Oracle Agent installation Steps

Purpose: - Oracle agent installation for OEM hosted on ExaCC

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OMS Server :-

usdfw21db83vcn1.mrshmc.com

usdfw21db83vcn2.mrshmc.com

ato_oem_01.mrshmc.com

USASH22DB06VCN1.mrshmc.com

USASH22DB06VCN2.mrshmc.com

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Activity Steps

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(1). **Login on target server and create required directories…**

mkdir -p /opt/oracle/product/oem_agent
mkdir -p /opt/oracle/product/oem_agent/agent_inst
chmod -R 775 /opt/oracle/product/oem_agent
chmod -R 775 /opt/oracle/product/oem_agent/agent_inst

(2). **Copy agent s/w from OMS server (usdfw21db83vcn1) to target server using sftp**

Login on: - usdfw21db83vcn1
S/w file name: - 13.5.0.0.0_AgentCore_226.zip
S/w located at: - /var/oracle/export/Agent_sw

```
$ ls -ltr
total 769704
-rw-r--r-- 1 oracle dba 788174095 Sep 17 01:34 13.5.0.0.0_AgentCore_226.zip
$ pwd
/var/oracle/export/Agent_sw
$ hostname
usdfw21db83vcn1
```

```
oracle@usdfw21db83vcn1:NOSID>
oracle@usdfw21db83vcn1:NOSID>cd /var/oracle/export/Agent_sw
oracle@usdfw21db83vcn1:NOSID>ls -ltr
total 769704
-rw-r--r-- 1 oracle dba 788174095 Sep 17 01:34 13.5.0.0.0_AgentCore_226.zip
oracle@usdfw21db83vcn1:NOSID>
oracle@usdfw21db83vcn1:NOSID>pwd
/var/oracle/export/Agent_sw
oracle@usdfw21db83vcn1:NOSID>
oracle@usdfw21db83vcn1:NOSID>sftp u1258146@ausyd26db02vcn1
```

```
sftp>
sftp> cd /tmp
sftp> put 13.5.0.0.0_AgentCore_226.zip
Uploading 13.5.0.0.0_AgentCore_226.zip to /tmp/13.5.0.0.0_AgentCore_226.zip
13.5.0.0.0_AgentCore_226.zip
sftp> exit
oracle@usdfw21db83vcn1:NOSID>
```

(3). **Unzip agent on target server**

```
[oracle@ausyd26db02vcn1 /tmp/oem_agent>] ls -ltr
total 769704
-rw-r--r-- 1 oracle oinstall 788174095 Sep 20 22:09 13.5.0.0.0_AgentCore_226.zip
[oracle@ausyd26db02vcn1 /tmp/oem_agent>]
[oracle@ausyd26db02vcn1 /tmp/oem_agent>]
[oracle@ausyd26db02vcn1 /tmp/oem_agent>] unzip 13.5.0.0.0_AgentCore_226.zip
Archive:  13.5.0.0.0_AgentCore_226.zip
  inflating: agentcore.bin
  inflating: agent.rsp
  inflating: agentDeploy.sh
  inflating: agentimage.properties
  inflating: unzip
  inflating: zip
   creating: plugins/
  inflating: plugins/oracle.sysman.emas.discovery.plugin-13.5.1.0.0.farb
  inflating: plugins/oracle.sysman.si.discovery.plugin-13.5.1.0.0.farb
  inflating: plugins/oracle.sysman.db.discovery.plugin-13.5.1.0.0.farb
  inflating: plugins/oracle.sysman.xa.discovery.plugin-13.5.1.0.0.farb
  inflating: plugins/oracle.sysman.oh.discovery.plugin-13.5.0.0.0.farb
  inflating: plugins/oracle.sysman.oh.agent.plugin-13.5.0.0.0.farb
  inflating: plugins.txt
   creating: oneoffs/
  inflating: oneoffs/agentDeploy.sh
  inflating: oneoffs/applypatchesonapplicablehome.pl
  inflating: oneoffs/opatch_common.pl
[oracle@ausyd26db02vcn1 /tmp/oem_agent>]
```

(4). **Stop existing Agent**

[oracle@usdfw21db67vcn1 product]$ /opt/oracle/product/middleware/agent_13.4.0.0.0/bin/

Oracle Enterprise Manager Cloud Control 13c Release 4 **emctl stop agent**
Copyright (c) 1996, 2020 Oracle Corporation. All rights reserved.
Stopping agent ... stopped.

(5). **Install/Deploy oracle agent on target server**

./agentDeploy.sh AGENT_BASE_DIR=/opt/oracle/product/oem_agent -force -ignorePrereqs -invPtrLoc /etc/oraInst.loc AGENT_PORT=3872 EM_UPLOAD_PORT=4903 OMS_HOST=ato_oem_01.mrshmc.com **ORACLE_HOSTNAME=usdfw21db67vcn1.mrshmc.com** AGENT_INSTANCE_HOME=/opt/oracle/product/oem_agent/agent_inst AGENT_REGISTRATION_PASSWORD=YourDBAatCanada22 SCRATCHPATH=/tmp

Note: - Change ORACLE_HOSTNAME value and enter your respective target server name

*Logs:-

The status is 0

Validated the oms host and port :- ato_oem_01.mrshmc.com----4903

Getting Inet Addresses for host usdfw21db67vcn1.mrshmc.com

** Agent Port Check completed successfully.**

Validated the agent port :- ----3872

shared agent value is :false

chain install is :false

Agent Configuration completed successfully

The following configuration scripts need to be executed as the "root" user. Root script to run :
/opt/oracle/product/oem_agent/agent_13.5.0.0.0/root.sh

/opt/oracle/product/oem_agent/agent_13.5.0.0.0/cfgtoollogs/agentDeploy/agentDeploy_2022-09-14_08-11-42-AM.log

Waiting for agent targets to get promoted...

Successfully Promoted agent and its related targets to Management Agent

*/

How to run root.sh

For non Exacc server use root.sh sudo privilege (to check sudo –l)

Once agent s/w deployment done successfully, next step is to add target

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Add target in OEM

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OEM URL - https://ato_oem_01.mrshmc.com:7803/em/faces/core-templ-library

DBSNMP Password: - M0n9to4_m6_3xaCC_2022

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Steps

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(1). **Login on target server and reset DBSNMP password on each database. Password is given above**.

