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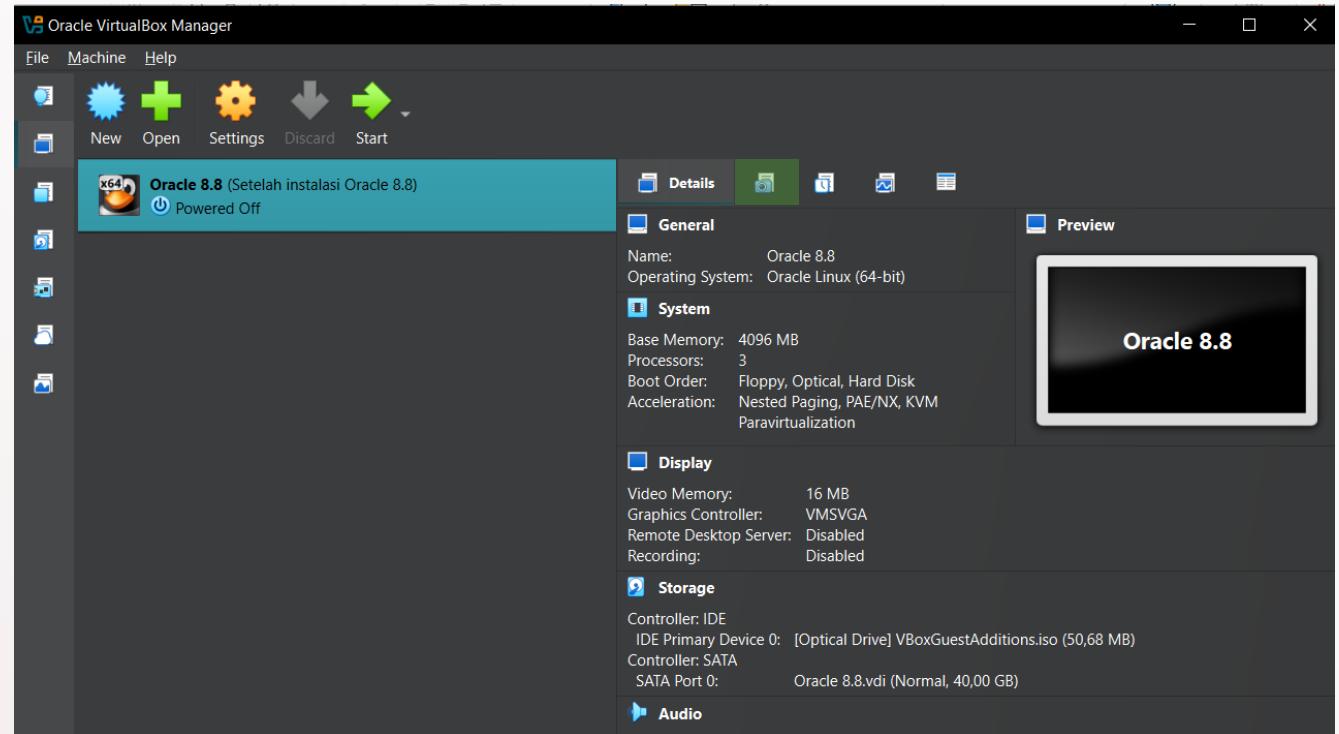


# Instalasi Oracle Database 23ai pada Oracle 8.8

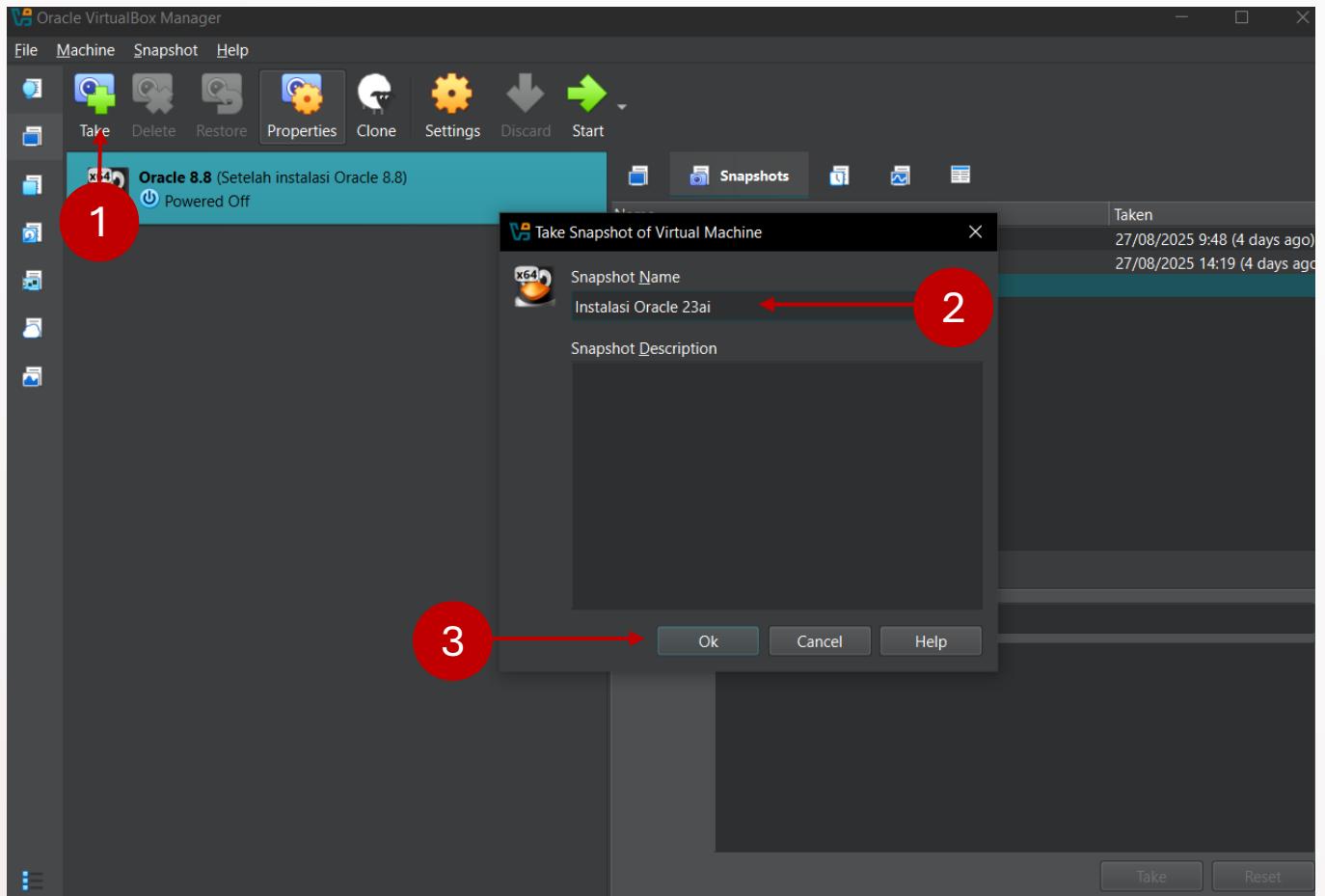
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Praktikum Oracle Database Administrator

