





BASES DE DONNÉES AVANCÉES

Guide Logiciels Nécessaires

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Cycle d'ingénieur : Génie Informatique

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Année universitaire : 2023/2024 Filière Cycle d'Ingénieur GI Prof Y. FARHAOUI/H. ZEKKOURI

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Oracle Database 21c XE

ETAPE 1: Télécharger le fichier .zip

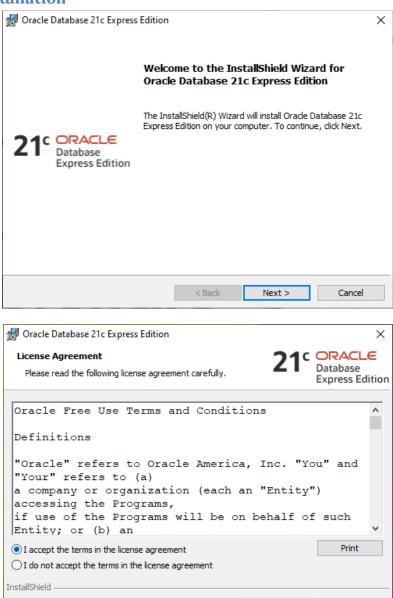
https://drive.google.com/drive/folders/1E5KyxenTvPvI5AH3MxRbW2GYobFdSE5K?usp=sharing

ETAPE 2: Extraire le contenu avec WinRaR

ETAPE 3: Exécuter <u>setup.exe</u>

ater <u>setupiene</u>			
> Docs > 06. DB > OracleXE213_Win64 >			
Name ^	Date modified	Туре	Size
ISSetupPrerequisites	9/28/2021 8:33 PM	File folder	
👼 0x040a.ini	8/12/2016 8:15 PM	Configuration sett	25 KB
💀 0x040c.ini	8/12/2016 8:01 PM	Configuration sett	26 KB
🚮 0x0404.ini	8/12/2016 7:56 PM	Configuration sett	11 KB
a 0x0407.ini	8/12/2016 8:03 PM	Configuration sett	26 KB
👼 0x0409.ini	3/21/2016 6:04 PM	Configuration sett	22 KB
👼 0x0410.ini	8/12/2016 8:07 PM	Configuration sett	25 KB
👼 0x0411.ini	3/22/2016 11:57 PM	Configuration sett	15 KB
🗟 0x0412.ini	8/12/2016 8:08 PM	Configuration sett	14 KB
🚮 0x0416.ini	8/12/2016 8:11 PM	Configuration sett	24 KB
a 0x0804.ini	8/12/2016 7:54 PM	Configuration sett	11 KB
1028.mst	9/28/2021 9:35 PM	MST File	76 KB
1031.mst	9/28/2021 9:35 PM	MST File	104 KB
1033.mst	9/28/2021 9:35 PM	MST File	20 KB
1034.mst	9/28/2021 9:35 PM	MST File	104 KB
1036.mst	9/28/2021 9:35 PM	MST File	104 KB
1040.mst	9/28/2021 9:35 PM	MST File	104 KB
1041.mst	9/28/2021 9:35 PM	MST File	96 KB
1042.mst	9/28/2021 9:35 PM	MST File	92 KB
1046.mst	9/28/2021 9:35 PM	MST File	96 KB
2052.mst	9/28/2021 9:35 PM	MST File	76 KB
DB.cab	9/28/2021 9:52 PM	Archive WinRAR	1,907,646 KB
🕝 Oracle Database 21c Express Edition.msi	9/28/2021 9:53 PM	Windows Installer	4,145 KB
🖏 setup.exe	9/28/2021 9:53 PM	Application	1,271 KB
📓 Setup.ini	9/28/2021 9:36 PM	Configuration sett	6 KB
XEInstall.rsp	9/28/2021 8:28 AM	RSP File	1 KB

