

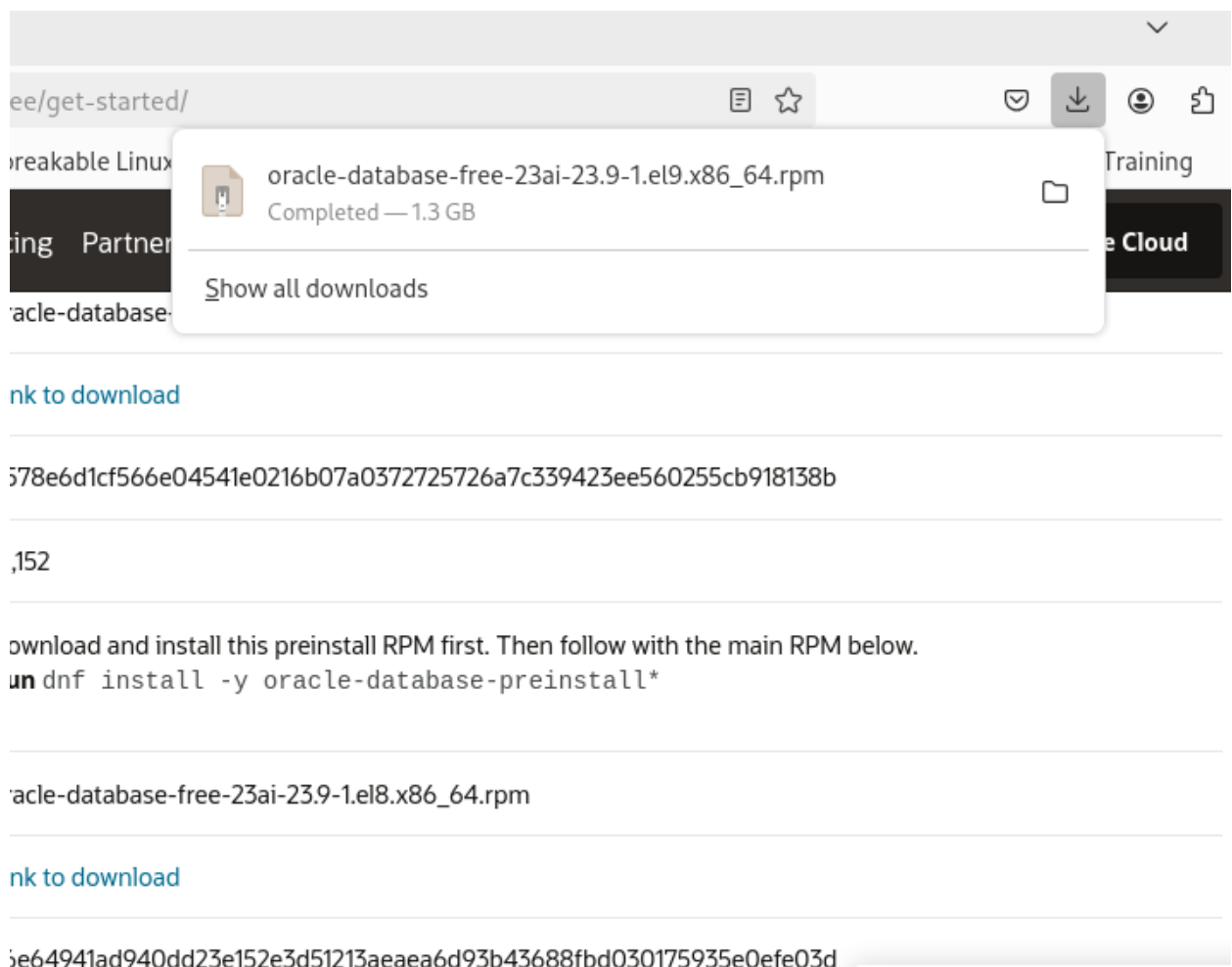
Lojain Idris

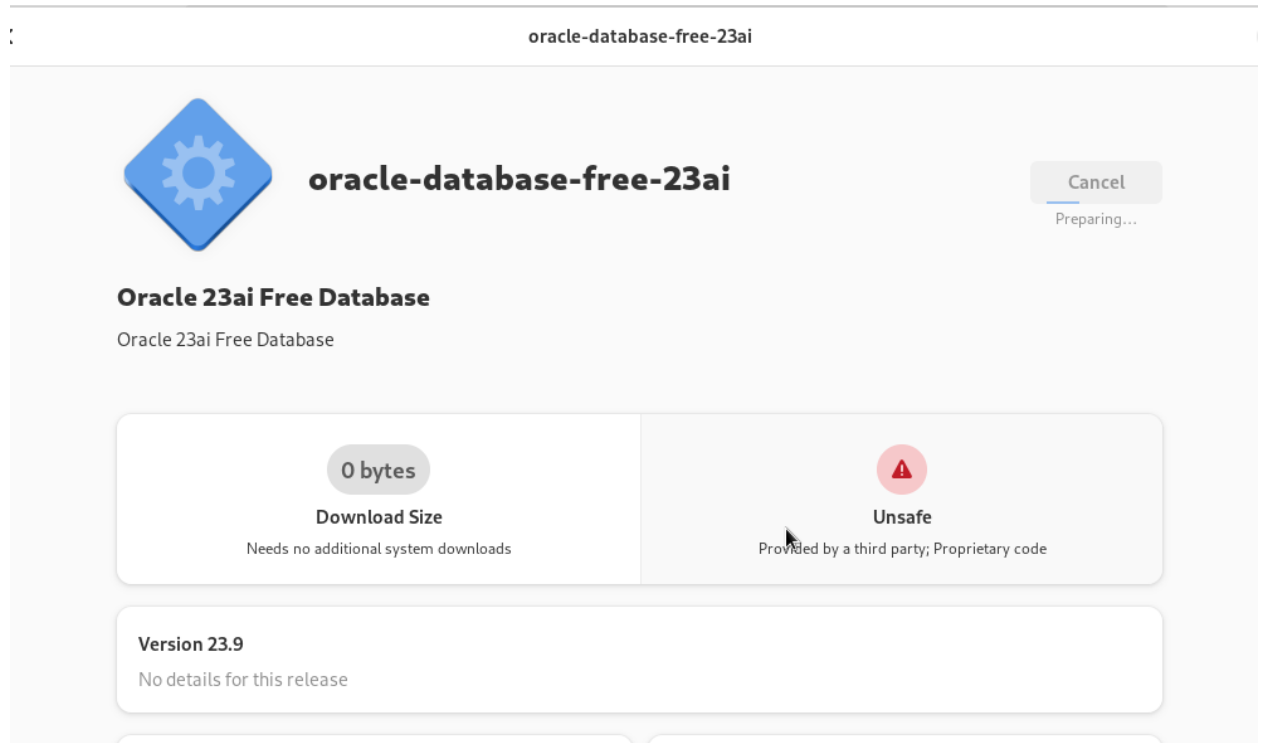
Lab 2

September 11, 2025

Oracle Personnel Edition Installation and Database 424 Creation Guide by Steps

1. Installed the installer which oracle database from oracle website which is oracle Linux 9 and the rpm package which is oracle-database-free-23ai-23.9-1.el9.x86_64.rpm.





