# Installation

## Oracle 7.6

1. Create VM
   1. 2 GB RAM
   2. Disk Size – 60 GB
   3. Settings
      1. Display – 128 MB Video Memory, Enable 3D Acceleration
      2. Network – NAT
2. Oracle Installation
   1. Software Selection
      1. Server with GUI
         1. Compatibility Libraries
         2. Development Tools
      2. Network and Hostname
         1. Ethernet – ON
         2. Hostname – test.com
      3. Create User – Select Administrator option
3. Post Installation on Oracle VM
   1. Disable SELINUX
      1. Open terminal as root (su root)
      2. Edit config file (vi /etc/selinux/config)
      3. Go to SELINUX=enforcing and edit it to SELINUX=disabled
      4. Reboot
   2. Install Guest Additions CD Image
4. Post Installation on VirtualBox
   1. Go to Settings
      1. Shared Folders – Add Auto-Mount option to the folder selection
      2. Network
         1. Advanced
            1. Port Forwarding

Name – Oracle

Protocol – TCP

Host IP – 127.0.0.1

Host Port – 22

Guest IP – 10.0.2.15

Guest Port – 22

* 1. Open Oracle VM
     1. Access terminal as root and issue the command:
        1. usermod -a -G vboxsf <username>
        2. reboot

## Oracle Database 18c

1. Prerequisites
   1. Access terminal as root
   2. Edit host file and enter relevant details -> vi /etc/hosts
   3. Reboot
   4. Install oracle prerequisites
      1. yum install -y oracle-database-preinstall-18c
   5. Create directories for oracle
      1. mkdir -p /u01/app/oracle/product/18/db\_1
      2. chown -R oracle:oinstall /u01
      3. chmod -R 775 /u01
   6. Disable firewall
      1. systemctl stop firewalld
      2. systemctl disable firewalld
   7. passwd oracle
2. Unzip DB.zip file to $ORACLE\_HOME
   1. Execute ./runInstaller
      1. System Class – Server
      2. Install Type – Advanced
      3. Configuration Options – Sample Schemas – Install schemas
      4. Schema Passwords – Use same password for all accounts
      5. For Oracle Trace File Analyzer – Enter “no”
3. Check Oracle Installation
   1. sqlplus / as sysdba
   2. startup;
4. Add orclpdb in $ORACLE\_HOME/network/admin/tnsnames.ora file
5. Go to $ORACLE\_HOME/OPatch
   1. Execute
      1. ./datapatch -verbose
6. In terminal
   1. sqlplus / as sysdba
   2. show con\_name;
   3. show pdbs;
   4. alter pluggable database <pdb\_name> open;
7. Add Scripts to BASH\_PROFILE

export TMP=/tmp

export TMPDIR=$TMP

export ORACLE\_HOSTNAME=test.com

export ORACLE\_UNQNAME=orcl

export ORACLE\_BASE=/u01/app/oracle

export ORACLE\_HOME=$ORACLE\_BASE/product/18/db\_1

export ORACLE\_SID=orcl

export PATH=/usr/sbin:$PATH

export PATH=$ORACLE\_HOME/bin:$PATH

export LD\_LIBRARY\_PATH=$ORACLE\_HOME/lib:/lib:/usr/lib

export CLASSPATH=$ORACLE\_HOME/jlib:$ORACLE\_HOME/rdbms/jlib

## Fusion Middleware Infrastructure

1. Install Oracle JDK
2. Execute the command

java -jar fmw\*.jar