ODA (Oracle Database Appliance): New Deploy Step-by-Step Short Guide (version 2.1) [ID 1448278.1]

Modified 05-DEC-2012 *Type* HOWTO *Status* ARCHIVED

In this Document

Applies to:

Oracle Appliance Kit - Version 2.1.0.1 to 2.1.0.3 [Release 2.1]
Information in this document applies to any platform.

Goal

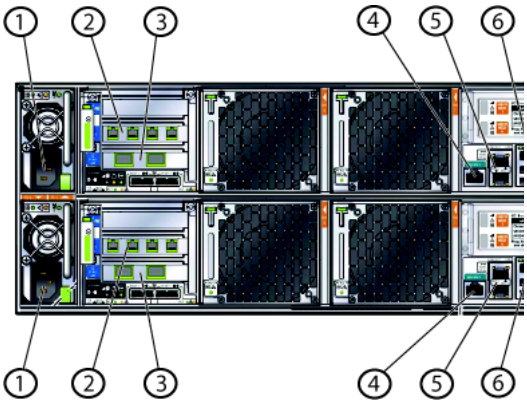
The aim of this bulletin is provide a step-by-step short guide for a new ODA deploy.
This note is covering the steps to configure, install and deploy an ODA out of the box.

Fix

The Steps

1. Connect the cables.

On both system controllers, connect:
a) Power to the power supply unit (PSU) (1)
b) 1GbE network to Net0 and Net1 (bond0) (5)
c) Ethernet to Net Mgt for Oracle ILOM (6)



In order to avoid the issue described by Document 1427885.1
Connect the "Ethernet to Net Mgt for Oracle ILOM (6)" on the same bond0 network making ILOM network "visible" by the ODA public network.

d) Serial connector to Oracle ILOM and system console (4).

2. Power on the systems.

After connecting the power cords in Step 1, the green SP OK LED (1) blinks for a few minutes, then turns steady ON.

a) After the green SP OK LED is steady ON, push the power button on each SC.
b) Wait for the green Power OK LED to turn steady ON. It might blink for several minutes.

3. Log in to the ILOM console and configure the network

You are connected to the ILOM serial console (see Document 1395445.1), you can now configure the ILOM network executing the following commands:

```
set /SP/network pendingipdiscovery=static
set /SP/network pendingipaddress=<IP Address>
set /SP/network pendingipgateway=<gateway-IPaddr>
set /SP/network pendingipnetmask=<netmask>
set /SP/network commitpending=true
show /SP/network


i.e.:
set /SP/network pendingipdiscovery=static
set /SP/network pendingipaddress=10.10.0.101
set /SP/network pendingipgateway=10.10.0.1
set /SP/network pendingipnetmask=255.255.255.0
set /SP/network commitpending=true
```

Type the command 'show /SP/network' to display the current SP IP address.

The IP information displays, as shown in the following sample:

```
-> show /SP/network

/SP/network
Targets:
interconnect
ipv6
test

Properties:
commitpending = (Cannot show property)
dhcp_server_ip = none
ipaddress = 10.182.79.97
ipdiscovery = static
ipgateway = 10.182.79.1
ipnetmask = 255.255.255.0
macaddress = 00:21:28:D6:14:AE
managementport = /SYS/SP/NET0
outofbandmacaddress = 00:21:28:D6:14:AE
pendingipaddress = 10.182.79.97
pendingipdiscovery = static
pendingipgateway = 10.182.79.1
pendingipnetmask = 255.255.255.0
pendingmanagementport = /SYS/SP/NET0
sidebandmacaddress = 00:21:28:D6:14:AF
state = enabled
```

4. Log in to the ODA console and configure the network

Having setting up the ILOM network, now you can connect the ODA console from the ILOM web console using a browser like Ms IE or Google Chrome.