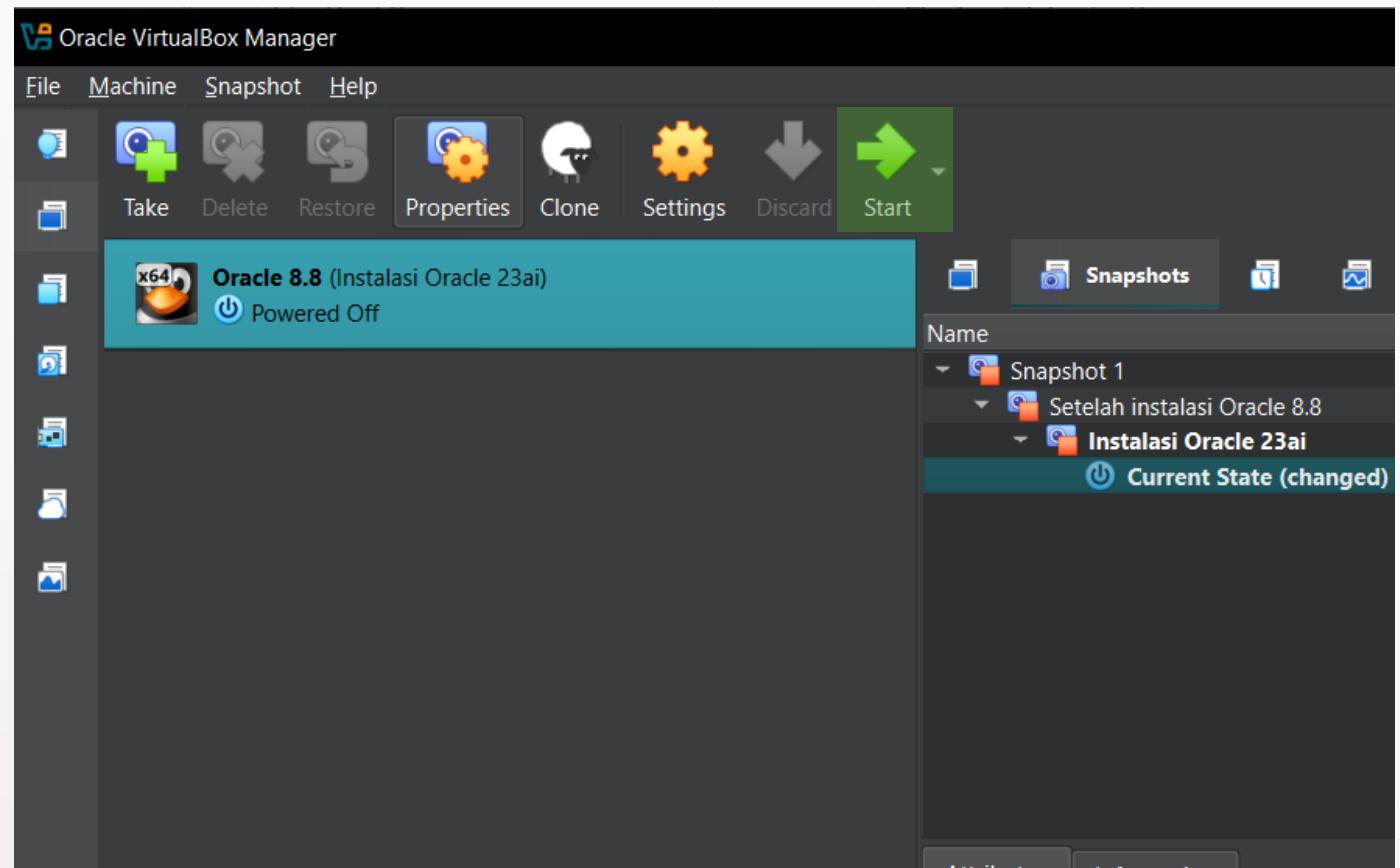
1.  
Buka Oracle  
VirtualBox,  
setelah itu buka  
tab Snapshots



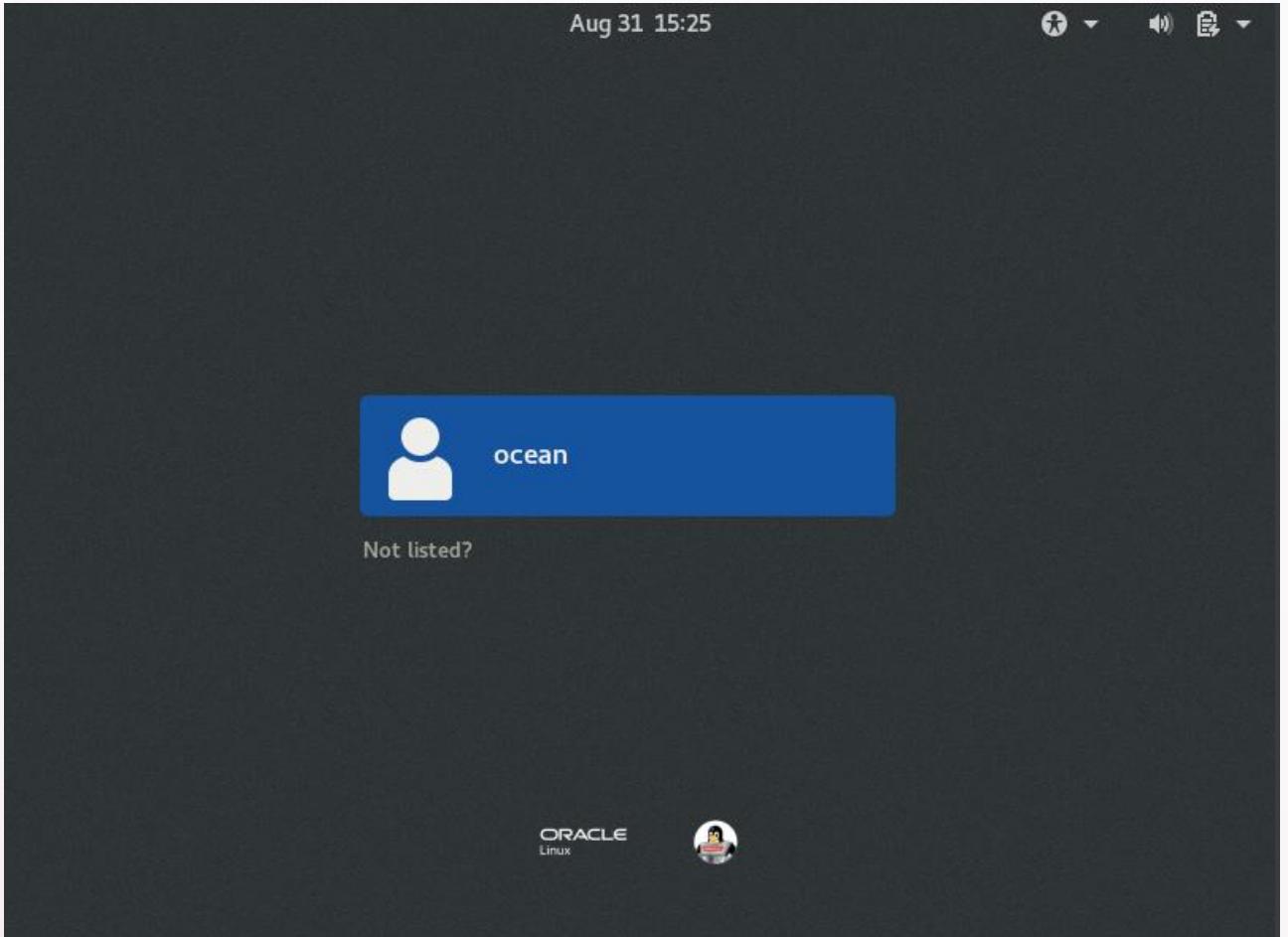
2.  
Take snapshot  
sebelum proses  
instalasi Oracle 23ai  
dalam Oracle 8.8



