ORACLE ENTERPRISE MANAGER 13.3.4

INSTALL DATABASE SOFTWARE

**export TMP=/tmp**

**export TMPDIR=$TMP**

**export ORACLE\_HOSTNAME=OEMNODE**

**export ORACLE\_UNQNAME=OEMDB**

**export ORACLE\_BASE=/u01/app/oracle**

**export ORACLE\_HOME=$ORACLE\_BASE/product/19.0.0/dbhome\_1**

**export ORA\_INVENTORY=/u01/app/oraInventory**

**export ORACLE\_SID=OEMDB**

**export PDB\_NAME=OEMPDB**

**export PATH=/usr/sbin:/usr/local/bin:$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**

**./runInstaller -ignorePrereq -waitforcompletion -silent \**

**oracle.install.responseFileVersion=response/oracle/install/rspfmt\_dbinstall\_response\_schema\_v12.1.0 \**

**oracle.install.option=INSTALL\_DB\_SWONLY \**

**ORACLE\_HOSTNAME=OEMNODE.TREVDOM.LAB \**

**UNIX\_GROUP\_NAME=oinstall \**

**INVENTORY\_LOCATION=/u01/app/oraInventory \**

**SELECTED\_LANGUAGES=en \**

**ORACLE\_HOME="$ORACLE\_HOME" \**

**ORACLE\_BASE="$ORACLE\_BASE" \**

**oracle.install.db.InstallEdition=EE \**

**oracle.install.db.DBA\_GROUP=oinstall \**

**oracle.install.db.OPER\_GROUP=oinstall \**

**oracle.install.db.BACKUPDBA\_GROUP=oinstall \**

**oracle.install.db.DGDBA\_GROUP=oinstall \**

**oracle.install.db.KMDBA\_GROUP=oinstall \**

**INSTALL DATABASE 12.1**

**lsnrctl start**

**mkdir -p /u01/oradata**

**dbca -silent -createDatabase \**

**-templateName General\_Purpose.dbc \**

**-gdbname EMCDB -sid EMCDB -responseFile NO\_VALUE \**

**-characterSet AL32UTF8 \**

**-sysPassword Bobos\_123 \**

**-systemPassword Bobos\_123 \**

**-createAsContainerDatabase true \**

**-numberOfPDBs 1 \**

**-pdbName EMREP \**

**-pdbAdminPassword Bobos\_123 \**

**-databaseType MULTIPURPOSE \**

**-automaticMemoryManagement false \**

**-totalMemory 2000 \**

**-storageType FS \**

**-datafileDestination /u01/oradata \**

**-redoLogFileSize 50 \**

**-emConfiguration NONE \**

**-ignorePreReqs**

**Sqlplus / as sysdba <<EOF**

**alter system set db\_create\_file\_dest='/u01/oradata';**

**alter pluggable database EMREP save state;**

**-- Recommended minimum settings.**

**alter system set "\_allow\_insert\_with\_update\_check"=true scope=both;**

**alter system set session\_cached\_cursors=200 scope=spfile;**

**alter system set sga\_target=1024M scope=both;**

**alter system set pga\_aggregate\_target=450M scope=both;**

**-- For 12.1.0.2 set the following.**

**alter system set optimizer\_adaptive\_features=false scope=both;**

**exit;**

**EOF**

**# Set restart flag in /etc/oratab.**

**cp /etc/oratab /tmp**

**sed -i -e "s|${ORACLE\_SID}:${ORACLE\_HOME}:N|${ORACLE\_SID}:${ORACLE\_HOME}:Y|g" /tmp/oratab**

**cp -f /tmp/oratab /etc/oratab**

INSTALL ORACLE ENTERPRISE MANAGER