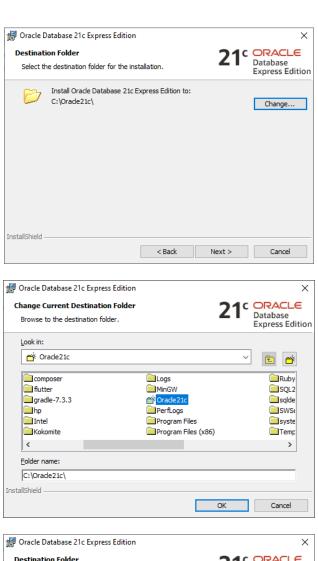
ETAPE 4: L'installation

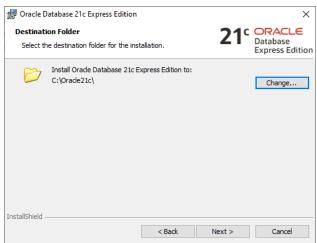


< Back

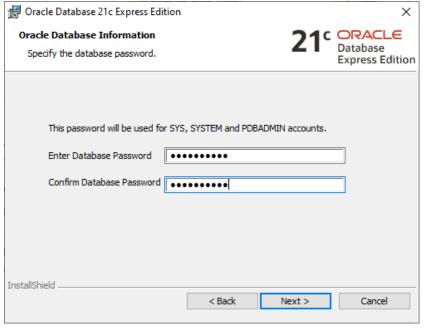
Next >

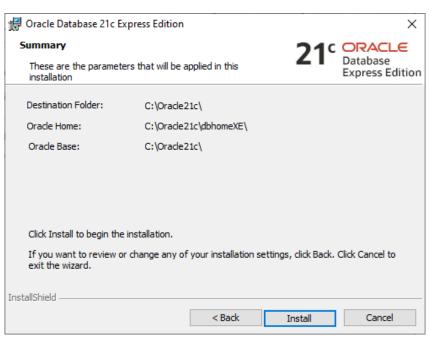
- Changer la destination par défaut avec un nouveau dossier "Oracle21c" :

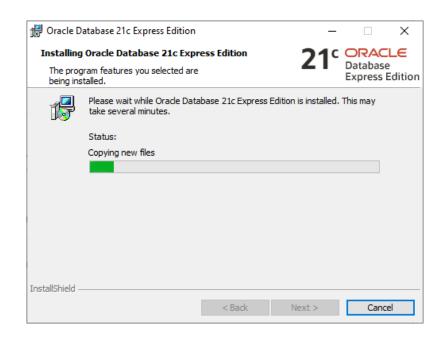


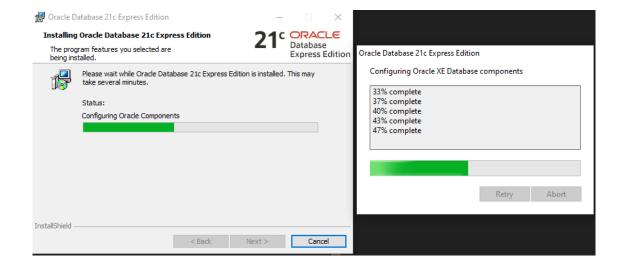


- Définir un mot de passe - Pour ne pas oublier - Utiliser « Adminorcl1 » :

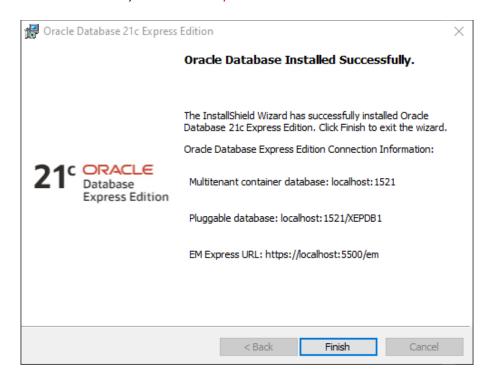






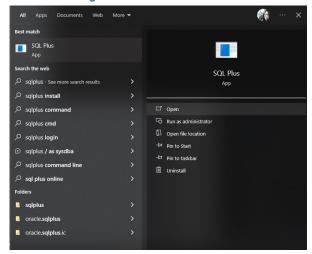


Votre PDB est accessible, localhost:1521/XEPDB1 :





ETAPE 5: Configuration avec SQL Plus



- Exécuter la commande : /as sysdba

```
SQLPlus: Release 21.0.0.0.0 - Production on Thu Mar 21 22:02:56 2024

Version 21.3.0.0.0

Copyright (c) 1982, 2021, Oracle. All rights reserved.

Enter user-name: /as sysdba

Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0
```

Si ça donne des erreurs, essayez – changer password avec votre password:

sys/your password@//localhost:1521/xe as sysdba

- Exécuter la commande, pour visualisers les PDBS : show pdbs

```
SQL> show pdbs

CON_ID CON_NAME

2 PDB$SEED

3 XEPDB1

READ WRITE NO

SQL>
```

Nous allons utilizer XEPDB1 avec READ WRITE.