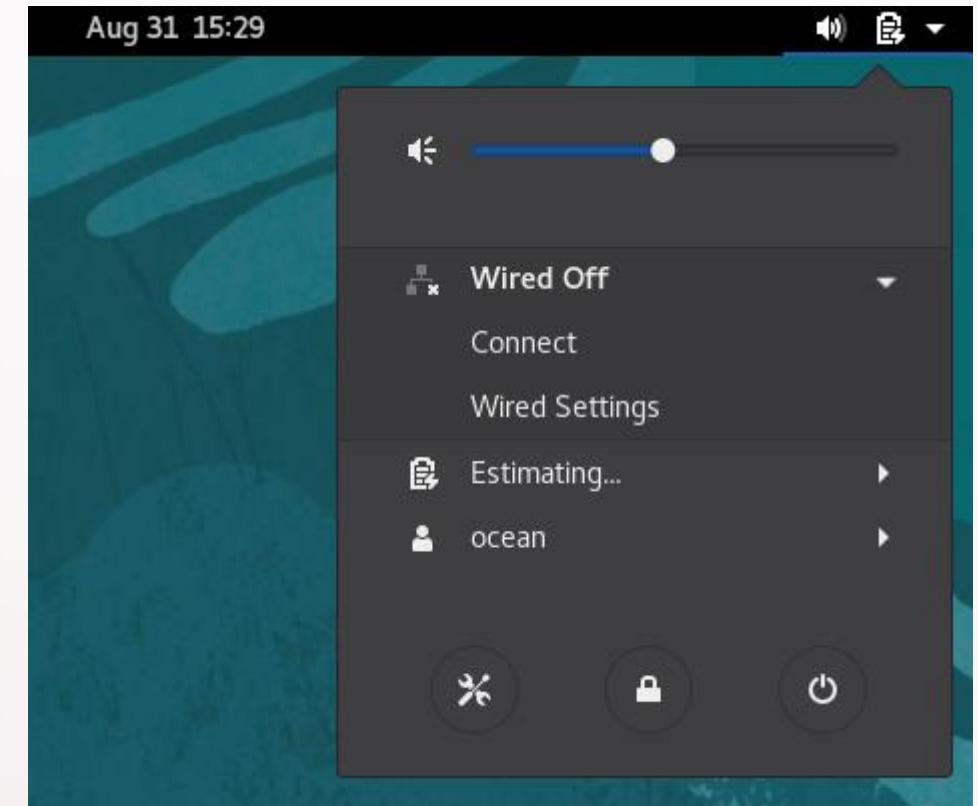
3.  
Start Virtual  
Machine nya  
seperti yang  
sudah diajarkan  
sebelumnya



## 4. Login ke akun Oracle yang sudah dibuat



5.  
Seperti biasa  
pastikan bahwa  
jaringan sudah  
terkoneksi

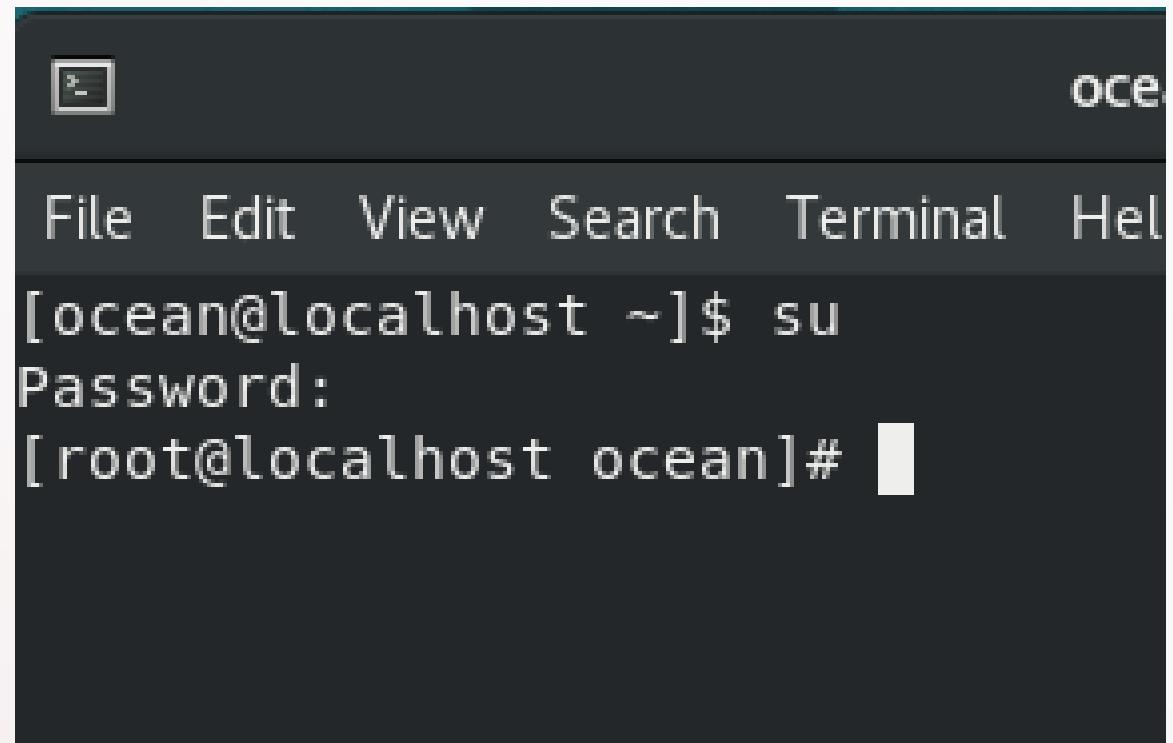


6.  
Klik Activities >  
buka Terminal



## 7. Masuk ke Super User\* dengan command **su**

\*Digunakan agar memiliki  
akses penuh untuk installasi



The screenshot shows a terminal window with a dark background and light-colored text. At the top, there's a menu bar with icons for File, Edit, View, Search, Terminal, Help, and others. Below the menu, the terminal prompt is '[ocean@localhost ~]\$ su'. The user is prompted for a password with 'Password:'. After entering the password, the terminal changes to show the root prompt '[root@localhost ocean]#', indicating successful superuser access.