(2). **Start adding Target as below**

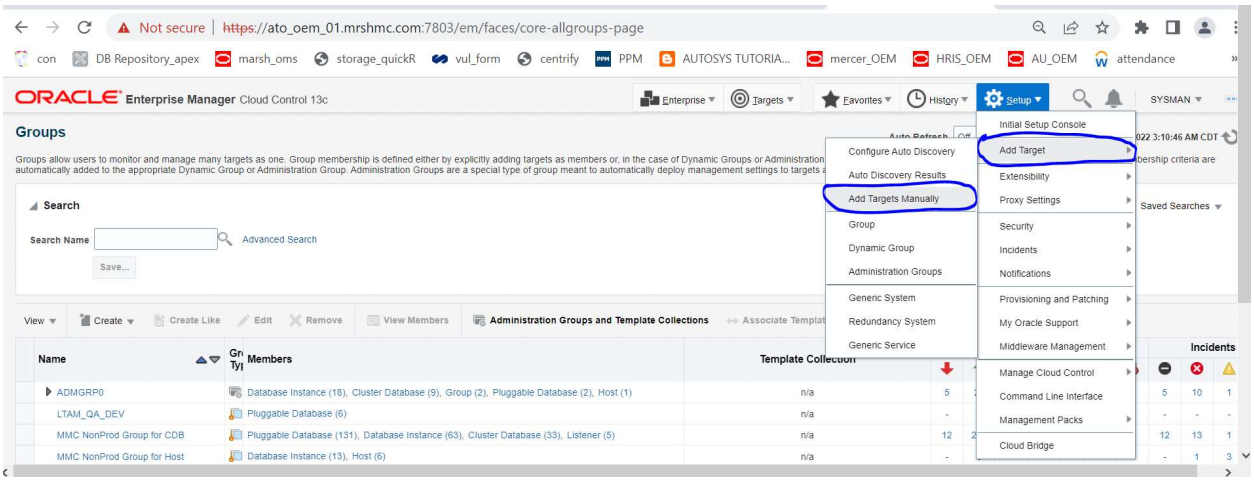
- Discover Cluster /HAS
- Add Database/ASM/Listener

(2.1) Discover Cluster/HAS :-

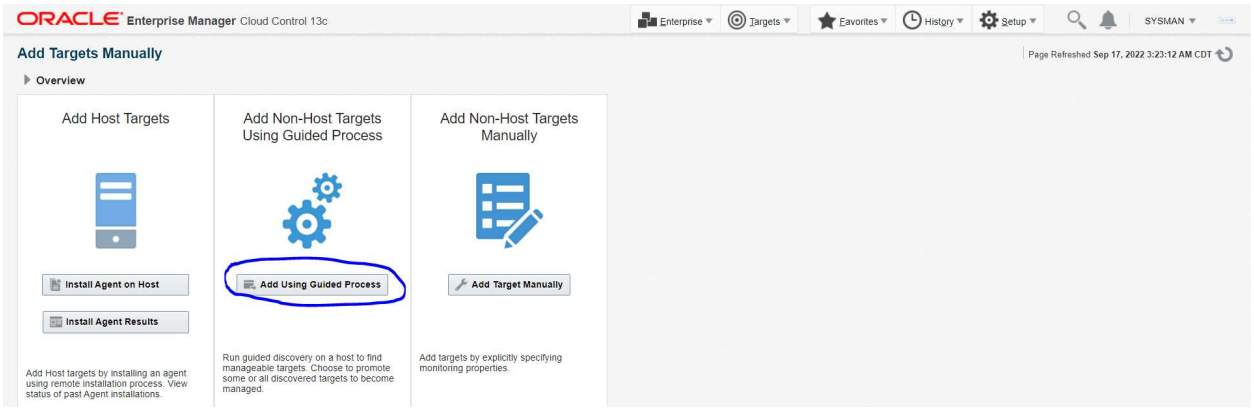
Please login to OEM and follow as per snapshot

