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Oracle Linux and Virtualization Essentials

Activity Guide: Oracle Linux 8

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1. Introduction

This document helps you configure Oracle Linux 8 machine (or VM) for installing any Oracle Software.

1.1 Configure Hostname

- Check the hostname using “hostname” commands and if you need to change then use:

```
hostnamectl set-hostname oracleserver1.finelearn.com
```

- Configure /etc/hosts

```
192.168.56.150 oracleserver1.finelearn.com oracleserver1
```

1.2 Install Oracle Preinstall RPM

The Preinstall Package of Oracle not only helps you to configure your Linux machine for Oracle Database but also for any Oracle Software such as Oracle Fusion Middleware, Enterprise Manager etc.

Oracle Linux 8 is certified only with Oracle Database 19c (As on May 2020)

You need to use the command as below:

```
yum install <package>
```

To install Oracle Database 19c:

```
oracle-database-preinstall-19c-1.0-1.el8.x86_64.rpm
```

Always check the latest OS packages available in Yum Site:

https://yum.oracle.com/repo/OracleLinux/OL8/baseos/latest/x86_64/index.html

1.3 Create Directories and Change Ownership, Permissions

```
chown -R oracle:oinstall /u01
```

```
su - oracle
```

```
mkdir -p /u01/app/oracle
```

1.4 Verify Kernel Parameters and User Limits

Preinstall RPMs configure all the required prerequisites for the Oracle user such as Kernel Parameters related to Shared Memory, Semaphore settings and User Limits.

Verify /etc/sysctl.conf and /etc/security/limits.d/<*>.conf files