# 8. Instalasi pre-install dependency & konfigurasi awal untuk Oracle 23ai

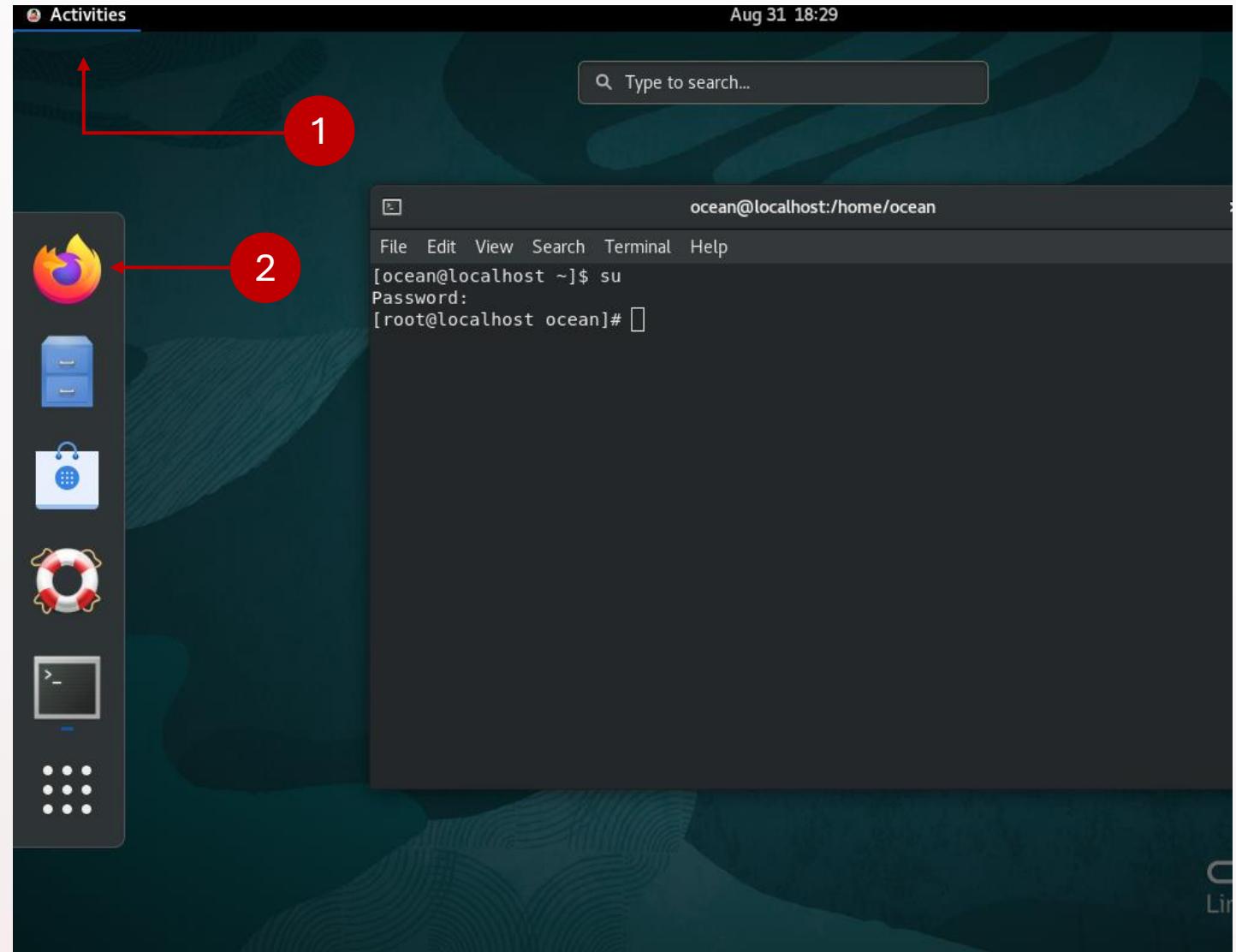
```
dnf -y install oracle-database-preinstall-23ai
```

```
[root@localhost ocean]# dnf -y install oracle-database-preinstall-23ai
Last metadata expiration check: 0:42:43 ago on Sun 31 Aug 2025 03:58:08 PM WIB.
Dependencies resolved.
=====
 Package           Arch   Version            Repository      Size
=====
Installing:
  oracle-database-preinstall-23ai          x86_64  1.0-4.el8        ol8_appstream   31 k
Installing dependencies:
  ksh               x86_64  20120801-267.0.1.el8    ol8_appstream   923 k
  lm_sensors-libs  x86_64  3.4.0-23.20180522git70f7e08.el8 ol8_baseos_latest  59 k
  sysstat          x86_64  11.7.3-13.0.2.el8_10    ol8_appstream   427 k
Transaction Summary
=====
Install 4 Packages
```

```
Installed:
  ksh-20120801-267.0.1.el8.x86_64
  lm_sensors-libs-3.4.0-23.20180522git70f7e08.el8.x86_64
  oracle-database-preinstall-23ai-1.0-4.el8.x86_64
  sysstat-11.7.3-13.0.2.el8_10.x86_64

Complete!
```

9.  
Biarkan saja  
Terminal nya  
tetap terbuka >  
Klik Activities >  
Buka Firefox



10.

Buka <https://www.oracle.com/database/free/get-started/>

The screenshot shows a Firefox browser window with the address bar displaying the URL <https://www.oracle.com/database/free/get-started/>. The main content area shows the "Get started topics" section, which includes links to Oracle Database Free Start, Oracle Database 23ai, and Connecting to Oracle. A sidebar on the left features the Oracle Cloud Infrastructure (OCI) logo. The right side of the screen displays a sidebar with links to Oracle Linux Training, Get Started with Oracle Cloud, and a note about Oracle Linux 8 (OL8) and Oracle Enterprise Linux (EL8) using the same RPMs, with EL8 requiring additional preinstall download and installation.