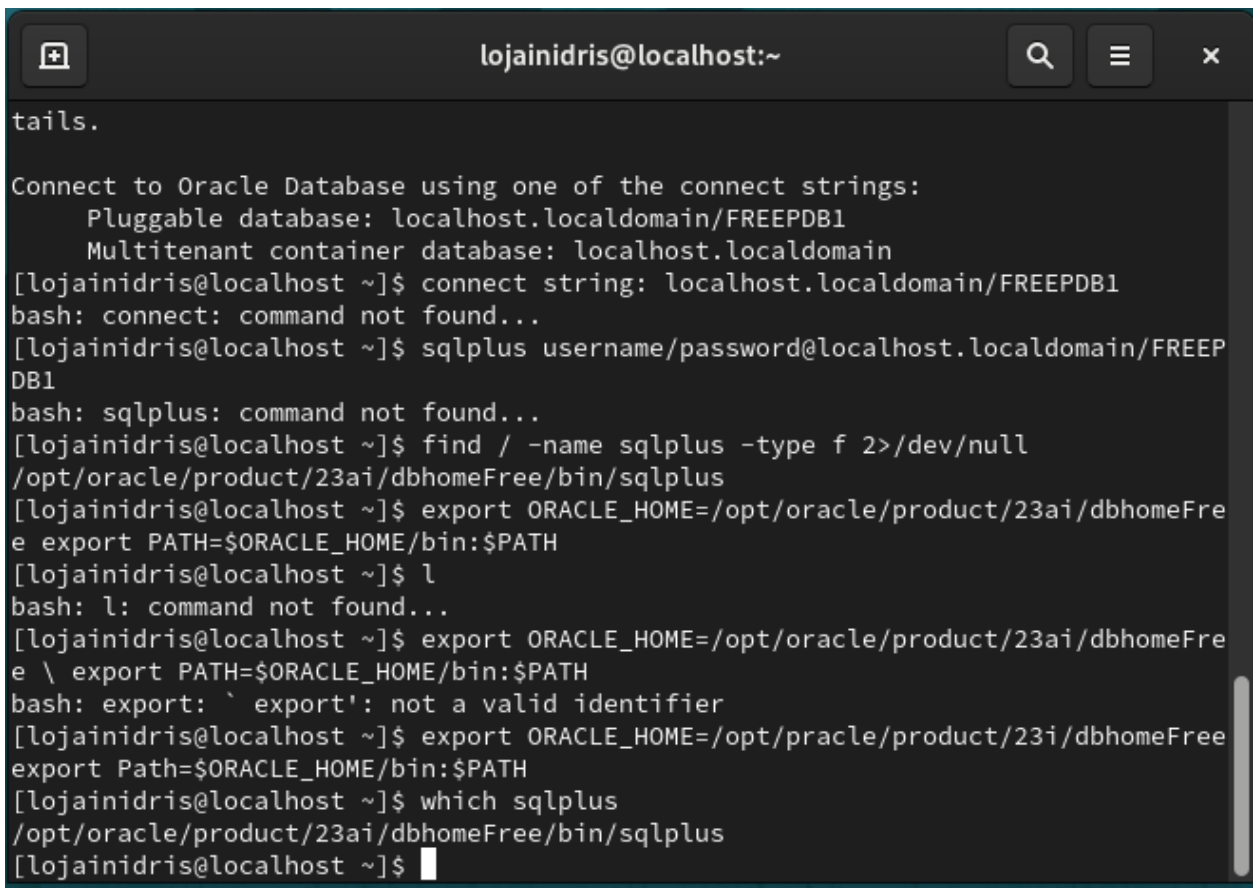
2. After I installed the oracle database free 23c I configured it using the command `sudo /etc/init.d/oracle-free-23ai configure` which configures the file and install the database. After I created password for database to secure it and continue the creation of database.

```
lojainidris@localhost:~ — sudo /etc/init.d/oracle-free-23ai con...
[lojainidris@localhost ~]$ rpm -qa | grep orale
bash: rpm: command not found...
Similar command is: 'rpm'
[lojainidris@localhost ~]$ rpm -qa | grep oracle
oracle-indexhtml-9-4.0.1.el9_2.noarch
oraclelinux-release-9.6-1.0.8.el9.x86_64
oracle-logos-90.4-1.0.1.el9.x86_64
oracle-backgrounds-90.4-1.0.1.el9.noarch
oraclelinux-release-el9-1.0-24.el9.x86_64
oracle-database-preinstall-23ai-1.0-3.el9.x86_64
oracle-database-free-23ai-23.9-1.x86_64
[lojainidris@localhost ~]$ sudo /etc/init.d/oracle-free-23c configure
sudo: /etc/init.d/oracle-free-23c: command not found
[lojainidris@localhost ~]$ ls/etc/init.d/ | grep oracle
bash: ls/etc/init.d/: No such file or directory
[lojainidris@localhost ~]$ systemctl list-unit-files | grep oracle
oracle-database-preinstall-23ai-firstboot.service disabled disabled
oracle-free-23ai.service generated -
[lojainidris@localhost ~]$ sudo /etc/init.d/oracle-free-23ai configure
[sudo] password for lojainidris:
Specify a password to be used for database accounts. Oracle recommends that the
password entered should be at least 8 characters in length, contain at least 1 u
ppercase character, 1 lower case character and 1 digit [0-9]. Note that the same
password will be used for SYS, SYSTEM and PDBADMIN accounts:
```

