for a milliseconds and suddenly getting closed
Soo what is tha issue with it

ALEKCISS

APRIL 9, 2021 AT 10:23 PM

Hi Ashwin,

Some OS packages might be missing. Try to update your OS or open a terminal and run "sqlplus" to see if that works.

S.BABA HUSSAIN

MAY 14, 2021 AT 3:42 PM

Is there any sign in is needed. How to install we don't understand.

ALEKCISS

MAY 14, 2021 AT 3:55 PM

Hi S. Baba, could you tell me what part you didn't understand?

SRIDHAR

MAY 20, 2021 AT 9:41 AM

Good One

ALEKCISS

MAY 20, 2021 AT 12:59 PM

Happy you find it useful. Thanks!

MADHAN

MAY 21, 2021 AT 9:11 AM

Is it possible to install 19c 32 bit to Windows 10 64 bit?

When I tried it, the setup opens a black screen and closes it in a split second and nothing happens.

ALEKCISS

MAY 21, 2021 AT 8:13 PM

Hi Madhan,

Make sure your operating system is updated. Also, rename the installation folder to something simple, with no special character (ie. dbhome)

LUTVI

JUNE 4, 2021 AT 9:29 AM

how To connect my Oracle Database remotely?

ALEKCISS

JUNE 4, 2021 AT 10:45 AM

Hi Lutvi,

You need to [install and configure Oracle Database Client](#). You'll find the necessary steps in this guide.

Regards,

LUTVI

JUNE 6, 2021 AT 3:27 PM

Hi Alekciss,

Do i have to install "Install Oracle Database 19c on Windows: Complete Guide" first then install "install and configure Oracle Database Client."?

ALEKCISS

JUNE 6, 2021 AT 6:06 PM

Hi Lutvi,

It is recommended to install and configure the database first before installing the client. So, you can start with Oracle software installation and database creation. Once your database is running smoothly on the server, you can install and configure the client to manage it remotely.

LUTVI

JUNE 7, 2021 AT 12:01 AM

Hi AlekCiss,

Thanks for your advice

ALEKCISS

JUNE 7, 2021 AT 10:08 AM

My pleasure!

НИНА

AUGUST 7, 2021 AT 2:59 AM

First one is "Desktop Class" – You choose this option when you are installing Oracle Database on your desktop or laptop. Because this option will perform the basic installation of Oracle on your system.

HAMZA

AUGUST 10, 2021 AT 5:59 PM

There must be spaces in the path of your installation folder. Choose a path without any space.

ALEKCISS

AUGUST 10, 2021 AT 8:39 PM

You can select "Desktop Class" option if you are installing the Oracle Software on a laptop or desktop class system. Server Class option will let you install Oracle on a server class system, such as when deploying Oracle in a production data center.

VENKAT SRAVAN

AUGUST 17, 2021 AT 1:21 PM

in microsoft settings go to developers setting there u give allow access then run setup

BB

MARCH 1, 2022 AT 8:48 PM

I had followed these steps and installed/configured Oracle 19c Database in my system as of Dec, 2021. I have Windows 10 Enterprise Version which got updated to : Windows Feature Experience Pack 120.2212.4170.0 in Feb, 22 1st week. The Oracle 19c server and client installed in my system with this database configured was working fine before the Windows upgrade. I had all registry entries and the Oracle Windows services were visible under services.msc. I have an application installed which was configured using this same database. Suddenly I am seeing that the Oracle services are not showing under Windows Services, I don't see any registry entries which were there. Please can anyone help if similar issue has been observed and resolved.

thanks!

ANSHUL LAVANIYA

DECEMBER 25, 2022 AT 6:52 AM

After the installation, when I'm opening SQL*PLUS It's asking for username and password, is there any default user? Please let me know, thanks

ALEKCISS

FEBRUARY 5, 2023 AT 6:50 PM

Hi Anshul, you need to create a database first. Please, refer to [this guide](#).

SUBHRADEEP DAS

APRIL 6, 2023 AT 8:50 PM

I do not understand this user account creation part. Why is this step required? Will it be of any use later on? If so, then for what? If I choose the Virtual User' option, are there any scenarios where I might face any issues?

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Oracle Database 19c Installation on Windows Made Easy

A simple step by step guide to setting up an Oracle Database 19c
Client/Server environment on Windows

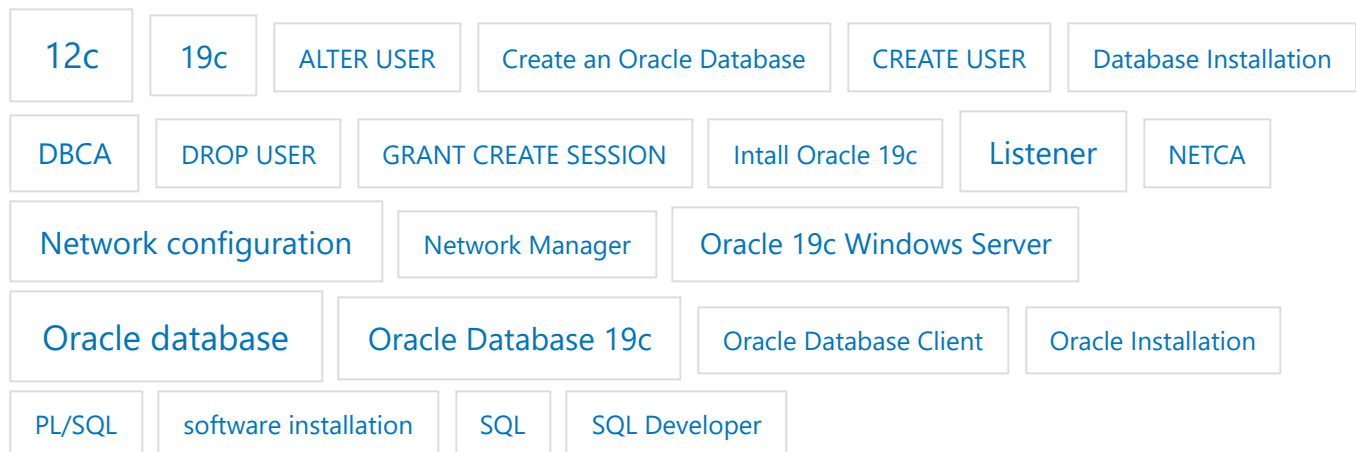
BY ALEK CISS



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Topics



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