Activities Firefox Aug 31 17:40

Get Started with Oracle +

https://www.oracle.com/database/free/get-started/

Oracle Linux Home Oracle Linux Support Oracle Linux Blog Unbreakable Linux Net... Linux Technology Center Oracle Linux Downloads Oracle Linux Training >

OCI About Services Solutions Pricing Partners Resources Sign in to Oracle Cloud

**Get started topics**

- Oracle Database Free Release Quick Start
- Oracle Database 23ai Free Platforms**
- Connecting to Oracle Database Free

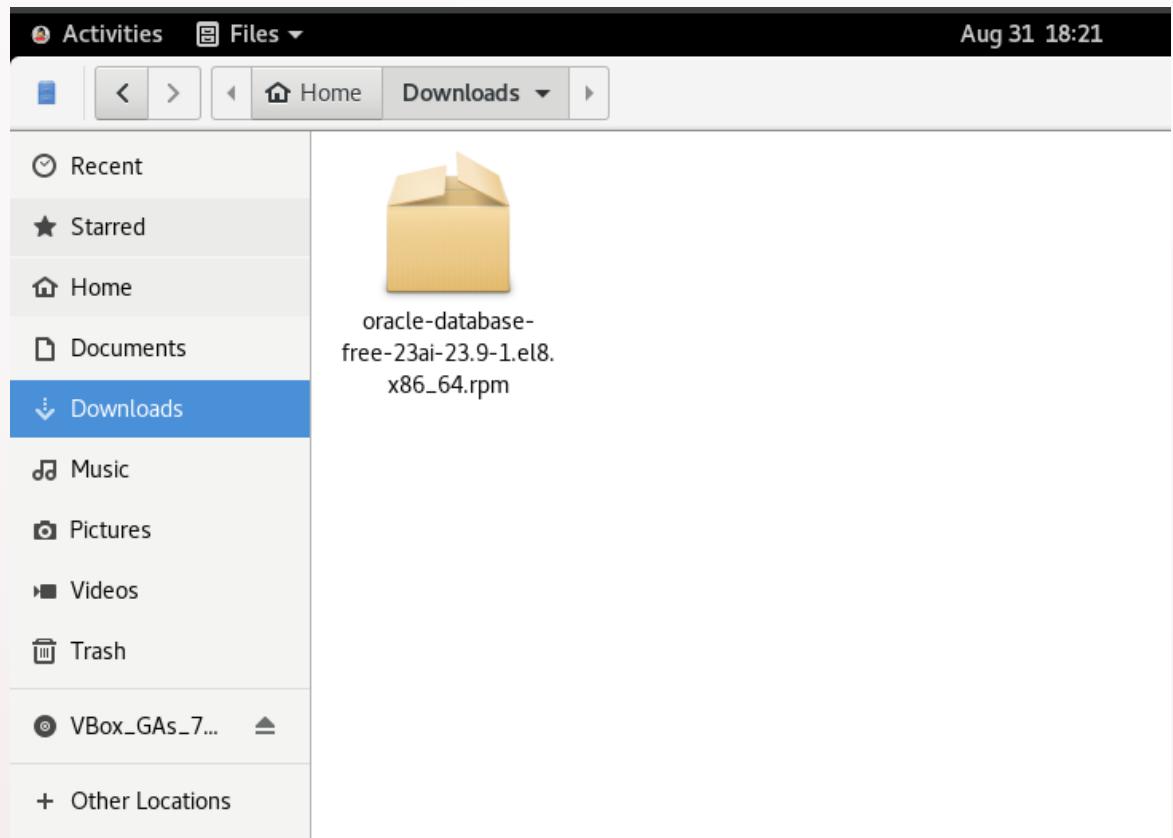
**Oracle Linux 8 (OL8)**

Filename	oracle-database-free-23ai-23.9-1.el8.x86_64.rpm
Download	<a href="#">Link to download</a>
SHA256	a6e64941ad940dd23e152e3d51213aeaea6d93b43688fb030175935e0efe03d
File size (in bytes)	1,412,957,372
Notes	Oracle Linux 8 (OL8) and Oracle Enterprise Linux (EL8) use the same RPMs. EL8 requires an additional preinstall download and installation (see below). <ul style="list-style-type: none"><li>• <a href="#">Oracle Database Free Installation Guide</a></li><li>• <a href="#">Oracle Database Client Installation Guide</a></li></ul>

: pilih yang Oracle Linux 8 (OL8) dan klik Link to download

11.  
Activities > Buka  
Files > Lalu  
pindah ke  
Downloads

\*Untuk memastikan apakah  
file berhasil terdownload  
atau tidak (jadi langkah ini  
**opsional**)



12.  
Change directory  
dengan command **cd**

```
[root@localhost ocean]# cd /home/ocean/Downloads  
[root@localhost Downloads]#
```

13.  
Ketik command  
instalasi Oracle  
Database 23ai dari  
paket RPM yang di  
download

```
dnf install -y oracle-database-free*
```

```
[root@localhost Downloads]# dnf install -y oracle-database-free*  
Last metadata expiration check: 4:15:31 ago on Sun 31 Aug 2025 03:58:08 PM WIB.  
Dependencies resolved.  
=====  
 Package           Arch      Version       Repository      Size  
=====  
 Installing:  
   oracle-database-free-23ai     x86_64    23.9-1       @commandline    1.3 G  
  
Transaction Summary  
=====  
Install 1 Package
```

# 14.

## Jalankan command tersebut untuk konfigurasi awal dan masukkan password

/etc/init.d/oracle-free-23ai configure

```
[root@localhost Downloads]# /etc/init.d/oracle-free-23ai configure
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:
Confirm the password:
Configuring Oracle Listener.
Listener configuration succeeded.
Configuring Oracle Database FREE.
Enter SYS user password:
*****
Enter SYSTEM user password:
*****
```

```
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
tails.

Connect to Oracle Database using one of the connect strings:
  Pluggable database: localhost.localdomain/FREEPDB1
  Multitenant container database: localhost.localdomain
[root@localhost Downloads]#
```

# 15.

## Tambahkan konfigurasi, lalu tekan I pada keyboard untuk insert

```
vi /etc/profile
```

```
# /etc/profile

# System wide environment and startup programs, for login setup
# Functions and aliases go in /etc/bashrc

# It's NOT a good idea to change this file unless you know what you
# are doing. It's much better to create a custom.sh shell script in
# /etc/profile.d/ to make custom changes to your environment, as this
# will prevent the need for merging in future updates.

pathmunge () {
    case ":${PATH}:" in
        *:"$1":*)
            ;;
        *)
            if [ "$2" = "after" ] ; then
                PATH=$PATH:$1
            else
                PATH=$1:$PATH
            fi
        esac
}
"/etc/profile" 85L, 2123C
```

