Install Oracle Database 18c Express and Oracle Apex 18.2 / PL/SQL Gateway / Windows 10

In this tutorial I going to show you how to install **Oracle 18c Express** and Oracle **Apex 18.2** into **Windows**
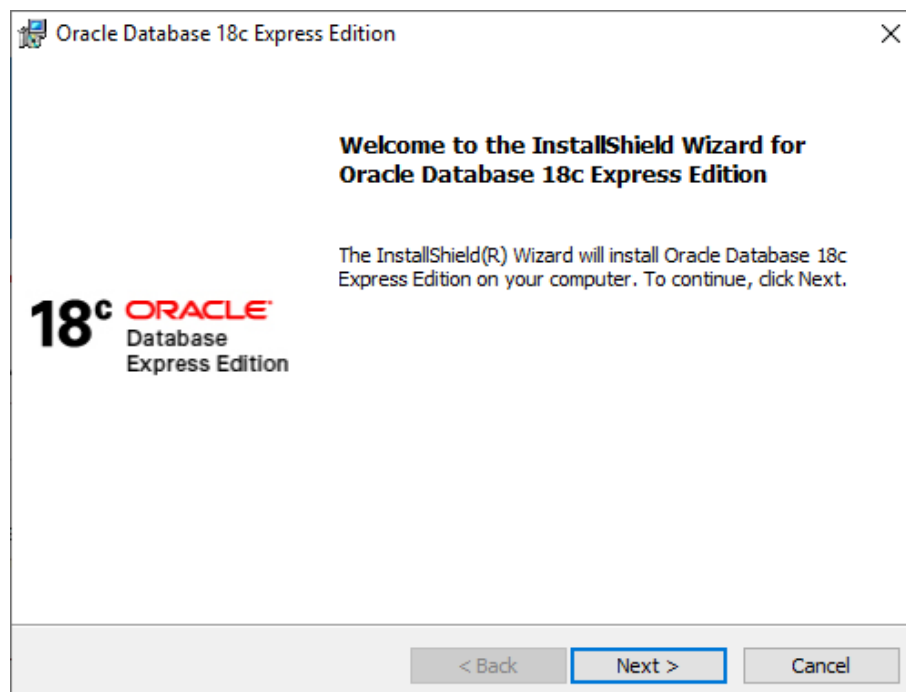

We need to know since version Oracle 12, exists the concepts of plug-gable databases and containers.
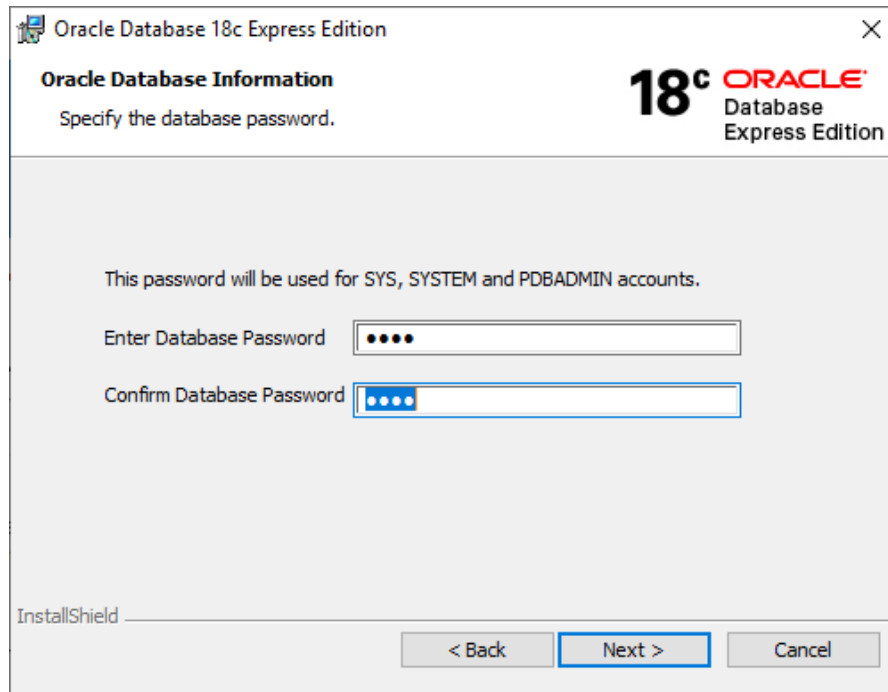So first download oracle database and oracle apex:

Oracle Database Express Edition (XE) Release 18.4.0.0.0 (18c)
Oracle APEX Release 18.2.0.00.12

Use the setup and next.