Click on Setup → Add Target → Add Targets Manually

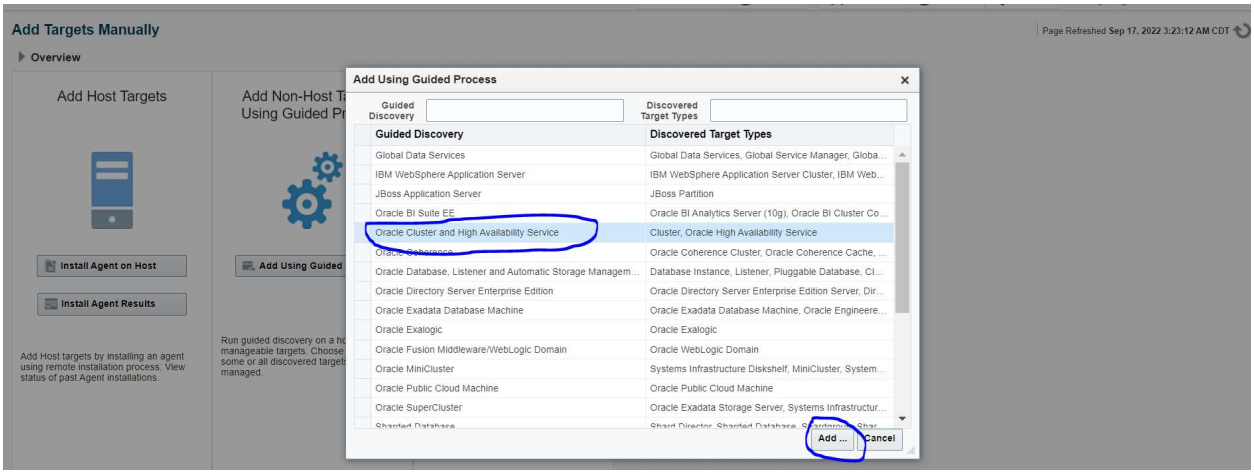
Snapshot is given below…



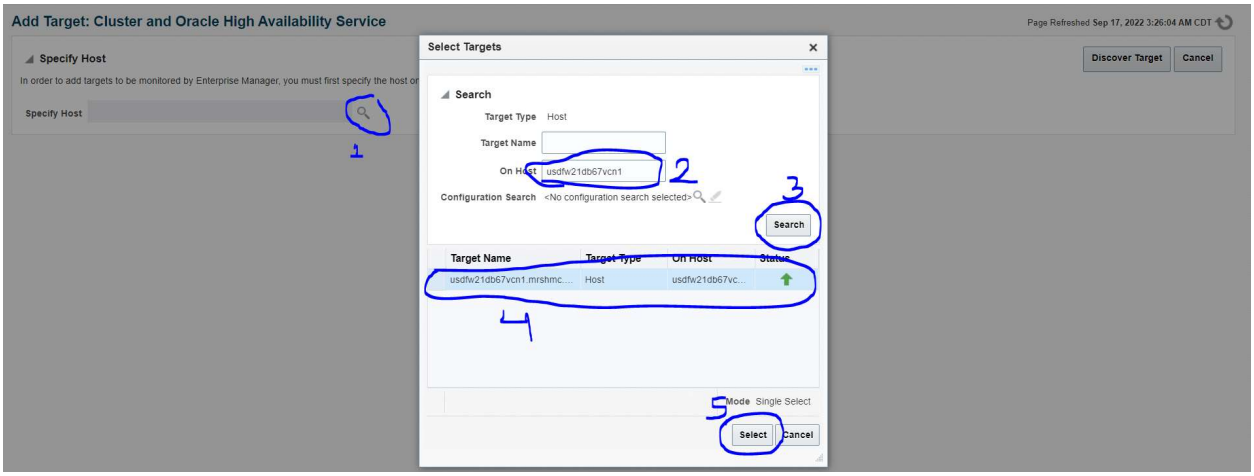
Select **"Add Using Guided Process"**



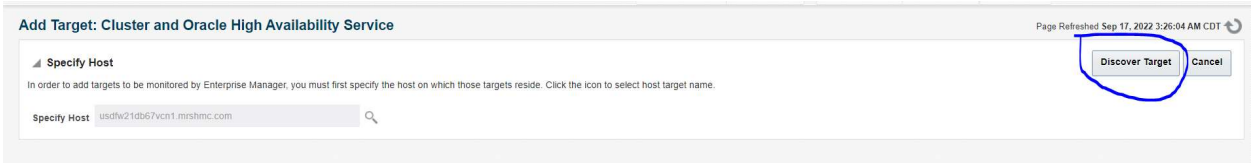
Select option mentioned below



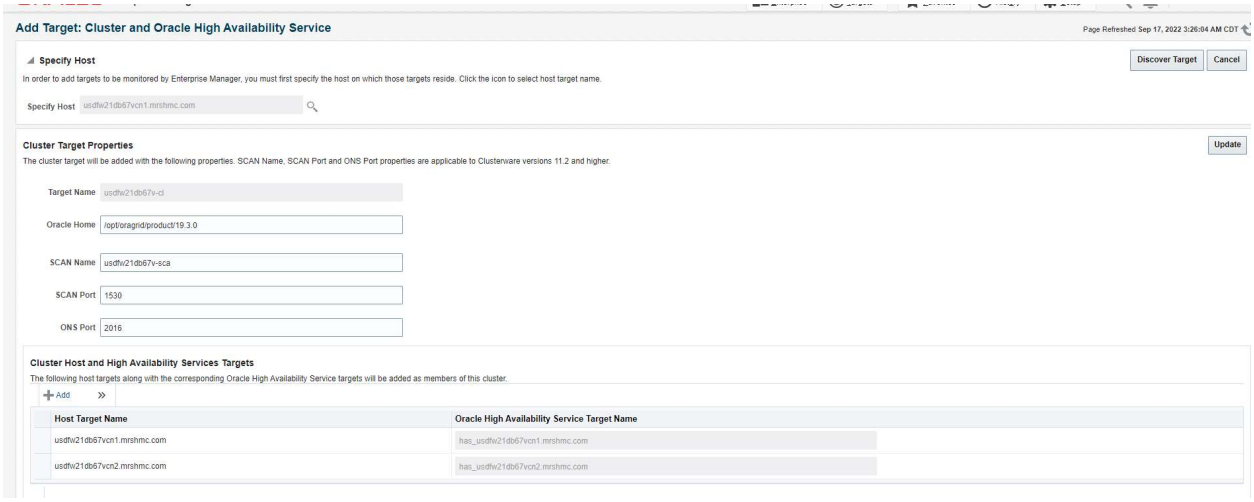
a. Click on “Search”
b. On Host “mention host name
c. Click on Search
d. Select host shown
e. Finally click on “Select “



Click on “Discover Target”

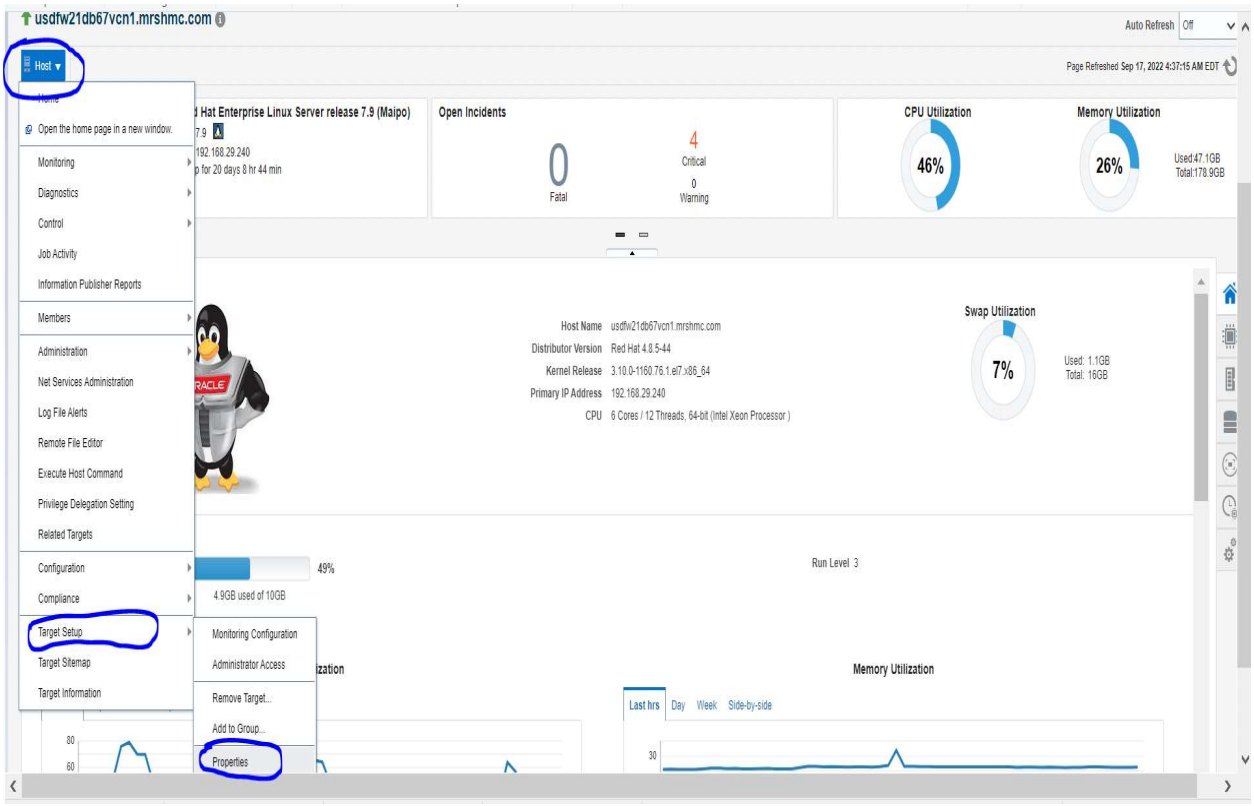


Click on “Save” or “Update”

