

oracle database 19c on centos7.6+

Download the next file(arch=linux),and use winscp send the file to centos7.

1	url	Filename	arch
2	http://yum.oracle.com/repo/OracleLinux/OL7/latest/x86_64/	oracle-database-preinstall-19c-1.0-1.el7.x86_64.rpm	linux
3	https://www.oracle.com/database/technologies/oracle-database-software-downloads.html#19c	Linux x86-64	linux
4	https://www.oracle.com/database/technologies/instant-client/win64-64-downloads.html	instantclient-basic-windows.x64-19.11.0.0.0dbru.zip	Win10
5	https://www.allroundautomations.com/products/pl-sql-developer/free-trial/	PL/SQL Developer Evaluation Version 14.0.6 64-bit	Win10

you will perform the following:

- Make the machine IP address static
- Configure Putty/xshell/termius to connect to centos7
- use .rpm isntall oracle database and configure oracle
- set the database to automatically start up.
- verify that the database has automatically started and Available

1. login as root

```
yum localinstall oracle-database-preinstall-19c-1.0-1.el7.x86_64.rpm -y
yum localinstall oracle-database-ee-19c-1.0-1.x86_64.rpm
```

2. Edit the /etc/init.d/oracledb_ORCLCDB-19c file
vi /etc/init.d/oracledb_ORCLCDB-19c

```
export ORACLE_VERSION=19c
export ORACLE_SID=ORCLCDB # instance name , you can change it or not
export TEMPLATE_NAME=General_Purpose.dbc
export CHARSET=ZHS16GBK # character set ,you should chang it like this
export PDB_NAME=ORCLPDB1
```

3. option

if 2 you change the ORACLE_SID like ORACLE_SID=orcl,you should do it :

```
cd /etc/sysconfig/
```

```
cp oracledb_ORCLCDB-19c.conf oracledb_orcl-19c.conf
```

4. /etc/init.d/oracledb_ORCLCDB-19c configure

ps: wait a few min .

5.

```
passwd oracle
```

```
sqlplus / as sysdba
```

```
alter user sys identified by 123456;
```

```
alter user sys account unlock;
```

```
shutdown immediately;
```

```
startup
```

```
exit
```

```
lsnrctl status
```

```
lsnrctl stop
```

```
lsnrctl start
```

6. Edit the `/etc/profile.d/oracle19c.sh` file, Increase environment variables
`vim /etc/profile.d/oracle19c.sh`

```
export ORACLE_HOME=/opt/oracle/product/19c/dbhome_1
export PATH=$PATH:/opt/oracle/product/19c/dbhome_1/bin
export ORACLE_SID=ORCLCDB
```

7. win10 verify that the database has automatically started and Available

download the file :
`/opt/oracle/product/19c/dbhome_1/network/admin/tnsnames.ora`

```
unzip instantclientxxx.zip -d D:oracleinstallclnt
```

then: make dir network netx make the dir admin ,put the file
tnsnames.ora into it

edit tnsnames.ora

localhost change to yourcentos7 ip

8. verify that the database Available

1) first ,Click the cancel button

pl sql developer ->configure->preferences

oracle home: D:oracleinstallclnt
oci library:D:oracleinstallclnt\oci.dll

2) then,close the page

3) open the pl sql developer

username: sys
password: your passwd
database: your ORACLE sid
connect as :sysdba

4)

then,file->new->sql windows - >> `select * from v$database; select * from user_tables;` ->F8

5) reboot

```
6) do 3) then exec :  
select * from v$database; select * from user_tables; ->F8
```

if you get some data ,Congratulations!