Practice

Installing Oracle Database Software in a Windows Platform

Practice Target

In this practice you will install Oracle database 19c software into `winsrv`. Specifically, you will perform the following:

- Prepare for Oracle Database software installation
- Install Oracle Database software

Practice Assumption

This practice assumes that the vm `winsrv` is up and running.

Ahmed Baraka Oracle Database Administrator

Preparing for Oracle Database Software Installation

In the following steps, you will perform the preparation steps for installing Oracle database 19c software in `winsrv`.

Note: In a production system, always start with applying the most recent Windows Updates. We will skip this step in this practice just to save the practice time.

1. Login to `winsrv` as `administrator`.

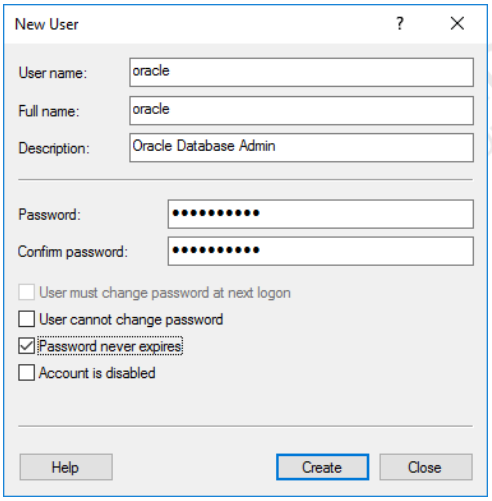
2. Right-click on the Windows label in left down corner and select **Computer Management**

3. In the left panel, click on **Local Users and Groups** > **Users**

4. In the right panel, right-click on the space area and select **New User**

5. Fill-in the form as follows to create a user named as `oracle` then click on **Create** button.

   This user will be used as the administrator user.



6. Create another user, named as `oraclesvc`. This user will be used as the service account.

7. On the left panel, click on **Groups** link > double click on the **Administrators** group

8. Add `oracle` user to the group. Do not add `oraclesrvc` to the group.

9. Sign out from `winsrv` and login to it as `oracle`

Installing Oracle Database Software

In the following steps, you will install Oracle database 19c software in `winsrv`.

10. Open the **File Explorer** > click on **This PC** > observe the storage drives available in the system.

We have two drives: C drive and D drive. C drive is dedicated to Windows operating system. We will used D drive for installing Oracle database software and database. It has 100 GB free disk space.

11. Download Oracle database 19c installation file for Windows x64 from this link or this link. Its total size is nearly 3 GB.

12. Move the installation file to the shared folder configured in the vm.

13. In `winsrv`, as `oracle`, create the following directory structure.

```
mkdir D:\oracle\product\19.0.0\db_1
```

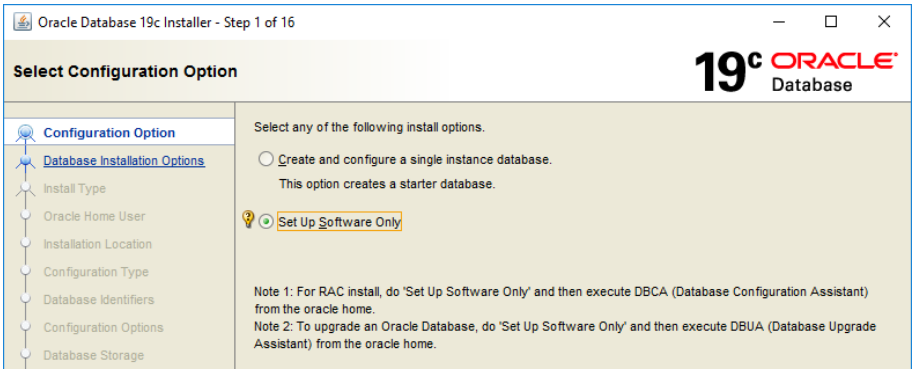
14. Open the **File Explorer** > click on the drive mapped to the shared folder (usually it is **z** drive) > right click on WINDOWS.X64_193000_db_home.zip file and select **Extract All** > enter the folder structure **D:\oracle\product\19.0.0\db_1** > click on **Extract** button