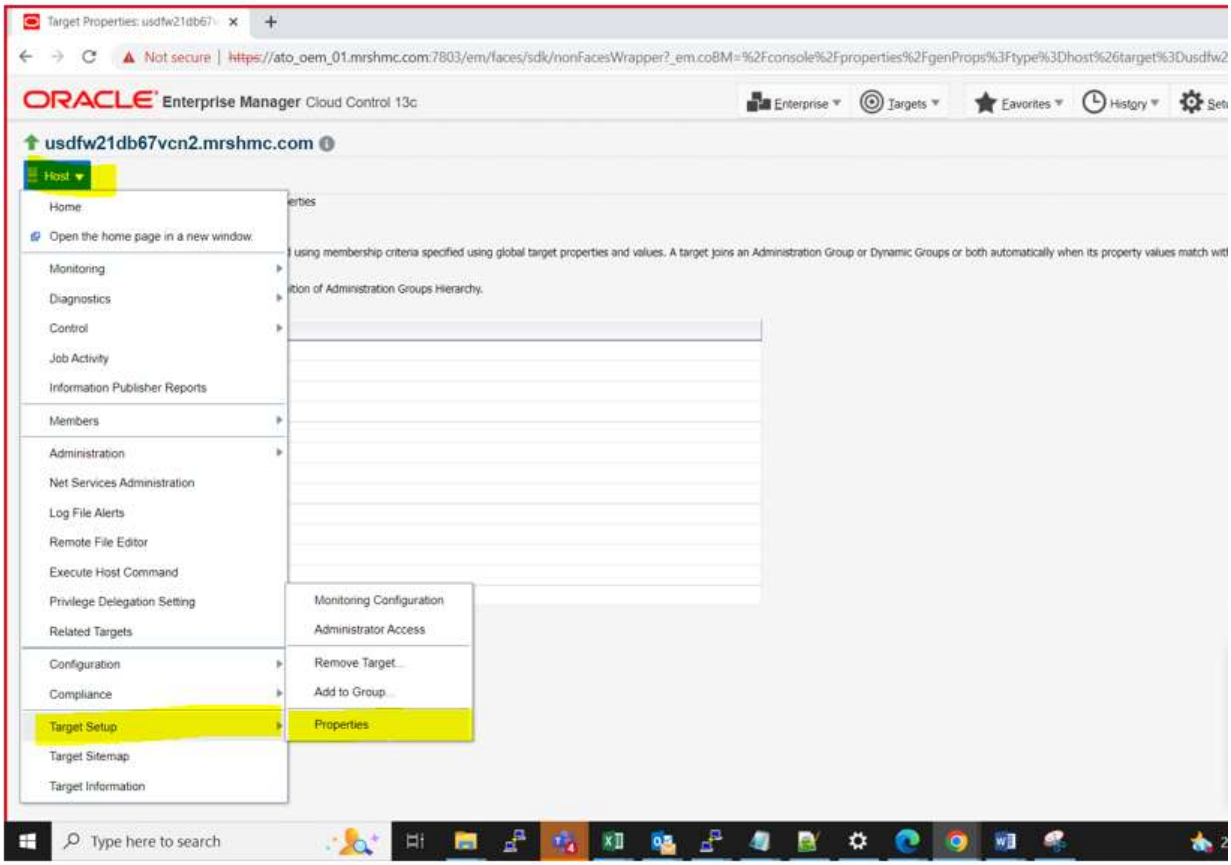


Assign Hosts into Groups

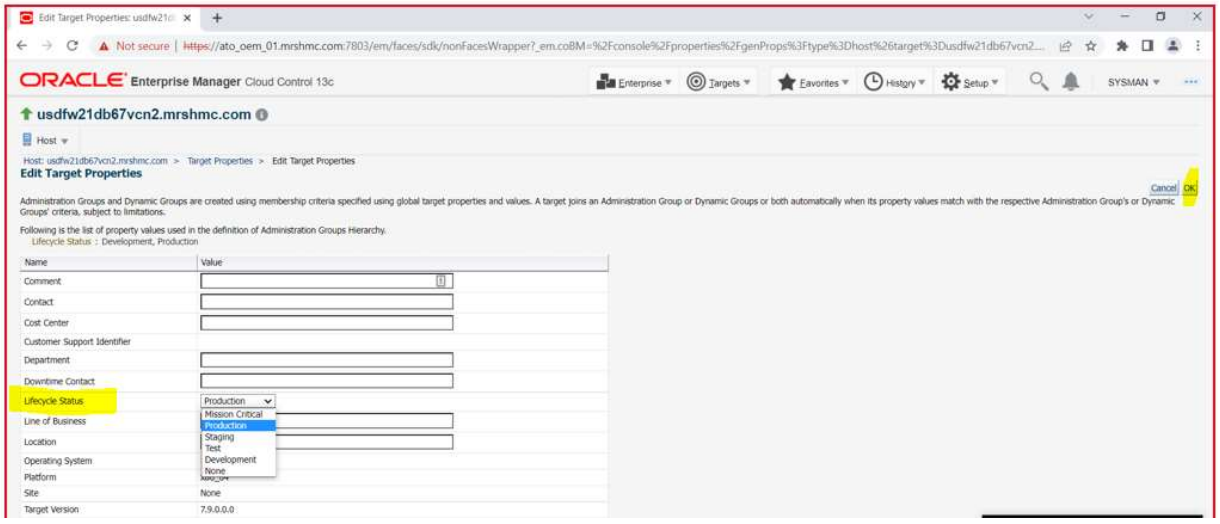
Select Host → Target Setup → Properties



Click on Edit



After that select "Production" for Prod and "Development" for Non-Prod in LifeCycle Status. Highlighted below…

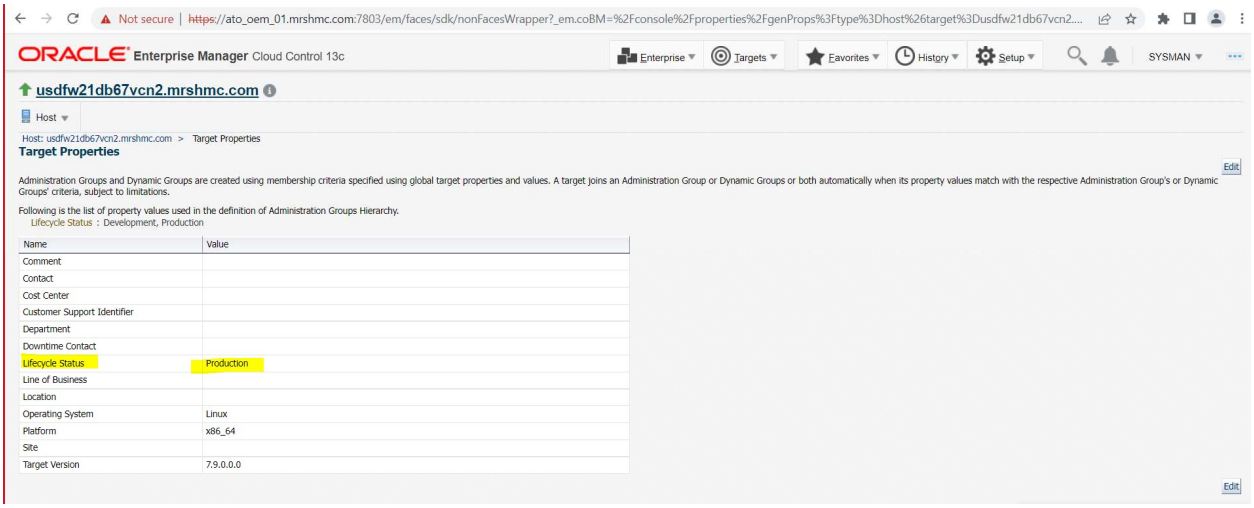


Click On "Ok" Button

Now verify Lifecycle Status of Respective Target.

