

Install Oracle ASMLib v3 - OEL 8.x

Olá, nesse artigo iremos abordar as etapas para instalação e configuração fo ASMLib v3 no OEL 8x (Oracle Enterprise Linux 8x).

Links úteis

- [Installing and Configuring Oracle ASMLib v3](#)
- [Installing and Configuring Oracle ASMLIB Software](#)
- [Oracle ASMLib Downloads for Oracle Linux 8](#)

Todos os passos abaixo deverão ser realizados com o usuário **root** ou usuário equivalente com permissão de **sudo**.

1 - Download dos pacotes:

```
oracleasm-support-3.0.0-7.el8.x86_64.rpm  
oracleasm-lib-3.0.0-13.el8.x86_64.rpm
```

2 - Habilitar o IO_URING:

```
sysctl -w kernel.io_uring_disabled=0
```

```
dnf install chkconfig
```

3 - Instalação dos pacotes:

```
dnf localinstall /tmp/oracleasm-support-3.0.0-7.el8.x86_64.rpm
```

```
dnf localinstall /tmp/oracleasm-lib-3.0.0-13.el8.x86_64.rpm
```

4 - Configuração do ASMLIB:

```
oracleasm configure -i
```

```
[root@ORCL01 tmp]# oracleasm configure -i
Configuring the Oracle ASM library driver.

This will configure the on-boot properties of the Oracle ASM library
driver. The following questions will determine whether the driver is
loaded on boot and what permissions it will have. The current values
will be shown in brackets ('[]'). Hitting <ENTER> without typing an
answer will keep that current value. Ctrl-C will abort.

Default user to own the driver interface []: oracle
Default group to own the driver interface []: oinstall
Start Oracle ASM library driver on boot (y/n) [n]: y
Scan for Oracle ASM disks on boot (y/n) [y]: y
Maximum number of disks that may be used in ASM system [2048]:
Enable iofilter if kernel supports it (y/n) [y]: y
Writing Oracle ASM library driver configuration: done
[root@ORCL01 tmp]#
[root@ORCL01 tmp]#
```

5 - Inicializar o ASMLIB:

```
oracleasm init
```

```
[root@ORCL01 tmp]# oracleasm init
Mounting ASMLib driver filesystem: Not applicable with kernel 5.15.0
Setting up iofilter map for ASM disks: done
[root@ORCL01 tmp]#
```

6 - Verificando o status do ASMLIB:

```
oracleasm status
```

```
[root@ORCL01 tmp]# oracleasm status
Checking if the oracleasm kernel module is loaded: no (Not required with kernel 5.15.0)
Checking if /dev/oracleasm is mounted: no (Not required with kernel 5.15.0)
Checking which I/O Interface is in use: io_uring (KABI_V3)
Checking if io_uring is enabled: yes ←
Checking if ASM disks have the correct ownership and permissions: yes
Checking if ASM I/O filter is set up: yes
[root@ORCL01 tmp]#
```

- Valide se o **io_uring** está corretamente ativado.
 - **Checking if io_uring is enabled: yes**

7 - Habilite o início automático do serviço do **oracleasm**:

```
systemctl enable oracleasm
```

8 - Inicie o serviço do **oracleasm**:

```
systemctl start oracleasm
```

9 - Verifique o status do serviço do **oracleasm**:

```
systemctl status oracleasm
```

```
[root@ORCL01 tmp]#
[root@ORCL01 tmp]# systemctl enable oracleasm ←
Synchronizing state of oracleasm.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable oracleasm
[root@ORCL01 tmp]#
[root@ORCL01 tmp]# systemctl start oracleasm ←
[root@ORCL01 tmp]#
[root@ORCL01 tmp]# systemctl status oracleasm ←
● oracleasm.service - Load oracleasm Modules
   Loaded: loaded (/usr/lib/systemd/system/oracleasm.service; enabled; vendor preset: disabled)
   Active: active (exited) since Sun 2025-03-02 13:47:40 -03; 3s ago
     Process: 54632 ExecStart=/usr/sbin/oracleasm.init start_sysctl (code=exited, status=0/SUCCESS)
     Process: 54629 ExecStartPre=/usr/bin/udevadm settle -t 120 (code=exited, status=0/SUCCESS)
    Main PID: 54632 (code=exited, status=0/SUCCESS)

Mar 02 13:47:40 ORCL01 systemd[1]: Starting Load oracleasm Modules...
Mar 02 13:47:40 ORCL01 oracleasm.init[54632]: Initializing the Oracle ASMLib driver: OK
Mar 02 13:47:40 ORCL01 oracleasm.init[54632]: Scanning the system for Oracle ASMLib disks: OK
Mar 02 13:47:40 ORCL01 systemd[1]: Started Load oracleasm Modules.
[root@ORCL01 tmp]#
[root@ORCL01 tmp]#
[root@ORCL01 tmp]#
```

- Até a próxima.

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— Autor: [Lucas Lopes](#) 02/03/2025 14H:44

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