# 16.

## Scroll ke paling bawah dan paste command ini

```
export ORACLE_SID=FREE
export ORACLE_PDB_SID=FREEPDB1
export ORACLE_ASK=NO
./opt/oracle/product/23ai/dbhomeFree/bin/oraenvi
```

```
unset i
unset -f pathmunge

if [ -n "${BASH_VERSION-}" ] ; then
    if [ -f /etc/bashrc ] ; then
        # Bash login shells run only /etc/profile
        # Bash non-login shells run only /etc/bashrc
        # Check for double sourcing is done in /etc/bashrc.
        . /etc/bashrc
    fi
fi

export ORACLE_SID=FREE
export ORACLE_PDB_SID=FREEPDB1
export ORACLE_ASK=NO
./opt/oracle/product/23ai/dbhomeFree/bin/oraenvi
-- INSERT --
```

17.  
Jika sudah di  
paste tekan esc  
pada keyboard,  
lalu ketik :wq

```
export ORACLE_SID=FREE
export ORACLE_PDB_SID=FREEPDB1
export ORACLE_ASK=NO
. /opt/oracle/product/23ai/dbhomeFree/bin/oraenvi

:wq
```

18.  
Masukkan  
command tersebut  
untuk mengaktifkan  
service database  
otomatis dan set  
password baru  
untuk user oracle

```
/usr/lib/systemd/systemd-sysv-install enable  
oracle-free-23ai
```

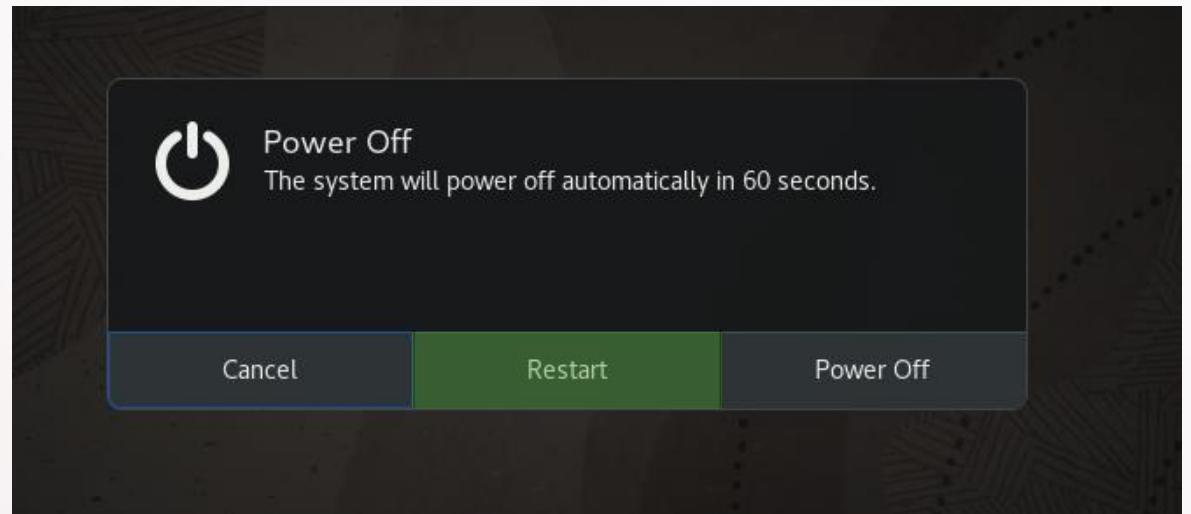
```
cd
```

```
passwd oracle
```

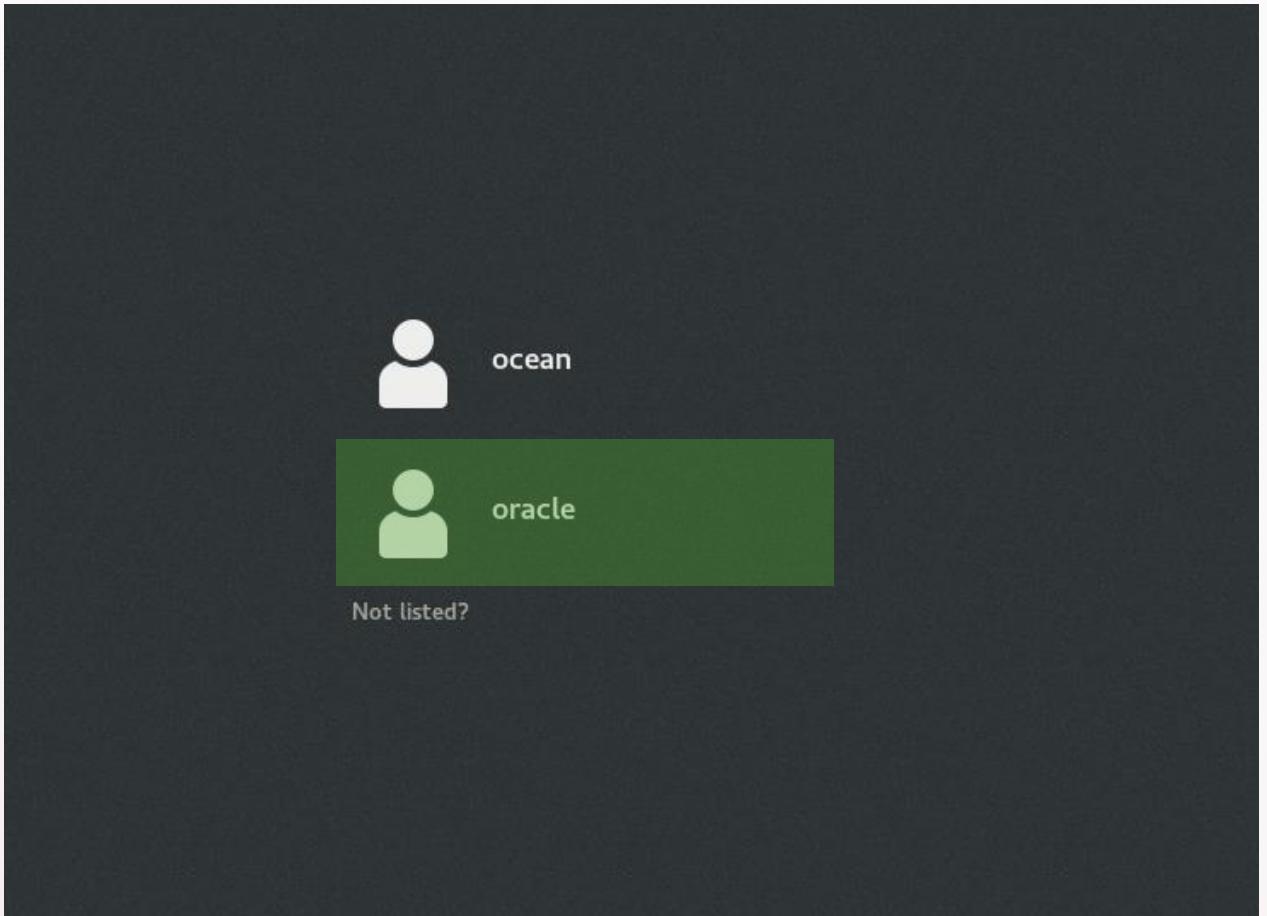
```
[root@localhost Downloads]# /usr/lib/systemd/systemd-sysv-install enable oracle-  
free-23ai  
[root@localhost Downloads]# cd  
[root@localhost ~]# passwd oracle  
Changing password for user oracle.  
New password:  
BAD PASSWORD: The password is shorter than 8 characters  
Retype new password:  
passwd: all authentication tokens updated successfully.  
[root@localhost ~]#
```