- ❖ **LifeCycle Status should be Production for PROD Group**
- ❖ **Development for Non-Prod Group.**

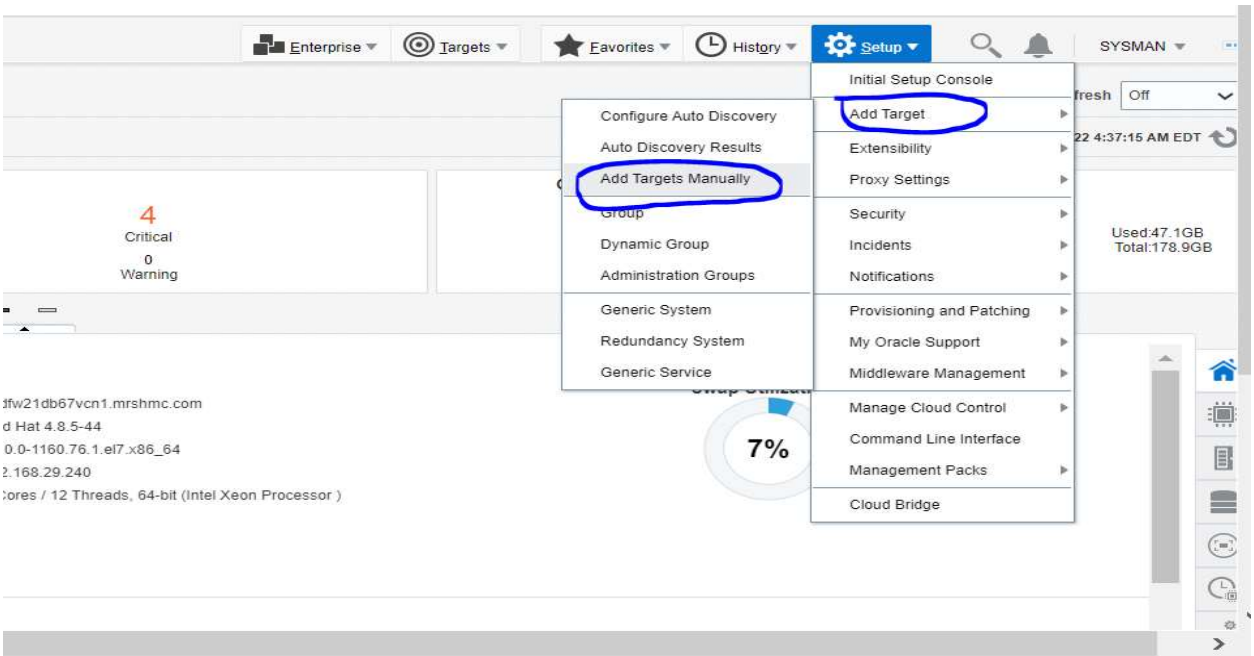
Value should show as below:-



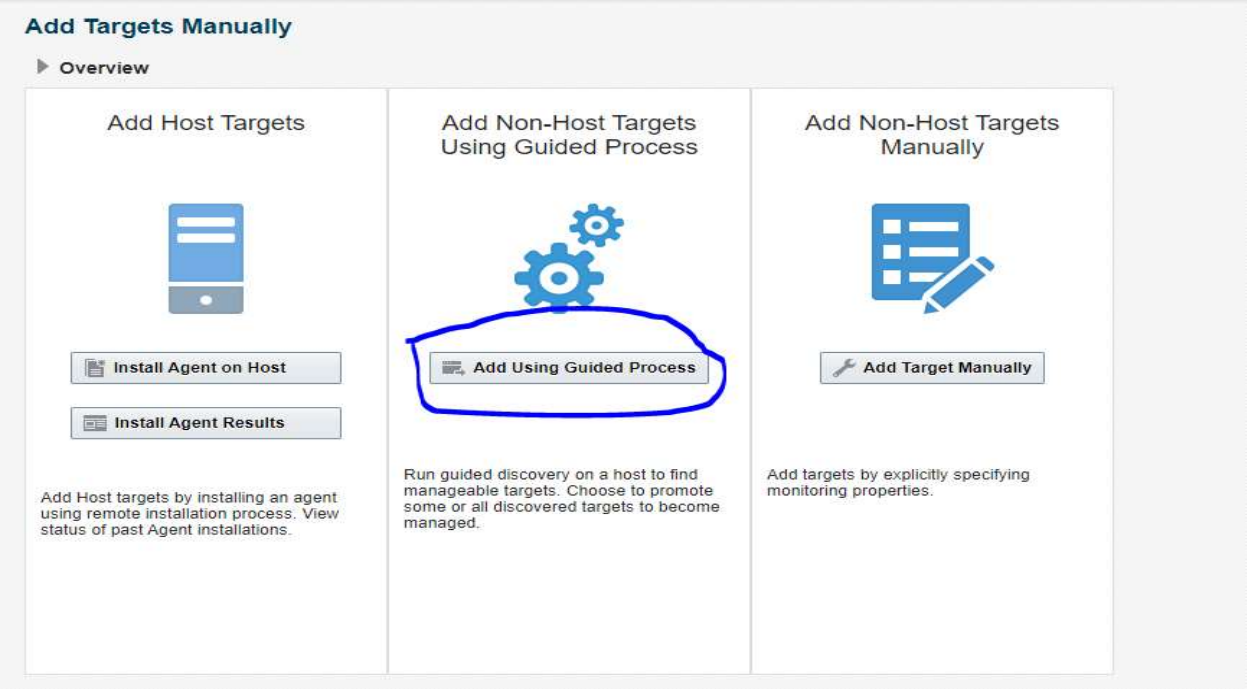
(2.2) Add DB/Instance/ASM

Below Example for Adding DB "ICSWWC2P"

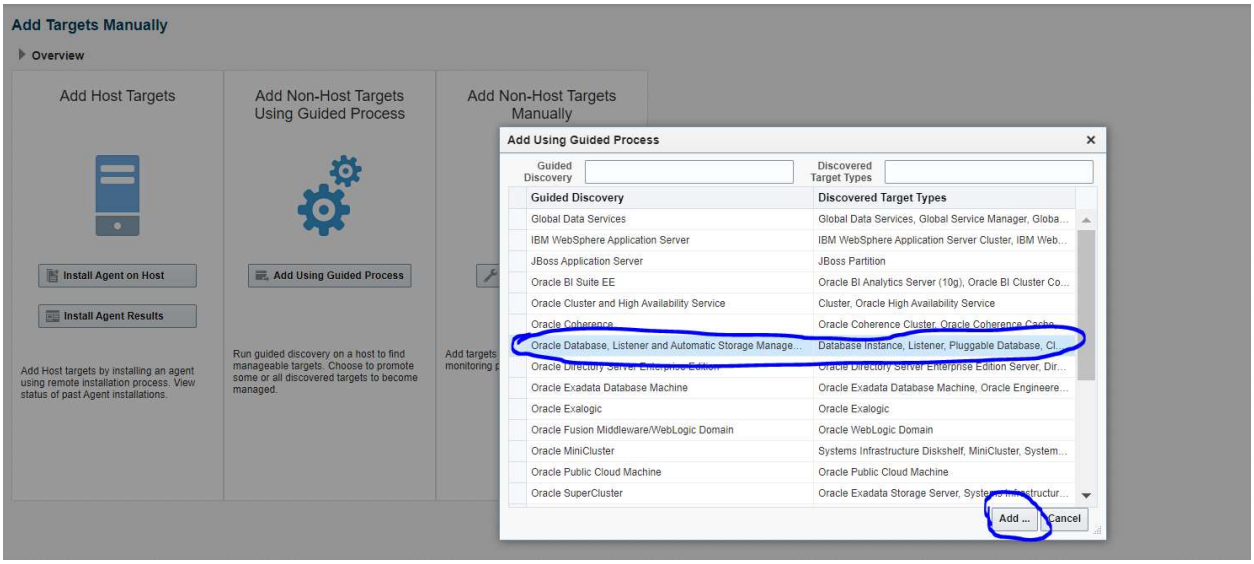
Click on "Setup" → "Add Target" → "Add Targets Manually"