**mkdir -p /u01/app/oracle/middleware**

**mkdir -p /u01/app/oracle/agent**

**/em13400\_linux64.bin -J-Djava.io.tmpdir=/u01/tmp --for GUI**

**This information is also available at:**

**/u01/app/oracle/middleware/install/setupinfo.txt**

**See the following for information pertaining to your Enterprise Manager installation:**

**Use the following URL to access:**

**1. Enterprise Manager Cloud Control URL: https://oemnode.trevdom.lab:7803/em**

**2. Admin Server URL: https://oemnode.trevdom.lab:7102/console**

**3. BI Publisher URL: https://oemnode.trevdom.lab:9803/xmlpserver/servlet/home**

**The following details need to be provided while installing an additional OMS:**

**1. Admin Server Host Name: oemnode.trevdom.lab**

**2. Admin Server Port: 7102**

**You can find the details on ports used by this deployment at : /u01/app/oracle/middleware/install/portlist.ini**

**NOTE:**

**An encryption key has been generated to encrypt sensitive data in the Management Repository. If this key is lost, all encrypted data in the Repository becomes unusable.**

**A backup of the OMS configuration is available in /u01/app/oracle/gc\_inst/em/EMGC\_OMS1/sysman/backup on host oemnode.trevdom.lab. See Cloud Control Administrators Guide for details on how to back up and recover an OMS.**

**NOTE: This backup is valid only for the initial OMS configuration. For example, it will not reflect plug-ins installed later, topology changes like the addition of a load balancer, or changes to other properties made using emctl or emcli. Backups should be created on a regular basis to ensure they capture the current OMS configuration. Use the following command to backup the OMS configuration:**

**/u01/app/oracle/middleware/bin/emctl exportconfig oms -dir <backup dir>**

GET AGENT IMAGE

**[oemuser@oemnode ~]$ cd /u01/app/oracle/middleware/bin**

**[oemuser@oemnode bin]$ ./emcli login -username=sysman**

**Enter password**

**Login successful**

**[oemuser@oemnode bin]$ ./emcli sync**

**Synchronized successfully**

**[oemuser@oemnode bin]$ ./emcli get\_supported\_platforms**

**-----------------------------------------------**

**Version = 13.4.0.0.0**

**Platform = Linux x86-64**

**-----------------------------------------------**

**Platforms list displayed successfully.**

**[oemuser@oemnode bin]$ ./emcli get\_agentimage -destination=/tmp/agentinstaller -platform=”Linux x86-64″**

**Syntax Error: Too many positional arguments**

**-- "x86-64″"**

**[oemuser@oemnode bin]$ ./emcli get\_agentimage -destination=/tmp/agentinstaller -platform="Linux x86-64"**

**=== Partition Detail ===**

**Space free : 13 GB**

**Space required : 1 GB**

**Check the logs at /u01/app/oracle/gc\_inst/em/EMGC\_OMS1/sysman/emcli/setup/.emcli/get\_agentimage\_2020-02-18\_09-35-50-AM.log**