On **both nodes** execute the following command:

```
oakcli configure firstnet
```

5. Move the required Software on ODA node1 (SC0)

You can copy the required software over ODA using the network (from step4) or using an USB flash driver (see Document 1437843.1)

The required software is as following (see Document 888888.1 for details):

On both nodes:

1. ODA Bundle Patch 2.1.0.3.0: p13622348_21030_Linux-x86-64.zip
2. ODA Mandatory Patch 2.1.0.3.1: p13817532_21031_Linux-x86-64.zip

only on node 1 (SC0):

3. ODA End User Bundle: p12978712_21030_Linux-x86-64.zip
4. Oracle Database Appliance Offline Configurator

6. Unpack the ODA patches on both nodes

Unpack the ODA patches on both nodes executing the following command:

```
cd /opt/oracle/oak/bin
./oakcli unpack -package <absolute_path_to_patch_file p13622348_21030_Linux-x86-64.zip>
```

```
cd /opt/oracle/oak/bin
./oakcli unpack -package <absolute_path_to_patch_file p13817532_21031_Linux-x86-64.zip>
```

7. Unpack the ODA End User Bundle only on node 1 (SC0)

Unpack the ODA EndUserBundle only one node 1 (SC0) executing the following command:

```
cd /opt/oracle/oak/bin
oakcli unpack -package <absolute_path_to_patch_file p12978712_21030_Linux-x86-64.zip>
```

8. Apply the ODA Bundle Patch 2.1.0.3.0 on both nodes

Apply the ODA Bundle Patch 2.1.0.3.0 on both nodes executing the following command:

```
./oakcli update -patch 2.1.0.3.0
```

The nodes after the update will reboot.

9. Apply the ODA mandatory patch 2.1.0.3.1 on both nodes

Apply the ODA mandatory patch 2.1.0.3.1 on both nodes executing the following command:

```
./oakcli update -patch 2.1.0.3.1 --component oak
```

10. Power off both nodes

In order to be sure the ODA BIOS will be updated power off both node and wait for 3/4 minutes, executing the following command on both nodes:

```
init 0

wait 3/4 minutes and then startup the ODA nodes
```

11. Check the version

Having both nodes up&running check the Software version doing the following command:

```
oakcli show version -detail
```

the result you get should be like the following:

```
Reading the metadata. It takes a while...
System Version Component Name  Installed Version  Supported Versions
-------------- --------------- ------------------ -----------------
2.1.0.3.1
              Controller      05.00.29.00        05.00.29.00

              Expander        0342               0342

              SSD             E125               E125

              HDD_LOCAL       SA03               SA03,SF03

              HDD_SHARED      0805               0A25

              ILOM            3.0.14.13.a r70764 3.0.14.13.a_r70764

              BIOS            12010304           12010304

              IPMI            1.8.10.4           1.8.10.4

              ASR             Unknown            3.3

              HMP             2.1.1              2.1.1

              OAK             2.1.0.3.1_120306   2.1.0.3.1_120306

              OEL             5.5                5.5
```

12. Run the Oracle Database Appliance Offline Configurator and validate

Run the Oracle Database Appliance Offline Configurator (4) from node 1 (SC0) and validate your configuration.

13. Run the deploy

You can now execute the "one button install" running the deploy and using the configuration file generated and validated by the step 12 executing the following command:

```
cd /opt/oracle/oak/bin
oakcli deploy -conf <absolute_path_to_the_configure_file_step12>
```

References

NOTE:1395445.1 - ODA (Oracle Database Appliance) : ILOM configuration via Serial port
NOTE:1427885.1 - ODA (Oracle Database Appliance): OAK Bundle Patch failing on ILOM/BIOS component apply
NOTE:1437843.1 - ODA (Oracle Database Appliance): How To copy the Bundle Patch to ODA
NOTE:888888.1 - Oracle Database Appliance - 2.X Supported Versions & Known Issues
NOTE:1486534.1 - ODA (Oracle Database Appliance): New Deploy Step-by-Step Short Guide (version 2.3)
NOTE:1469093.1 - ODA (Oracle Database Appliance): New Deploy Step-by-Step Short Guide (version 2.2)

Attachments

cmt_t4_127867.png (134.02 KB)
stepbystep.PNG (129.82 KB)

Related

Products

- Oracle Database Products > Appliance > Database Appliance > Oracle Appliance Kit

Keywords

APPLIANCE; OAKCLI; ODA; DYNAMIC ADV HOWTO; ORACLE DATABASE APPLIANCE

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