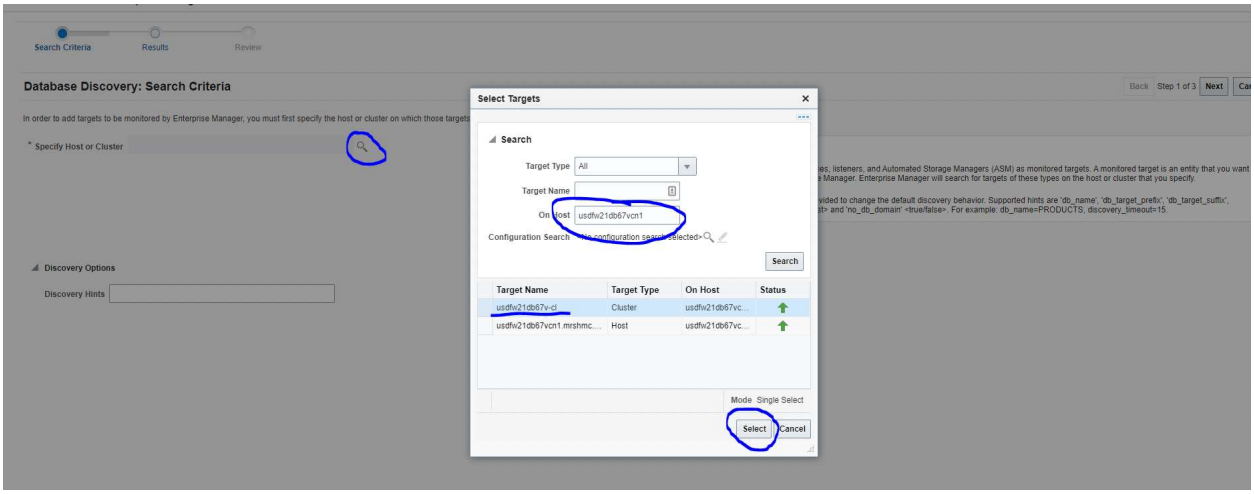
Click on "Add Using Guided Process"



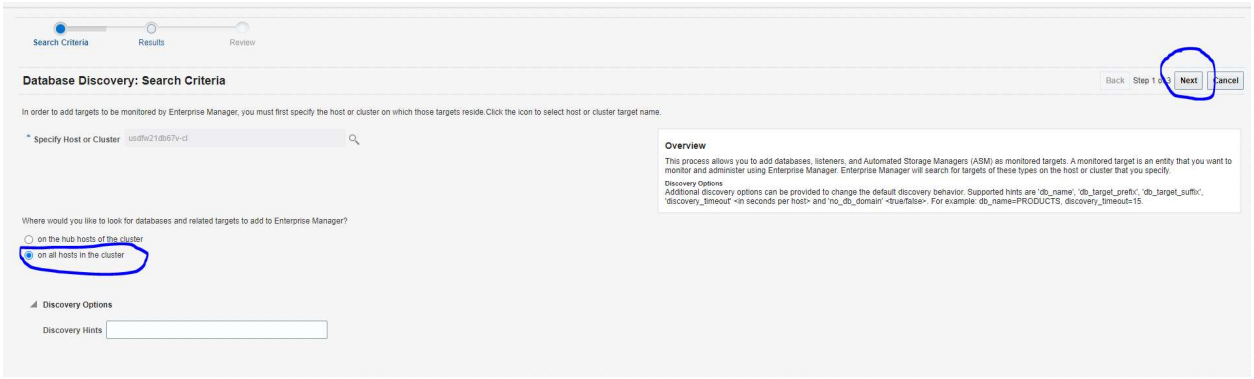
Select option as highlighted below and Click on "Add Button"



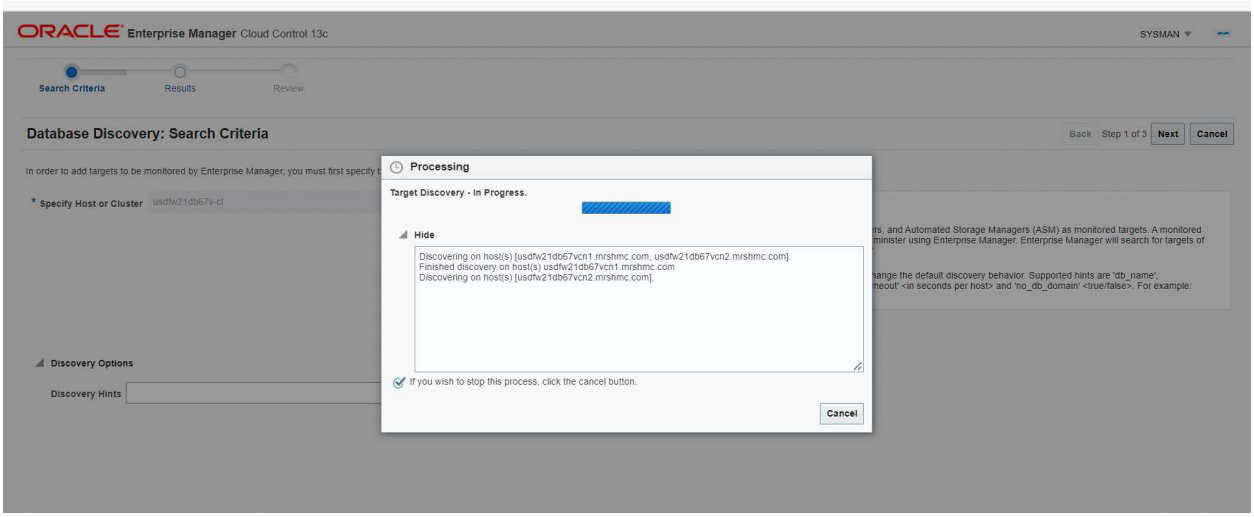
Follow highlighted steps in below snapshot



Select below Highlighted options and click on “Next”