3. After the completion of creation, it created it automatically name for it which is FREE and system Identifier FREE.

```
lojainidris@localhost:~
29% complete
Creating and starting Oracle instance
30% complete
33% complete
36% complete
39% complete
43% complete
Completing Database Creation
47% complete
49% complete
50% complete
Creating Pluggable Databases
54% complete
71% complete
Executing Post Configuration Actions
93% complete
Running Custom Scripts
100% complete
Database creation complete. For details check the logfiles at:
/opt/oracle/cfgtoollogs/dbca/FREE.
Database Information:
Global Database Name:FREE
System Identifier(SID):FREE
Look at the log file "/opt/oracle/cfgtoollogs/dbca/FREE/FREE.log" for further de
```

4. After the completion of the database and creation, I had to connect to oracle database to have administration I connect string through this command connect string: localhost.localdomain/FREEDB1 but it return command not found due to not installing oracle client tools. Then I install sqlplus using this command: sqlplus username/password@localhost.localdomain/FREEDB as sysdba once again it return command not found due to shell not able to read sqlplus file, then I add sqlplus to my path using this command:
- ```
export ORACLE_HOME=/opt/oracle/product/23ai/dbhomeFree
export PATH=$ORACLE_HOME/bin:$PATH
```
- After I add sqlplus to my path I was able to connect to oracle database sqlplus username/password@localhost.localdomain/FREEDB as sysdba



```
lojainidris@localhost:~
tails.

Connect to Oracle Database using one of the connect strings:
 Pluggable database: localhost.localdomain/FREEDB1
 Multitenant container database: localhost.localdomain
[lojainidris@localhost ~]$ connect string: localhost.localdomain/FREEDB1
bash: connect: command not found...
[lojainidris@localhost ~]$ sqlplus username/password@localhost.localdomain/FREEDB1
bash: sqlplus: command not found...
[lojainidris@localhost ~]$ find / -name sqlplus -type f 2>/dev/null
/opt/oracle/product/23ai/dbhomeFree/bin/sqlplus
[lojainidris@localhost ~]$ export ORACLE_HOME=/opt/oracle/product/23ai/dbhomeFree
e export PATH=$ORACLE_HOME/bin:$PATH
[lojainidris@localhost ~]$ l
bash: l: command not found...
[lojainidris@localhost ~]$ export ORACLE_HOME=/opt/oracle/product/23ai/dbhomeFree
e \ export PATH=$ORACLE_HOME/bin:$PATH
bash: export: `export': not a valid identifier
[lojainidris@localhost ~]$ export ORACLE_HOME=/opt/pracle/product/23i/dbhomeFree
export Path=$ORACLE_HOME/bin:$PATH
[lojainidris@localhost ~]$ which sqlplus
/opt/oracle/product/23ai/dbhomeFree/bin/sqlplus
[lojainidris@localhost ~]$
```

5.

```
lojainidris@localhost:~
SP2-0750: You may need to set ORACLE_HOME to your Oracle software directory
[lojainidris@localhost ~]$ export ORACLE_HOME=/opt/oracle/product/23ai/dbhomeFree/
[lojainidris@localhost ~]$ export ORACLE_HOME=/opt/oracle/product/23ai/dbhomeFree/
export PATH=$ORACLE_HOME/bin:$PATH/
[lojainidris@localhost ~]$ export ORACLE_HOME=/opt/oracle/product/23ai/dbhomeFree/
export PATH=$ORACLE_HOME/bin:$PATH/export LD_LIBRARY_PATH=$ORACLE_HOME/lib
[lojainidris@localhost ~]$ which sqlplus
/opt/oracle/product/23ai/dbhomeFree/bin/sqlplus
[lojainidris@localhost ~]$ sqlplus sys/your_sys_password@localhost.localdomain/FREEPDB1 as sysdba
Error 6 initializing SQL*Plus
SP2-0667: Message file sp1<lang>.msb not found
SP2-0750: You may need to set ORACLE_HOME to your Oracle software directory
[lojainidris@localhost ~]$ eport/
bash: eport/: No such file or directory
[lojainidris@localhost ~]$ eport/
bash: eport/: No such file or directory
[lojainidris@localhost ~]$ export ORACLE_HOME=/opt/oracle/product/23ai/dbhomeFree && export PATH=$ORACLE_HOME/bin:$PATH && export LD_LIBRARY_PATH=$ORACLE_HOME/lib
[lojainidris@localhost ~]$ which sqlplus
/opt/oracle/product/23ai/dbhomeFree/bin/sqlplus
[lojainidris@localhost ~]$
```