# Cara menjalankan Oracle 23ai (switch user ke oracle)

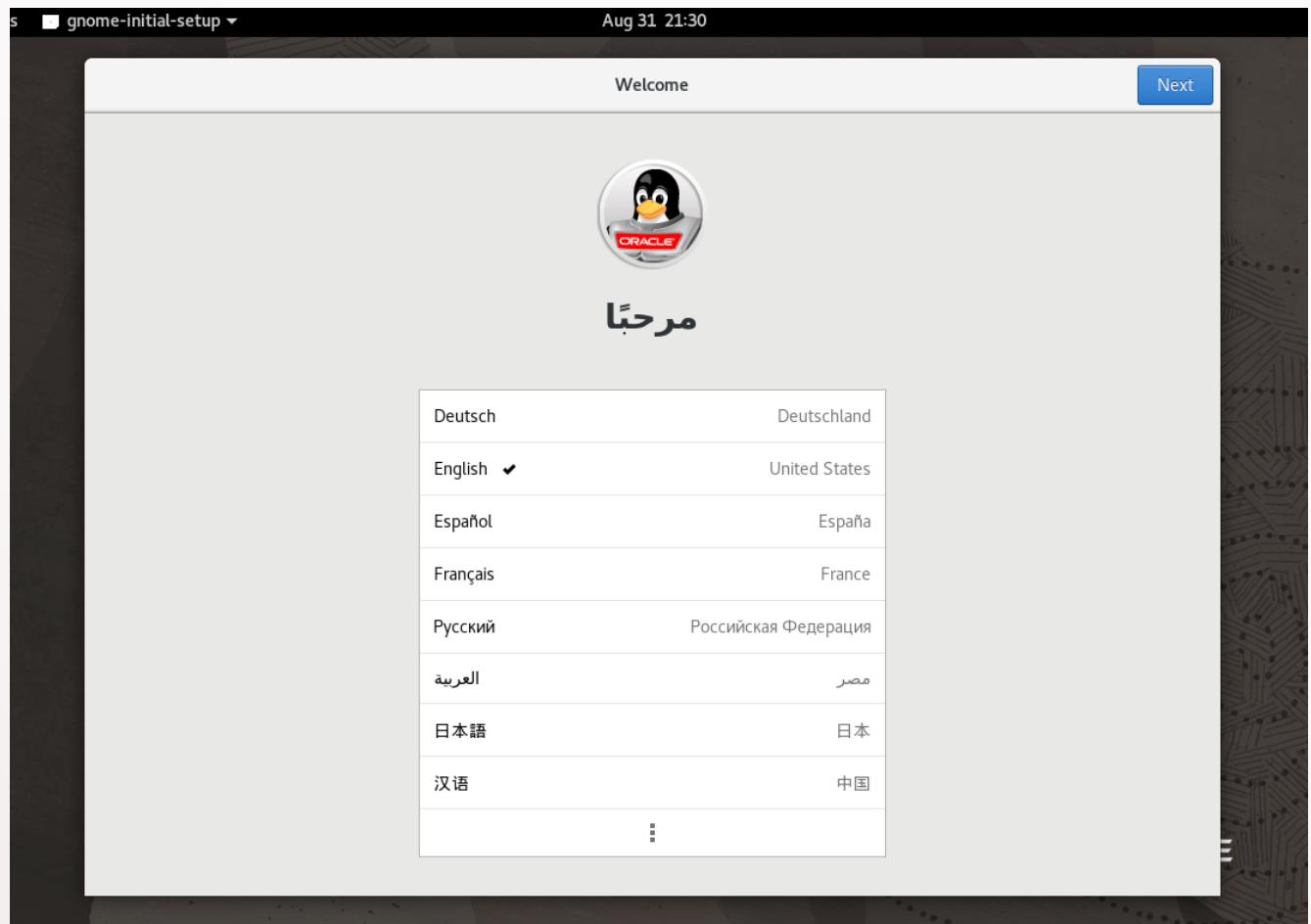
1.  
Close terminal >  
Restart virtual  
machine



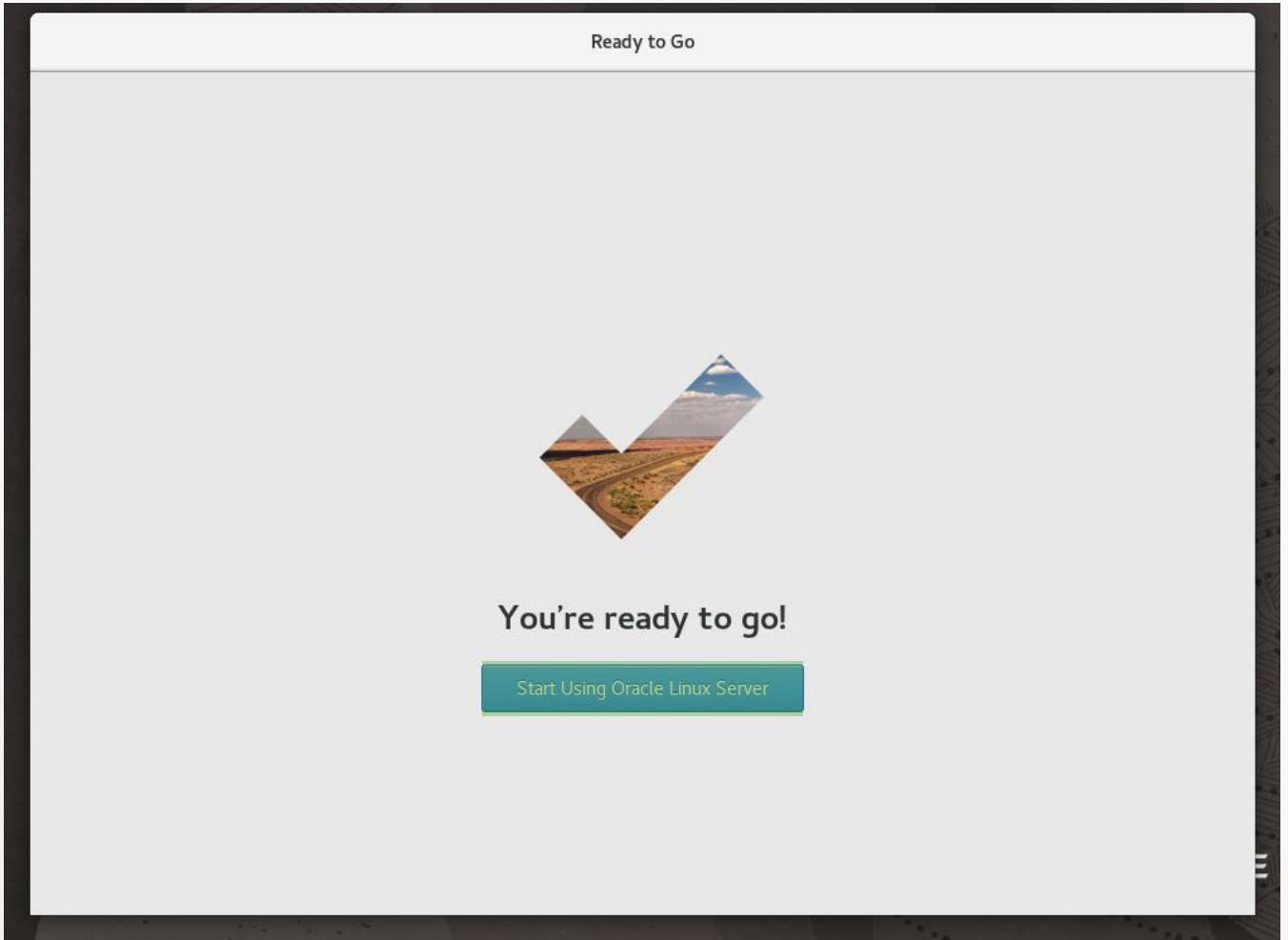
2.  
**Login ke user  
oracle lalu  
masukkan  
password yang  
sudah dibuat  
sebelumnya**