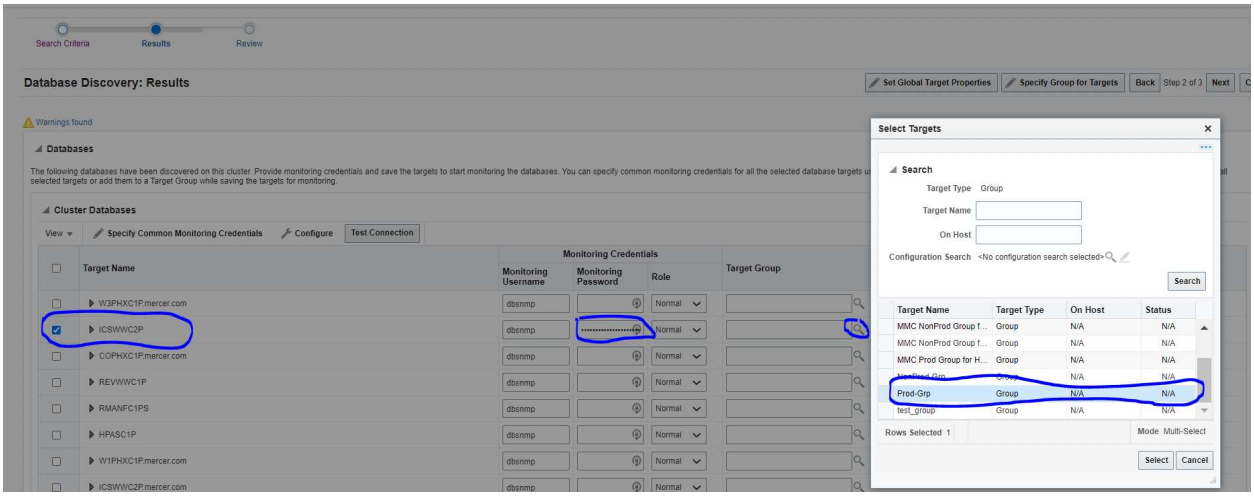


Wait till until next window open

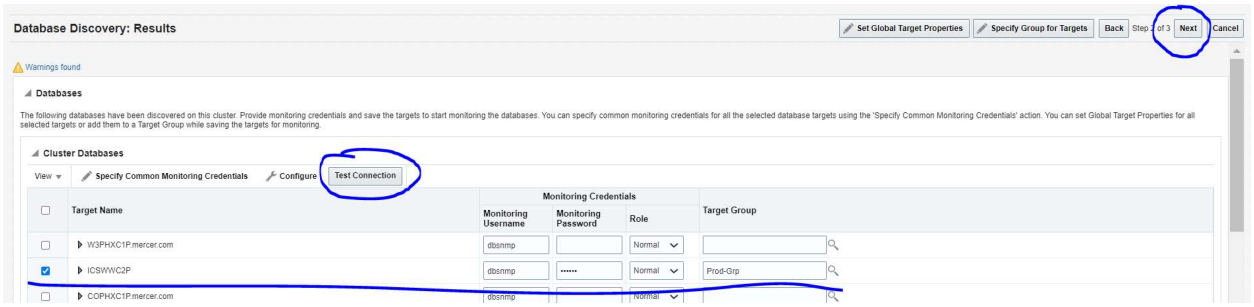


Select targets need to be added.

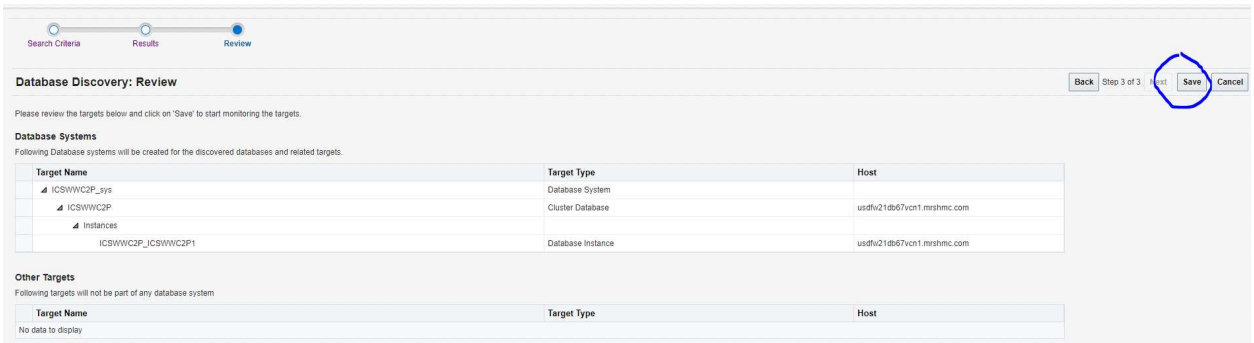
Tick check box for target DB → Put dbsnmp password → Click on search Button then select respective group as highlighted below

