

Oracle Installation Instruction

Semester 1, 2021

1. System requirement:

OS: Windows 10 (recommended), Mac OS

Windows is highly suggested as it is Oracle's default platform. Oracle can be installed on Mac OS through Docker but the installation process is more complicated and more likely to fail. **Linux** is not supported.








Environment requirement:

(1) Java JDK 8, link: <https://www.oracle.com/au/java/technologies/javase/javase-jdk8-downloads.html>

(2) Set your system language to **English**

(3) Oracle version: Oracle Database **19c** (19.3)**Enterprise Edition**, link:
<https://www.oracle.com/au/database/technologies/oracle-database-software-downloads.html#19c>

There are multiple Oracle versions in the link provided, please make sure you download the version **19c** (19.3) shown as follows. Please make sure you choose the **Enterprise Edition** during the installation. **DO NOT** install Oracle **Express Edition** or **Standard Edition**.

19.3 - Enterprise Edition (also includes Standard Edition 2)		
Name	Download	Note
Microsoft Windows x64 (64-bit)	 ZIP (2.9 GB)	See All
Linux x86-64	 ZIP (2.8 GB)  RPM (2.5 GB)	See All
Oracle Solaris (SPARC systems, 64-bit)	 ZIP (2.8 GB)	See All
IBM AIX	 ZIP (4.1 GB)	See All
HP-UX ia64	 ZIP (4.7 GB)	See All
Linux on System z (64-bit)	 ZIP (2.6 GB)	See All

2. Installation instruction:

For Windows 10 user:

The installation process is quite straightforward, follow the guide in the following link to complete the installation

(note: the video shows the installation process for 12c edition, make sure you install the latest version (19c) instead): <https://www.youtube.com/watch?v=nD2bN1t-CwI&feature=youtu.be>

Change the following settings during the installation:

Database Edition: Enterprise Edition

Password: Password1!

Global database name: orcl.eait.uq.edu.au

Use default settings for the rest

The Oracle base folder in UQ lab is “C:\app\ntadmin\virtual\”, and the default folder in your computer will be different. Keep in mind such difference every time you see this folder name appears in the practical document.

If you are unable to run Oracle after installation and you plan to re-install, please first remove Oracle safely. The instruction can be found here:

<https://www.youtube.com/watch?v=-Hj859eJSc&feature=youtu.be>

3. INSTALL SQL DEVELOPER

Once, you have installed the sql plus, download and install sql developer from the following link (as per your operating system) -

<https://www.oracle.com/tools/downloads/sqldev-downloads.html>

For Mac OS user:

Please refer to the following link for the instruction: <https://medium.com/@mfofana/how-to-install-oracle-database-on-mac-os-sierra-10-12-or-above-c0b350fd2f2c>

A few things to note:

Kitematic (the GUI for managing containers) can no longer be installed separately. You'll need to install Docker Toolbox which includes Kitematic. The docker image used in that guide is for Oracle 12c **Standard Edition** (truevoly/oracle12c) but you should use the docker image for Oracle 12c **Enterprise Edition** instead (absolutapps/oracle-12c-ee). So replace the following terminal commands in the guide with the following:

```
docker pull truevoly/oracle-12c
=====> docker pull absolutapps/oracle-12c-ee
```

```
docker run -d -p 8080:8080 -p 1521:1521 -v ~/oracle_data:/u01/app/oracle
truevoly/oracle-12c
```

```
=====> docker run -d --name oracle -p 8080:8080 -p 1521:1521 -v  
~/oracle_data/~/u01/app/oracle absolutapps/oracle-12c-ee
```

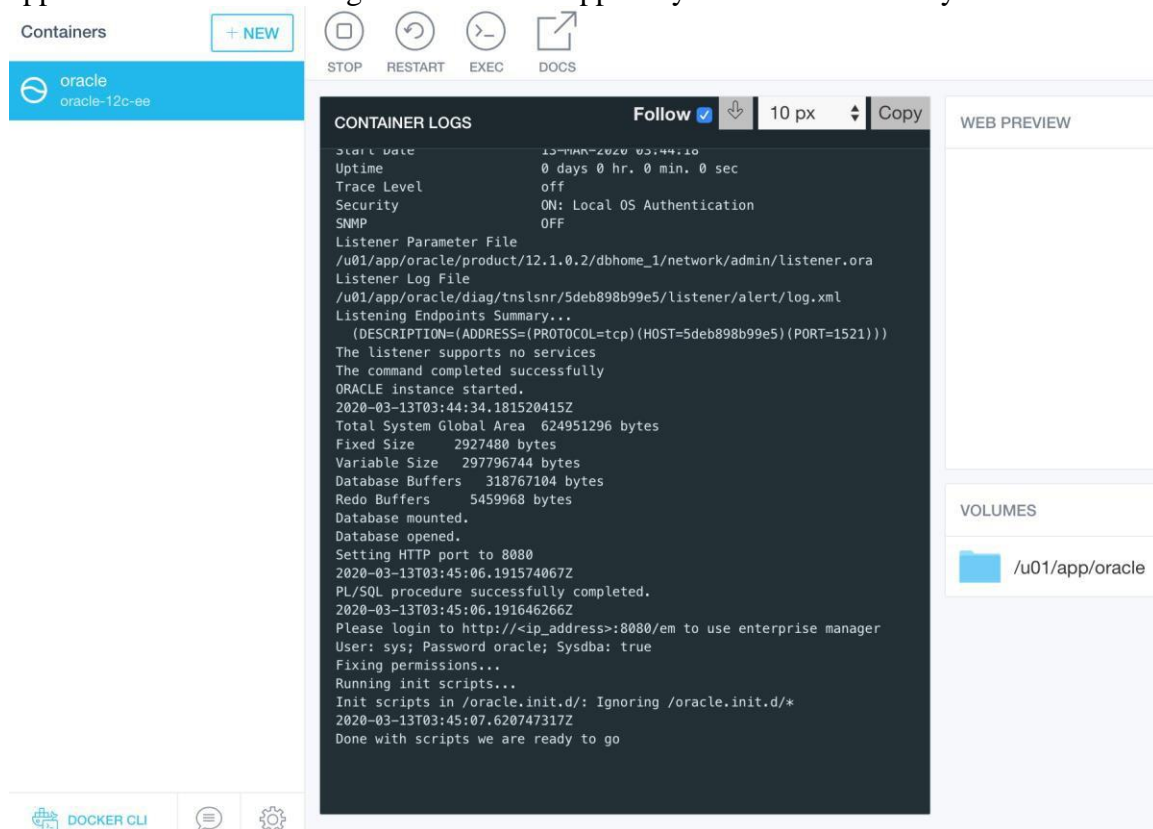
```
sqlplus system/oracle@//localhost:1521/xe
```

```
=====> sqlplus system/oracle@//localhost:1521/orcl
```

To be able to use SQL Plus/Developer, the docker container for Oracle database needs to have been loaded.

So

- 1) Make sure Docker is running (an icon in the top right corner of your screen should be present to indicate it is running)
- 2) Clicking START in Kitematic for your DB container will get the DB up and running. Then click the EXEC button.
- 3) You'll run into errors if you try to use Developer or Plus as the database hasn't been completely loaded yet, so wait until the line "Done with scripts we are ready to go" appears in the container log. Once that line appears your database is ready to be accessed.



Another video guide might be useful as well:

<https://www.youtube.com/watch?v=ciYsDbBx80s&feature=youtu.be>