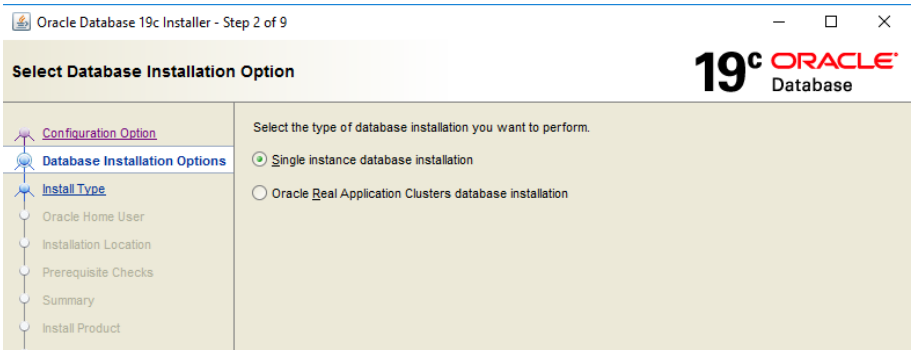
15. Wait for the extraction to finish

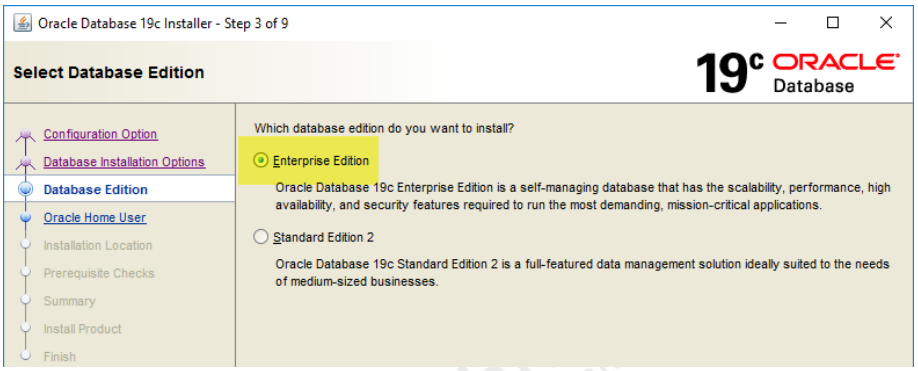
16. In the **File Explorer** > go to the folder **D:\oracle\product\19.0.0\db_1** > double click on the **setup.exe** file

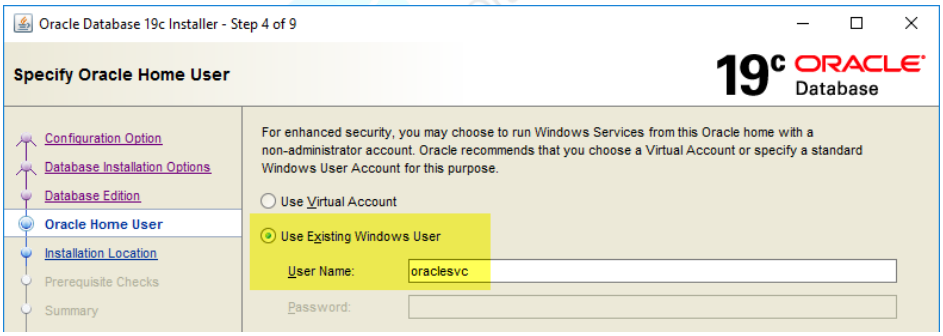
17. Respond to the Installer windows as follows:

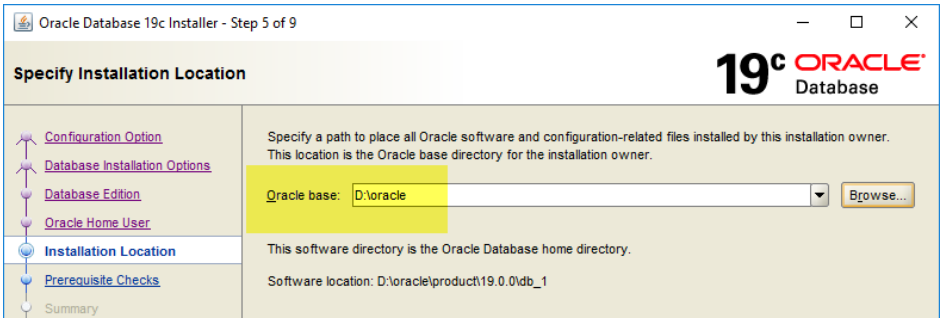
The first window usually takes some time to pop up.