- Exécuter la commande : connect

SQL> connect Enter user-name: sys/Adminorcl1@//127.0.0.1:1521/XEPDB1 as sysdba Connected.

- Créer un utilisateur root avec mot de passe root

```
SQL> CREATE USER root IDENTIFIED BY root;
User created.

SQL> grant create view, create procedure, create sequence to root;

Grant succeeded.

SQL> grant create session to root;

Grant succeeded.

SQL> grant create table, create synonym, create sequence, create procedure, unlimited tablespace to root;

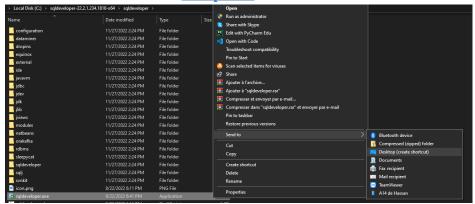
Grant succeeded.
```

- Tester si vous pouvez se connecter avec l'utilisateur :

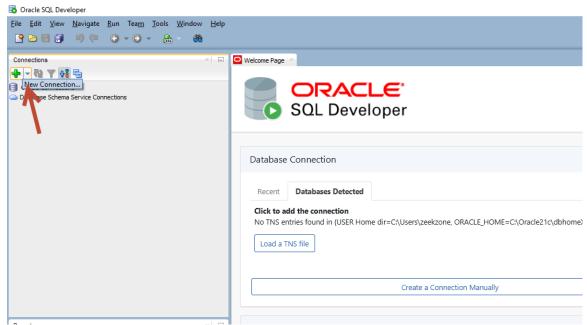
SQL> connect Enter user-name: root/root@//127.0.0.1:1521/XEPDB1 as sysdba Connected. SQL>

SQL Developer

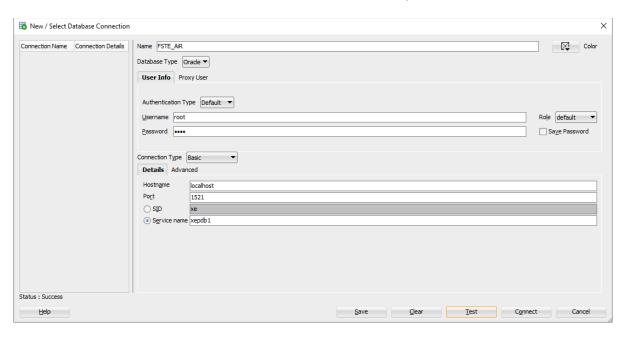
- ETAPE 1: Télécharger le fichier .zip
- **ETAPE 2: Extraire le contenu avec WinRaR**
- ETAPE 3: Déplacer le dossier dans votre C:/
- ETAPE 4 : Créer un raccourci de setup.exe

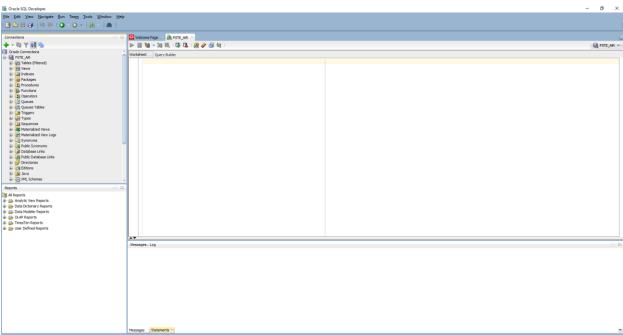


ETAPE 4 : Lancement de SQL Developer et création d'un base de donnée



- Donnez les informations de votre base, Tester la connexion puis Connect :