We need to provide and remember the passwords of sys, system y PDBADMIN

Finally we will have the URLs where we can access to the database
So, here I have some troubles to access because my listener was stopped.
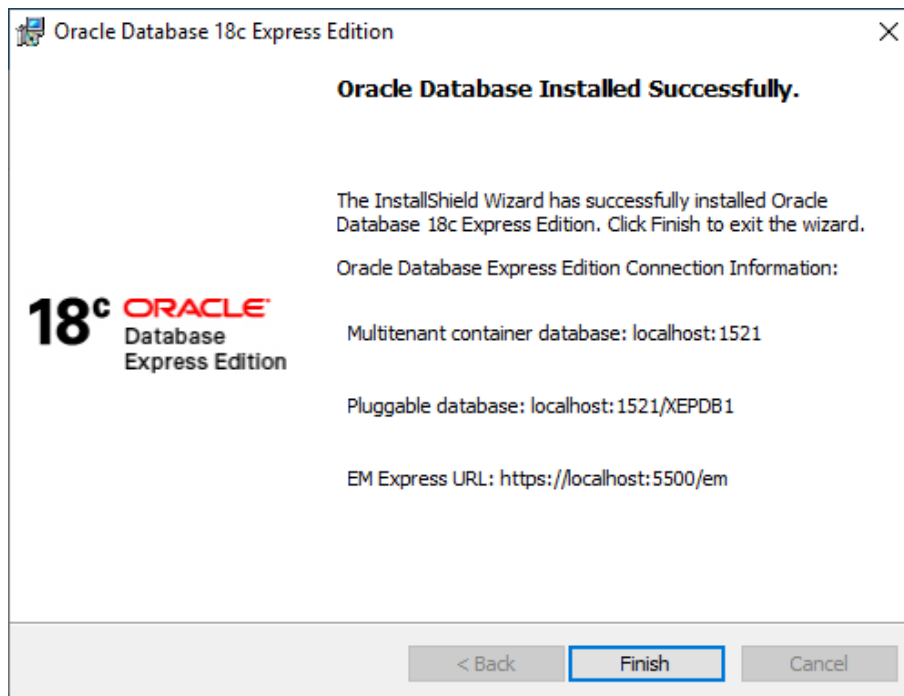
The URL for access is: **https://localhost:5500/em**

If you have problems to access. Check using

lsnrctl status

If the listener is stopped, you can start using:

lsnrctl start

This point is very important.

Firsts we going to check the current pdbs, connect to sqlplus as execute **show pdbs**, it must the display the correct mode, read only and read write.
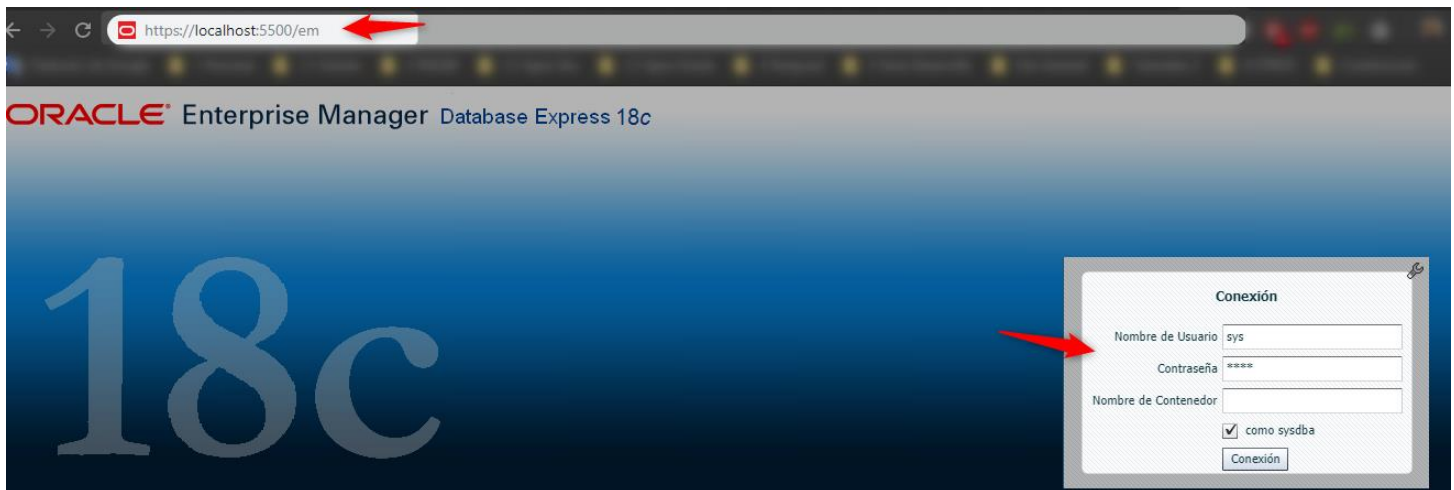

Before to start the install, we must to select the correct pdb.

ALTER SESSION SET CONTAINER = XEPDB1;

The containers since Oracle 12, is like this, for that reason before to install we need to select to correct container.