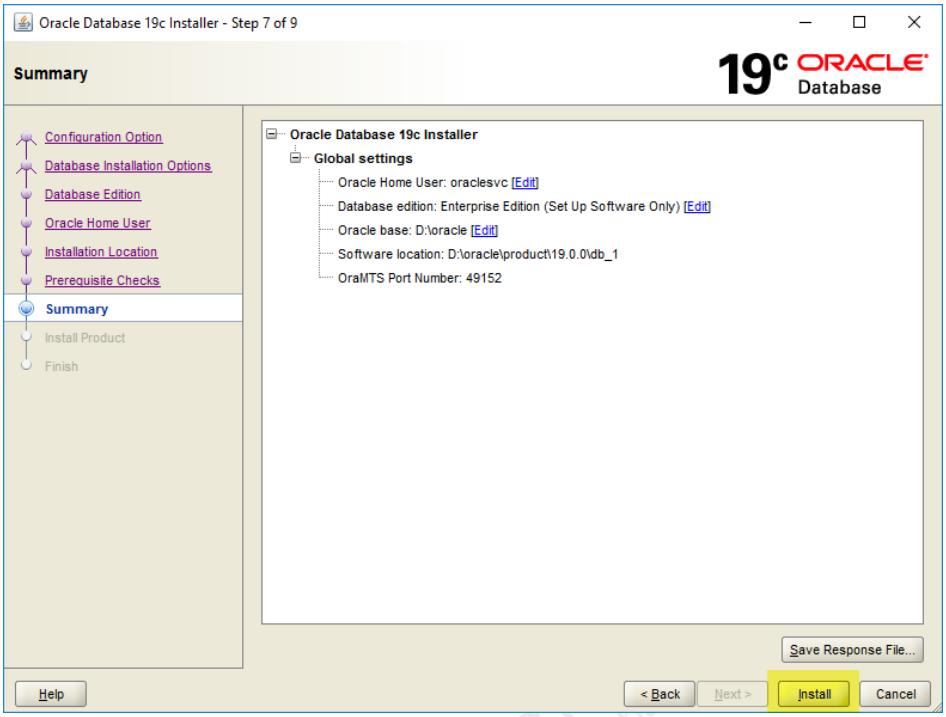


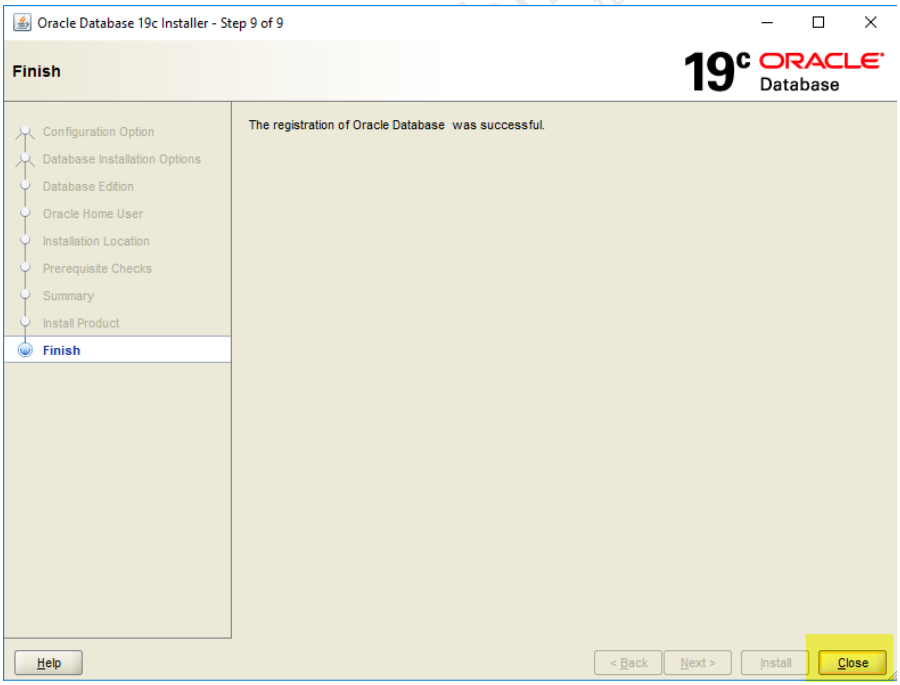

Oracle Database 19c Installer - Step 2 of 9
Select Database Installation Option
19c ORACLE Database
Configuration Option
Database Installation Options
Install Type
Oracle Home User
Installation Location
Prerequisite Checks
Summary
Install Product
Select the type of database installation you want to perform.
Single instance database installation
Oracle Real Application Clusters database installation


Oracle Database 19c Installer - Step 3 of 9
Select Database Edition
19c ORACLE Database
Configuration Option
Database Installation Options
Database Edition
Oracle Home User
Installation Location
Prerequisite Checks
Summary
Install Product
Finish
Which database edition do you want to install?
Enterprise Edition
Oracle Database 19c Enterprise Edition is a self-managing database that has the scalability, performance, high availability, and security features required to run the most demanding, mission-critical applications.
Standard Edition 2
Oracle Database 19c Standard Edition 2 is a full-featured data management solution ideally suited to the needs of medium-sized businesses.


Oracle Database 19c Installer - Step 4 of 9
Specify Oracle Home User
19c ORACLE Database
Configuration Option
Database Installation Options
Database Edition
Oracle Home User
Installation Location
Prerequisite Checks
Summary
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:
oraclesvc
Password:


Oracle Database 19c Installer - Step 5 of 9
Specify Installation Location
19c ORACLE Database
Configuration Option
Database Installation Options
Database Edition
Oracle Home User
Installation Location
Prerequisite Checks
Summary
Specify a path to place all Oracle software and configuration-related files installed by this installation owner. This location is the Oracle base directory for the installation owner.
Oracle base:
D:\oracle
Browse...
This software directory is the Oracle Database home directory.