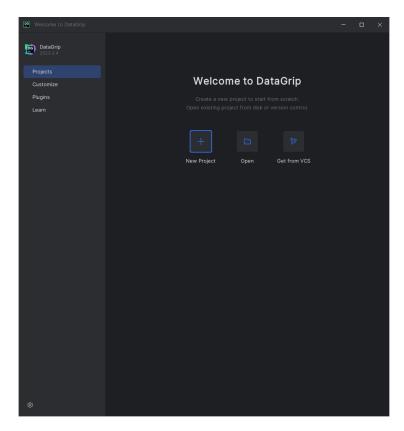


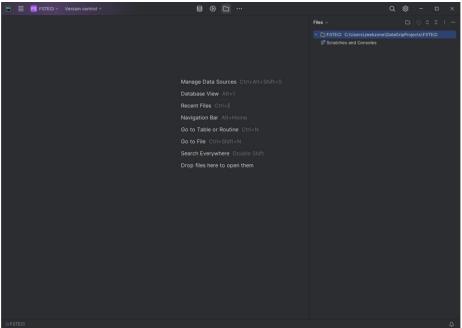


DataGrip of JetBrains

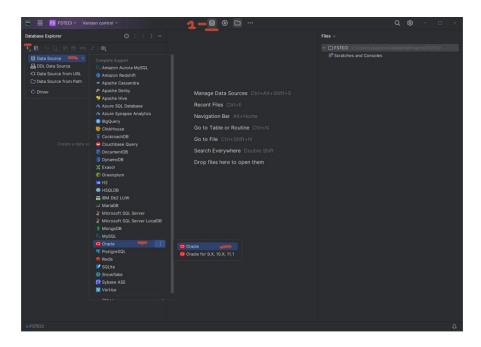
Avec votre email universitaire/Github Student Pack, installer jetbrains toolbox et installer DataGrip.

- Nouveau Projet FSTECI

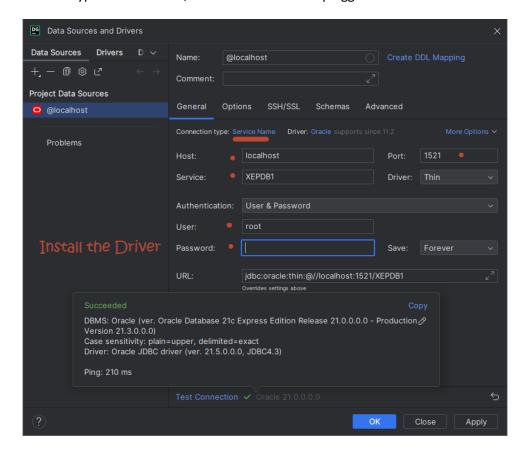


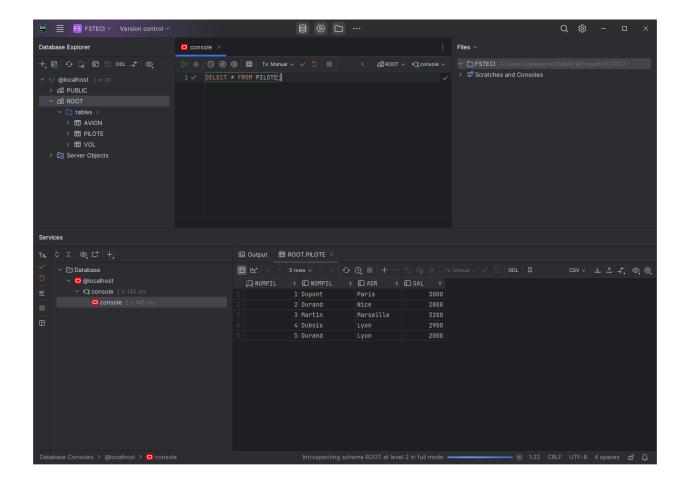


- Créer un Data Source



- Connection type Service Name, Service XEPDB1 votre pluggable database + Driver Install





ANNEXE

- sys/Adminorcl1@//localhost:1521/XEPDB1 as sysdba
- sys/Adminorcl1@//127.0.0.1:1521/XEPDB1 as sysdba
- CREATE USER root IDENTIFIED BY root;
- grant create view, create procedure, create sequence to root;
- grant create session to root;
- grant create table, create synonym, create sequence, create procedure, unlimited tablespace to root;