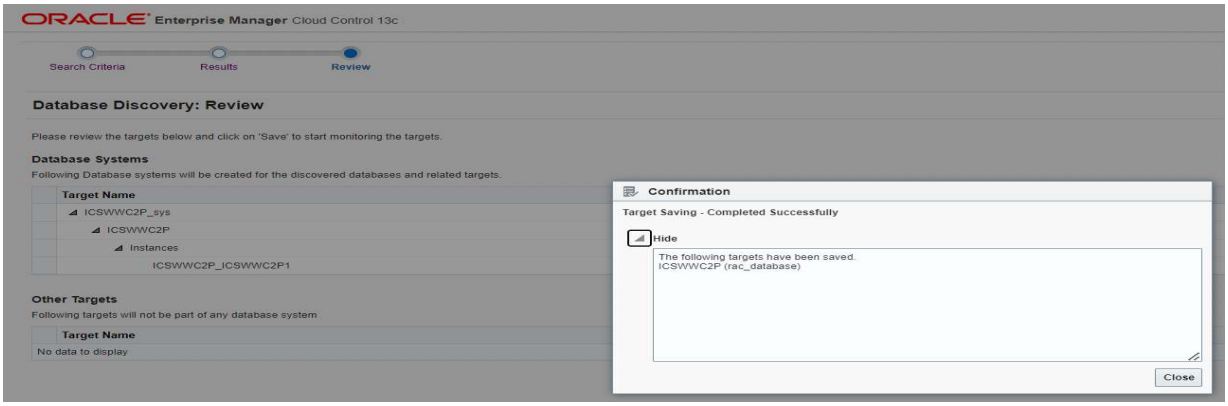


Click on test Button, One connection successful then click on Next



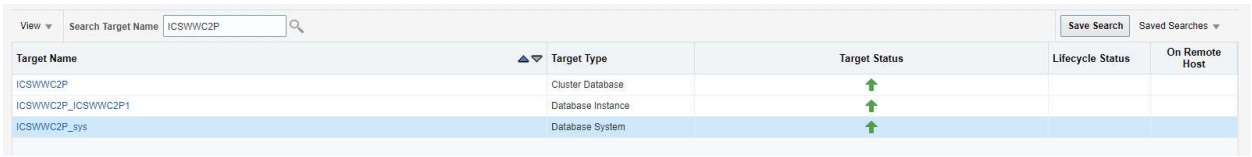
Click "Save" buttons



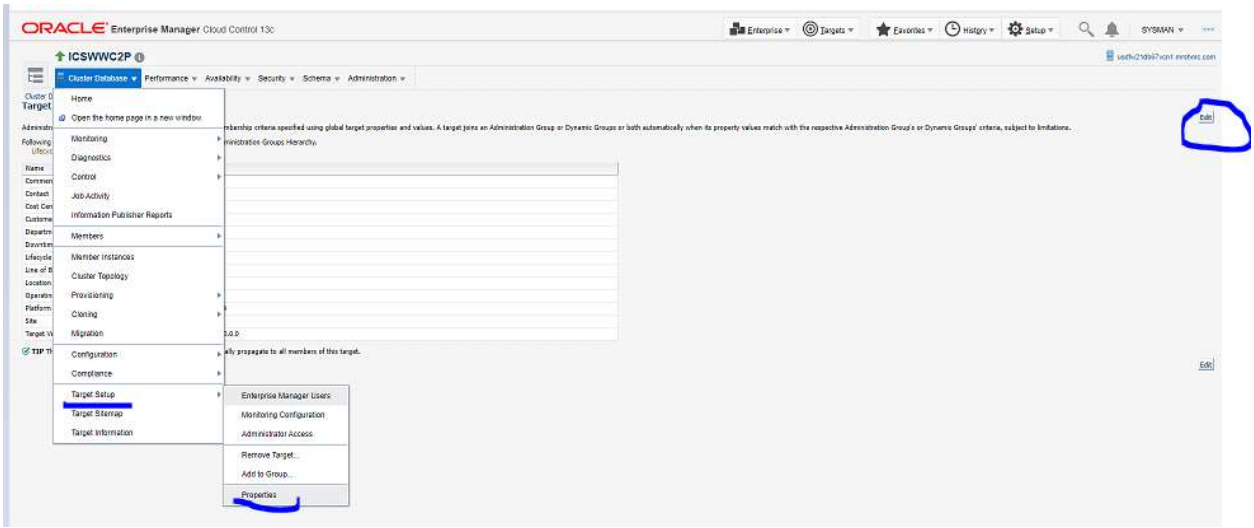


Now modify and fix LifeCycle Status for each target

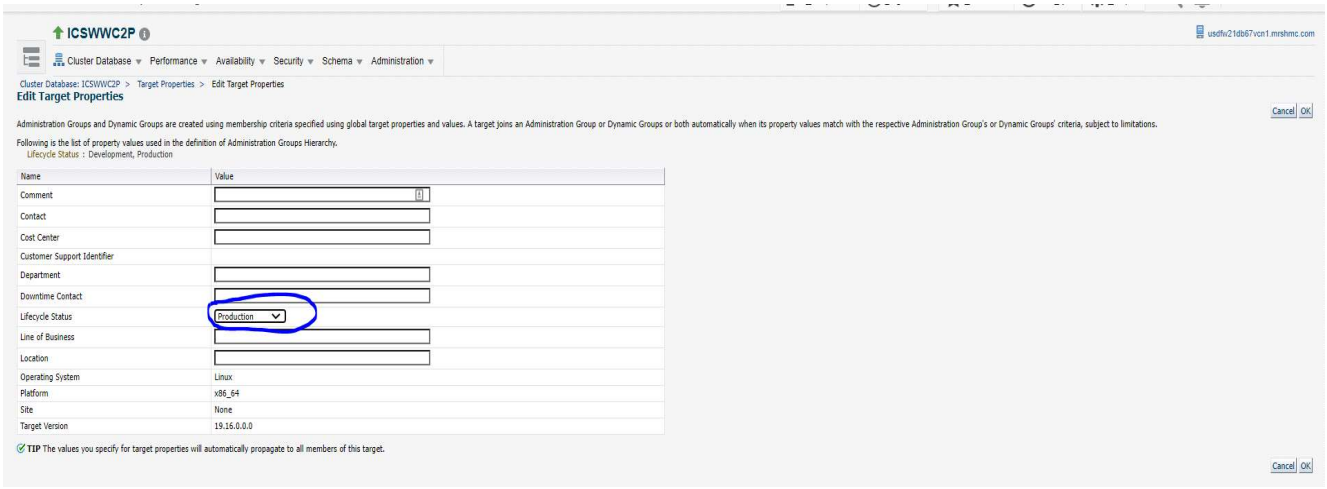
- **LifeCycle Status should be Production for PROD Group**
- **Development for Non-Prod Group.**



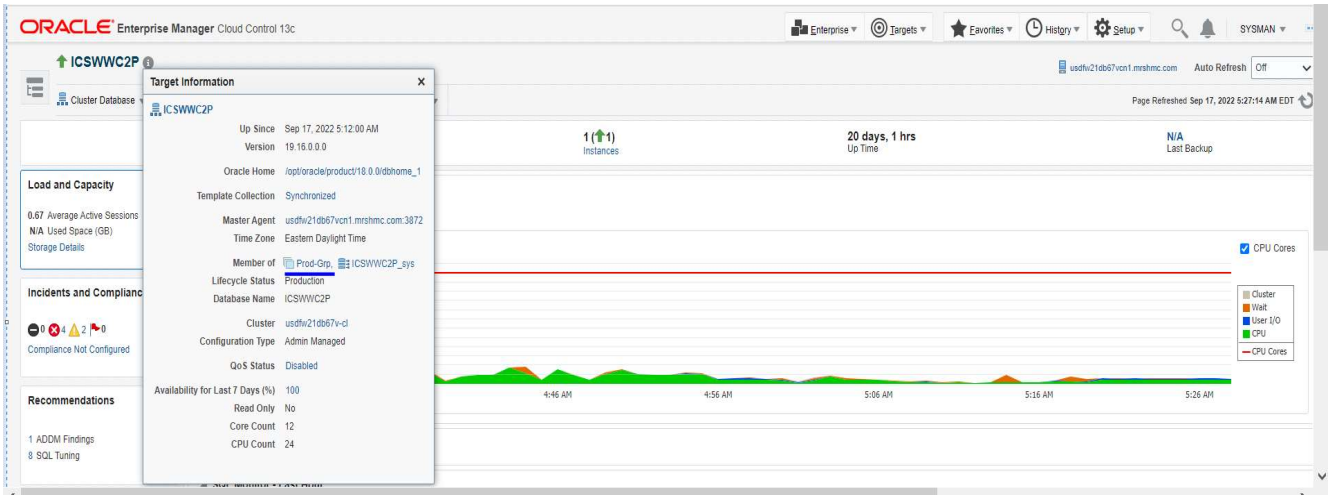
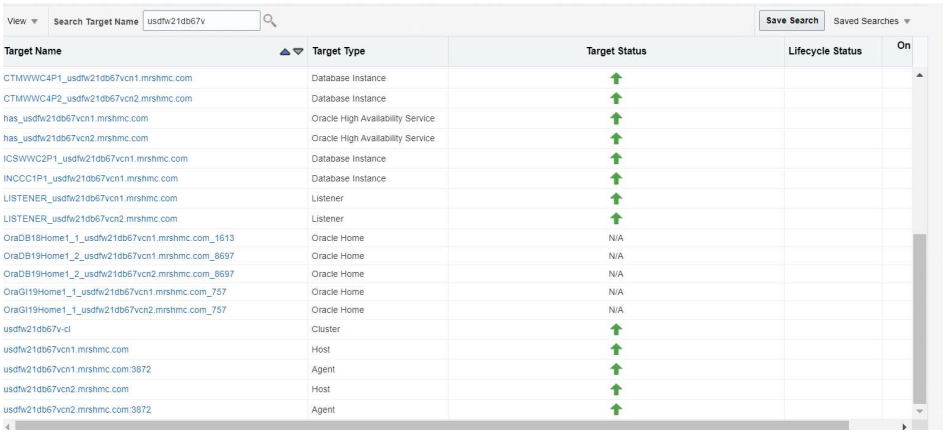
Click on Target database → Target information as highlighted below



Modify Target Propertied to correct Lifecycle Production for Prod and Development for Non-Prods.



Targets should highlighted group for “Prod”



Validate all target on OEM