Software location: D:\oracle\product\19.0.0\db_1


Oracle Database 19c Installer - Step 7 of 9
Summary
19c ORACLE Database
Configuration Option
Database Installation Options
Database Edition
Oracle Home User
Installation Location
Prerequisite Checks
Summary
Install Product
Finish
Oracle Database 19c Installer
Global settings
Oracle Home User: oraclesvc [Edit]
Database edition: Enterprise Edition (Set Up Software Only) [Edit]
Oracle base: D:\oracle [Edit]
Software location: D:\oracle\product\19.0.0\db_1
OraMTS Port Number: 49152
Save Response File...
Help
< Back
Next >
Install
Cancel


Oracle Database 19c Installer - Step 9 of 9
Finish
19c ORACLE Database
Configuration Option
Database Installation Options
Database Edition
Oracle Home User
Installation Location
Prerequisite Checks
Summary
Install Product
Finish
The registration of Oracle Database was successful.
Help
< Back
Next >
Install
Close

Note:

In a real life scenario, it is highly recommended to apply the latest Release Updates (RU) on the freshly installed Oracle database software. You will learn about applying patches on Oracle database software later in the course.

18. Open the File Explorer and check out the contents of the Inventory directory.

C:\Program Files\Oracle\Inventory\ContentsXML

19. Check out the groups created by the Installer. Check the members of the groups `ORA_DBA` and `ORA_INSTALL`.

Right-click on the Windows label in left down corner and select Computer Management. In the left panel, click on Local Users and Groups > Groups

Observe that `oracle` user is a member of `ORA_DBA`. This means `oracle` user is able to login to Oracle databases running in this machine as `sysdba`.

Observe that `oraclesvc` user is a member of `ORA_INSTALL` because this user is an Oracle home user.

20. Shutdown `winsrv`

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Summary

In this practice, you installed Oracle database software in `winsrv` using the installer in interactive mode.

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