Troubleshooting

- ORA-12170: TNS:Connect timeout occurred
- Vérifier les services oracle : Win+R, services.msc
- Dans votre cmd verifier le status de listener, il faut avoir localhost ou un IP

```
:\Users\zeekzone>lsnrctl status
LSNRCTL for 64-bit Windows: Version 21.0.0.0.0 - Production on 21-MAR-2024 22:11:48
Copyright (c) 1991, 2021, Oracle. All rights reserved.
Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=DESKTOP-9DURVO1)(PORT=1521)))
TNS-12535: TNS:operation timed out
TNS-12560: TNS:protocol adapter error
TNS-00505: Operation timed out
 64-bit Windows Error: 60: Unknown error
Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=IPC)(KEY=EXTPROC1521)))
STATUS of the LISTENER
Alias
                                            LISTENER
TNSLSNR for 64-bit Windows: Version 21.0.0.0.0 - Production 21-MAR-2024 21:50:28
Version
Start Date
                                            0 days 0 hr. 21 min. 40 sec
off
Uptime
Trace Level
 Security
                                             ON: Local OS Authentication
SNMP
Default Service XE
Listener Parameter File C:\Oracle21c\homes\OraDB21Home1\network\admin\listener.ora
Listener Log File C:\Oracle21c\diag\tnslsnr\DESKTOP-9DURVO1\listener\alert\log.xml
Listening Endpoints Summary...
(DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=DESKTOP-9DURVO1)(PORT=1521)))
(DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(PIPENAME=\\.\pipe\EXTPROC1521ipc)))
Services Summary...
Service "CLRExtProc" has 1 instance(s).
Instance "CLRExtProc", status UNKNOWN, has 1 handler(s) for this service...
The command completed successfully
```

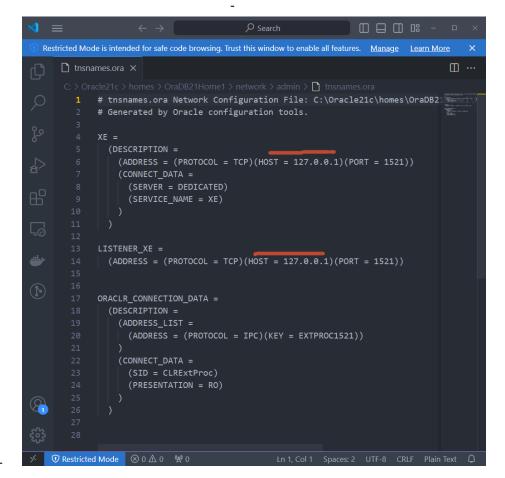
Sinon: dans les deux fichiers changer votre hôte :

> Local Disk (C:) > Oracle21c > homes > OraDB21Home1 > network > admin					
Name	Date modified	Туре	Size		
listener.ora	3/21/2024 11:09 PM	ORA File	1 KB		
sqlnet.ora	3/21/2024 9:32 PM	ORA File	1 KB		
sqlnet2403219PM3234.bak	3/21/2024 9:32 PM	BAK File	1 KB		
tnsnames.ora	3/21/2024 11:11 PM	ORA File	1 KB		

```
∠ Search

          Restricted Mode is intended for safe code browsing. Trust this window to enable all features. <u>Manage</u> <u>Learn More</u>
                         listener.ora ×
                                                      # listener.ora Network Configuration File: C:\Oracle21c\homes\OraDB21\limin_e1
                                                       # Generated by Oracle configuration tools.
                                                       DEFAULT_SERVICE_LISTENER = XE
                                                        SID_LIST_LISTENER =
                                                                 (SID_LIST =
                                                                         (SID_DESC =
                                                                                 (SID_NAME = CLRExtProc)
                                                                                  (ORACLE_HOME = C:\Oracle21c\dbhomeXE)
(ENVS = "EXTPROC_DLLS=ONLY:C:\Oracle21c\dbhomeXE\bin\oraclr.dll
                                                               (DESCRIPTION_LIST =
                                                                           (DESCRIPTION =
                                                                                (ADDRESS = (PROTOCOL = TCP)(HOST = 127.0.0.1)(PORT = 1521))
                                                                                  (ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC1521))
                Transfer of the stricted Mode  

Restricted Mode
```



- Dans votre cmd, éxecutez:

lsnrctl stop

lsnrctl start

Sources:

https://www.youtube.com/watch?v=iv7qlWMsHFc&ab_channel=TheOracleProfessor https://youtu.be/62loxIrfxzk?t=582