Next, Go to directory where you have apex 18.2 uncompressed, and install,

@apexins.sql SYSAUX SYSAUX TEMP /i/

```
Select Windows PowerShell                                    —  □  ✕
PS C:\MyPc\InstallApex\apex> sqlplus

SQL*Plus: Release 18.0.0.0.0 - Production on Sun Mar 3 17:28:10 2019
Version 18.4.0.0.0

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Enter user-name: sys as sysdba
Enter password:

Connected to:
Oracle Database 18c Express Edition Release 18.0.0.0.0 - Production
Version 18.4.0.0.0

SQL> show pdbs

    CON_ID CON_NAME                       OPEN MODE   RESTRICTED
---------- ------------------------------ ---------- ----------
         2 PDB$SEED                       READ ONLY  NO
         3 XEPDB1                         READ WRITE NO
SQL> ALTER SESSION SET CONTAINER = XEPDB1;

Session altered.

SQL> show pdbs

    CON_ID CON_NAME                       OPEN MODE   RESTRICTED
---------- ------------------------------ ---------- ----------
         3 XEPDB1                         READ WRITE NO
SQL> @apexins.sql SYSAUX SYSAUX TEMP /i/▮
```

Set the password of admin.

@apxchpwd.sql

```
PL/SQL procedure successfully completed.




1 row selected.

...null1.sql
SYS> @apxchpwd.sql
...set_appun.sql
================================================================
==
This script can be used to change the password of an App
instance administrator. If the user does not yet exist,
created.
================================================================

Enter the administrator's username [ADMIN]
User "ADMIN" does not yet exist and will be created.
Enter ADMIN's email [ADMIN]
Enter ADMIN's password []
Created instance administrator ADMIN.
```

Configure the PL/SQL Gateway for local environment.

Use the parent directory as URL.

@apex_epg_config.sql C:\MyPc\InstallApex
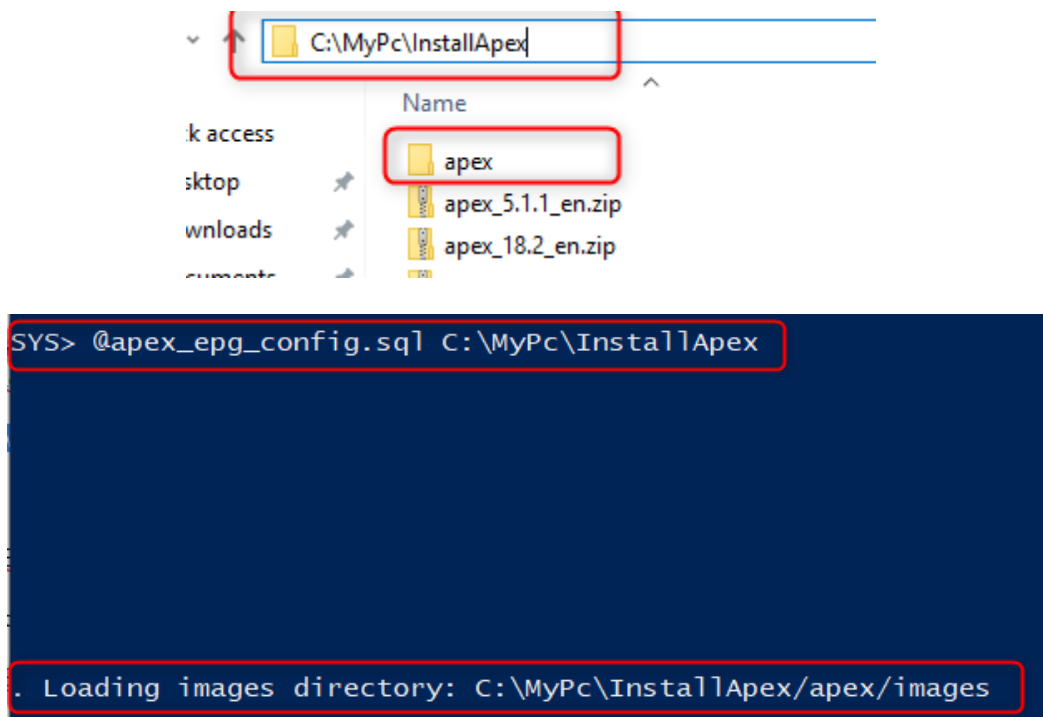
Next, check the port:

SELECT DBMS_XDB.GETHTTPPORT FROM DUAL;

If is 0 we need to change with 8080, or another.

EXEC DBMS_XDB.SETHTTPPORT(8080);

The last step, connect in another cmd as sysdba, and show pdbs, for be sure we are in both container, PDB$SEDD and XEPDB1.

If we are in both and with that mode, execute:

ALTER USER ANONYMOUS ACCOUNT UNLOCK;

```
 Windows PowerShell

Copyright (c) 1982, 2018, Oracle.  All rights reserved.

Enter user-name: sys as sysdba
Enter password:

Connected to:
Oracle Database 18c Express Edition Release 18.0.0.0.0 - Production
Version 18.4.0.0.0

SQL> show pdbs

    CON_ID CON_NAME                           OPEN MODE  RESTRICTED
---------- ------------------------------ ---------- ----------
         2 PDB$SEED                           READ ONLY  NO
         3 XEPDB1                             READ WRITE NO
SQL> ALTER USER ANONYMOUS ACCOUNT UNLOCK;

User altered.
```

Finally we can enter to Oracle Apex 18.2

http://localhost:8080/apex
http://localhost:8080/apex/apex_admin

First time enter as workspace **Internal** and user **admin**, and pass of the installation.