**Downloading /tmp/agentinstaller/13.4.0.0.0\_AgentCore\_226.zip**

**File saved as /tmp/agentinstaller/13.4.0.0.0\_AgentCore\_226.zip**

**Downloading /tmp/agentinstaller/13.4.0.0.0\_Plugins\_226.zip**

**File saved as /tmp/agentinstaller/13.4.0.0.0\_Plugins\_226.zip**

**Downloading /tmp/agentinstaller/unzip**

**File saved as /tmp/agentinstaller/unzip**

**Executing command: /tmp/agentinstaller/unzip /tmp/agentinstaller/13.4.0.0.0\_Plugins\_226.zip -d /tmp/agentinstaller**

**Exit status is:0**

**Agent Image Download completed successfully.**

COPY IMAGE TO HOSTS

**scp /tmp/agentinstaller/13.4.0.0.0\_AgentCore\_226.zip exa1node1:/tmp**

INSTALL AGENTS

**./agentDeploy.sh AGENT\_BASE\_DIR=/u01/app/oracle/product/agent \**

**-force \**

**-ignorePrereqs \**

**-invPtrLoc /etc/oraInst.loc \**

**AGENT\_PORT=3872 \**

**EM\_UPLOAD\_PORT=4903 \**

**OMS\_HOST=oemnode \**

**ORACLE\_HOSTNAME=exa1node1 \**

**AGENT\_INSTANCE\_HOME=/u01/app/oracle/product/agent/agent\_inst \**

**AGENT\_REGISTRATION\_PASSWORD=Bobos\_123 \**

**SCRATCHPATH=/tmp**

**/u01/app/oracle/product/agent/agent\_13.4.0.0.0/bin/emctl status agent**

Oracle Enterprise Manager Cloud Control 13c Release 4

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Agent Version : 13.4.0.0.0

OMS Version : 13.4.0.0.0

Protocol Version : 12.1.0.1.0

Agent Home : /u01/app/oracle/product/agent/agent\_inst

Agent Log Directory : /u01/app/oracle/product/agent/agent\_inst/sysman/log

Agent Binaries : /u01/app/oracle/product/agent/agent\_13.4.0.0.0

Core JAR Location : /u01/app/oracle/product/agent/agent\_13.4.0.0.0/jlib

Agent Process ID : 27929

Parent Process ID : 27768

Agent URL : https://exa1node1:3872/emd/main/

Local Agent URL in NAT : https://exa1node1:3872/emd/main/

Repository URL : https://oemnode.trevdom.lab:4903/empbs/upload

Started at : 2020-02-18 13:30:40

Started by user : oemuser

Operating System : Linux version 4.14.35-1902.10.7.el7uek.x86\_64 (amd64)

Number of Targets : 4

Last Reload : (none)

Last successful upload : 2020-02-18 13:46:56

Last attempted upload : 2020-02-18 13:46:56

Total Megabytes of XML files uploaded so far : 0.46

Number of XML files pending upload : 0

Size of XML files pending upload(MB) : 0

Available disk space on upload filesystem : 59.70%

Collection Status : Collections enabled

Heartbeat Status : Ok

Last attempted heartbeat to OMS : 2020-02-18 13:46:55

Last successful heartbeat to OMS : 2020-02-18 13:46:55

Next scheduled heartbeat to OMS : 2020-02-18 13:47:55

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Agent is Running and Ready

[oemuser@exa1node1 agentcore]$

CONFIGURE STARTUP SCRIPTS

cat /var/scripts/startoemenv.sh

*export ORACLE\_HOME=/u01/app/oracle/product/19.0.0/dbhome\_2*

*export OMS\_HOME=/u01/app/oracle/middleware*

*export AGENT\_HOME=/u01/app/oracle/agent/agent\_inst*

*su - oracle -c "$ORACLE\_HOME/bin/dbstart $ORACLE\_HOME"*

*su - oemuser -c "$OMS\_HOME/bin/emctl start oms"*

*su - oemuser -c "$AGENT\_HOME/bin/emctl start agent"*

cat /etc/systemd/system/oem13c.service

**[Unit]**

**Description=Start Enterprise manager and agent**

**After=network.target**

**[Service]**

**Type=simple**

**User=root**

**ExecStart= /bin/sh /var/scripts/startoemenv.sh**

**TimeoutStartSec=0**

**Restart=on-abort**

**[Install]**

**WantedBy=default.target**

**chmod 775 /var/scripts/startoemenv.sh**

**chmod 775 /etc/systemd/system/oem13c.service**

**systemctl daemon-reload**

**systemctl enable oem13c.service**

**systemctl start oem13c.service**

HOW TO REMOVE AGENT

ONE NODE

**/u01/app/oracle/product/agent/agent\_13.4.0.0.0/perl/bin/perl /u01/app/oracle/product/agent/agent\_13.4.0.0.0/sysman/install/AgentDeinstall.pl -agentHome /u01/app/oracle/product/agent/agent\_13.4.0.0.0**

ON OMS

**/u01/app/oracle/middleware/bin/emcli delete\_target -name="exa1node1:3872" -type="oracle\_emd" -delete\_monitored\_targets**