3.  
Akan muncul  
quick initial  
setup, cukup  
tekan next saja

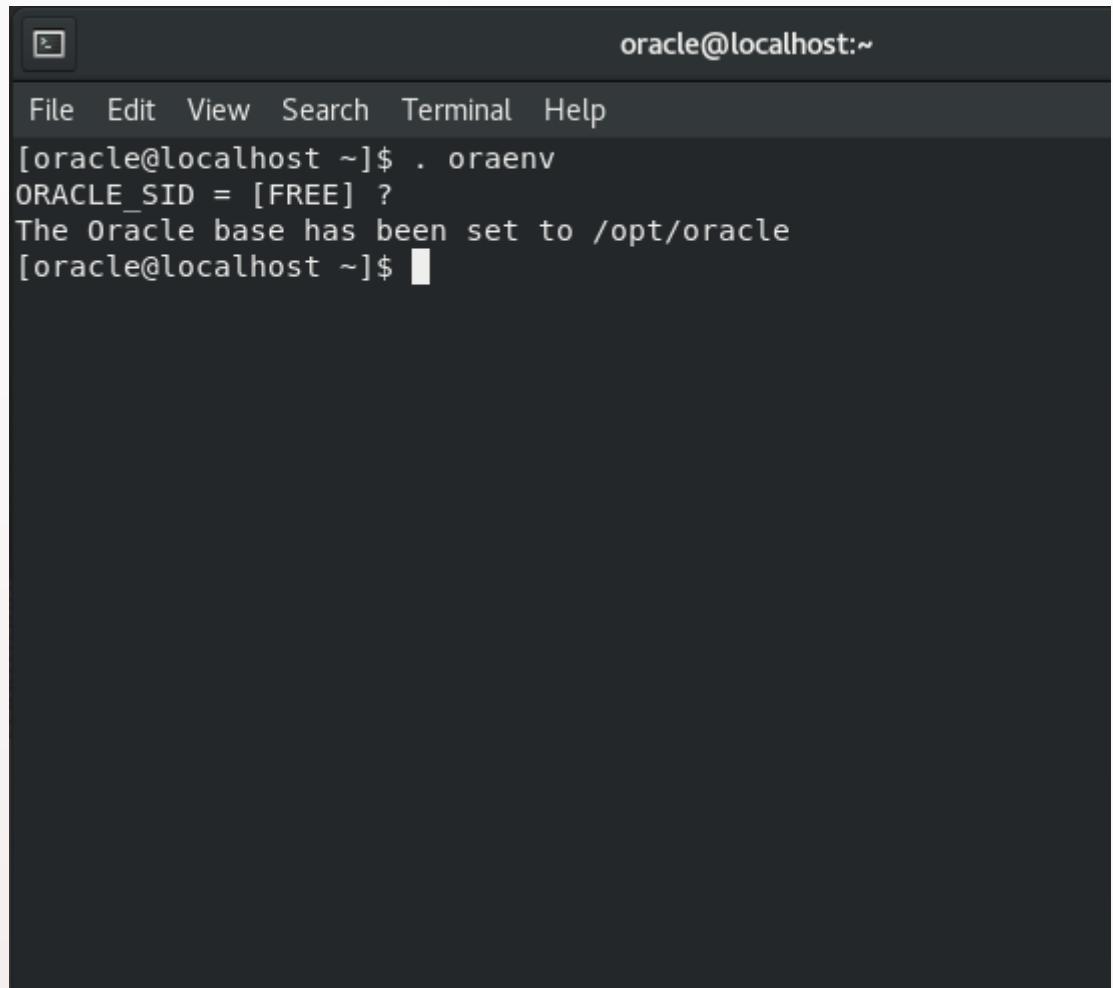


4.  
Klik button box  
**Start Using  
Oracle Linux  
Server**



5.

**Buka Terminal  
dan ketik  
. oraenv**



A screenshot of a terminal window titled "oracle@localhost:~". The window has a dark background and a light-colored menu bar at the top. The menu bar includes "File", "Edit", "View", "Search", "Terminal", and "Help". Below the menu bar, the terminal prompt is "[oracle@localhost ~]\$". The user then types ". oraenv" and presses Enter. The terminal displays the following message:  
ORACLE\_SID = [FREE] ?  
The Oracle base has been set to /opt/oracle  
[oracle@localhost ~]\$ █

6.  
Setelah berhasil di  
set environment  
oraclenya, ketik  
**sqlplus, sys as**  
**sysdba** sebagai  
username dan  
masukkan  
**password Anda**

sqlplus

sys as sysdba

```
SQL*Plus: Release 23.0.0.0.0 - Production on Sun Aug 31 22:19:21 2025
Version 23.9.0.25.07

Copyright (c) 1982, 2025, Oracle. All rights reserved.

Enter user-name: sys as sysdba
Enter password:

Connected to:
Oracle Database 23ai Free Release 23.0.0.0.0 - Develop, Learn, and Run for Free
Version 23.9.0.25.07

SQL>
```

7.

- **startup**

Digunakan untuk **menyalakan (start)** database Oracle.

- **show con\_name**

Menampilkan **nama container** yang sedang aktif (berguna pada arsitektur multitenant, CDB/PDB).

- **shutdown**

Digunakan untuk **mematikan (stop)** database Oracle.