

Deploying Oracle Database Appliance X6-2S/X6-2M/X6-2L

Preparing to Deploy Oracle Database Appliance

1 Register with My Oracle Support

- Verify that your shipment contains the correct power cables for your location.
- Obtain your hardware Support Identifier (SI).
- Add the hardware SI and new software licenses that you received with Oracle Database Appliance to your My Oracle Support profile. Each SI registration may take up to 24 hours.

Note: You must have registered hardware and software SIs to obtain software or support from Oracle.

2 Plan the Network Configuration

Collect the following network information from your network administrator:

- Generic network information
 - Domain name (for example, example.com)
 - **(Optional)** DNS server addresses
 - **(Optional)** Network Time Protocol server addresses
- Select the network interface you want to use for your public network
 - Oracle Database Appliance provides 10GBase-T and 10GbE SFP+ options
- Public network details needed to connect to the system
 - Host name and IP address (for example, hrsys0 and 192.0.2.18)
 - Netmask for public network (for example, 255.255.252.0)
 - Gateway for public network (for example, 192.0.2.1)
- **(Optional)** Ability to configure additional networks

3

(Optional) Plan for Oracle ILOM Configuration

Configure Oracle Integrated Lights Out Manager (Oracle ILOM) for managing Oracle Database Appliance independently of the operating system. Collect the following ILOM details from your network administrator:

- Oracle ILOM Hostname and IP address (for example, hrsysilom1 and 10.0.0.3)
- Netmask for ILOM network (for example, 255.255.255.0)
- Gateway for ILOM network (for example, 10.0.0.1)

4

Plan the Software and Database Configuration Properties

Identify the following configuration properties:

- Host Name (for example, hrsys)
- Region (for example, America)
- Time Zone (for example, America/Los_Angeles)
- Database Edition (SE or EE)
(Note: SE option only applies to Oracle Database Appliance X6-2S/X6-2M)
- **(Optional)** Disk Group Redundancy: High (triple-mirrored) or Normal (double-mirrored)
- Backup Location Type (for example, External)
- Percentage of storage reserved for data
- Database Name (for example, hrdb)
- Database Version (for example, 12.1.0.2)
- Database Shape (for example, odb1)
- Database Language (for example, English)
- Database Character Set (for example, AL32UTF8)
- Database Territory (for example, America)
- Database National Character Set (for example: AL16UTF16)
- Container Database (yes or no)
- **(Optional)** PDB name
- Storage Type (ACFS or ASM)

5

(Optional) Plan for Oracle Auto Service Request

You can configure Oracle Auto Service Request (Oracle ASR) in Oracle Database Appliance or you can configure an external ASR Manager. For more information about ASR, see: www.oracle.com/technetwork/systems/asr/overview/index.html

To configure Oracle Auto Service Request (ASR), provide the following:

- My Oracle Support account user name
- My Oracle Support account password
- SNMP version
- (Optional) Proxy server name to use for your deployment
- (Optional) Proxy server port
- (Optional) Proxy user name
- (Optional) Proxy password

If you configure an external ASR Manager, you will also need the following:

- ASR Manager IP, host name
- ASR Manager port

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Download the Software

Follow the instructions in My Oracle Support Note 888888.1: support.oracle.com/CSP/main/article?cmd=show&type=NOT&id=888888.1

- Download the Oracle Database Appliance Single Instance software bundle (SIB) file(s) to a local computer on the network

7 Review Oracle Database Appliance Information

- Review the most recent version of this poster in the Oracle Database Appliance online documentation library <http://docs.oracle.com/en/engineered-systems/#oracle-database-appliance>
- Review the Oracle Database Appliance white papers on Oracle Technology Network: www.oracle.com/technetwork/server-storage/engineered-systems/database-appliance/index.html
- Review the Oracle Database Appliance Information Center, which is contained in My Oracle Support Note 1417713.2: support.oracle.com/CSP/main/article?cmd=show&type=NOT&id=1417713.2
- Review the latest information about Oracle software and hardware products: www.oracle.com

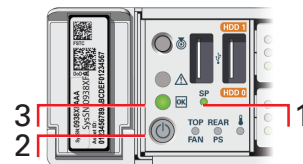
Deploying Oracle Database Appliance

1 Rack, Cable and Connect the Network and Power

- Ensure that the system hardware is set up and mounted properly. See the *Oracle Database Appliance Owner's Guide* for more information. <http://docs.oracle.com/en/engineered-systems/#oracle-database-appliance>
- Important: Follow the instructions on Page 7 to cable Oracle Database Appliance
 - Connect power to the power supply unit (PSU)
 - **(Optional)** Plug in the network cable for the ILOM network management
 - Connect the keyboard and mouse to USB ports and video display to VGA port

2 Start Up the System

- A Once the green SP OK LED (1) is steady ON, push the power button (2).
- B Wait for the green Power OK LED (3) to turn steady ON. The Power OK LED might blink for several minutes. Do not repeatedly push the power button





Deploying Oracle Database Appliance, continued

3 Plumb the Network

- Log in to the system as root with the password welcome1.
- Oracle Database Appliance X6-2S has two highly available networks and Oracle Database Appliance X6-2M/X6-2L have three available networks.
- Use either the 10GBase-T or the 10GbE SFP+ network interface.

```
# configure-firstnet
Select the Interface to configure the network on (btbond1 sfpbond1) [btbond1]:btbond1
Configure DHCP on btbond1 (yes/no) [no]:no
INFO: You have chosen Static configuration
Enter the IP address to configure : 10.1.10.2
Enter the Netmask address to configure : 255.255.255.0
Enter the Gateway address to configure[10.1.10.1] :
INFO: Plumbing the IPs now
INFO: Restarting the network
Shutting down interface btbond1:
```

4 Download the Oracle Database Appliance Software

Follow the instructions in My Oracle Support Note 888888.1:
support.oracle.com/CSP/mail/article?cmd=show&type=type=NOT&id=888888.1

- Download the latest software (Oracle Database Appliance Single Instance Bundle) to a local computer on the network.
- Download the latest Oracle Database Appliance patch bundle, which you must apply before or after deployment, and review the README files.

5 Update the Oracle Database Appliance Image

Update the Oracle Database Appliance with the single instance bundle file(s) that have been copied to system in the previous step. If there is more than one file, you can list all of them separated by a comma. For example:

- `odacli update-repository -f /<path>/oda-sm-12.1.2.70-160518-GI-12.1.0.2.zip,<path>/oda-sm-12.1.2.70-160518-DB-12.1.0.2.zip,<path>/oda-sm-12.1.2.70-160518-DB-11.2.0.4.zip`

Please refer to the README of the patch files for update on commands.

6 Deploy the Oracle Database Appliance

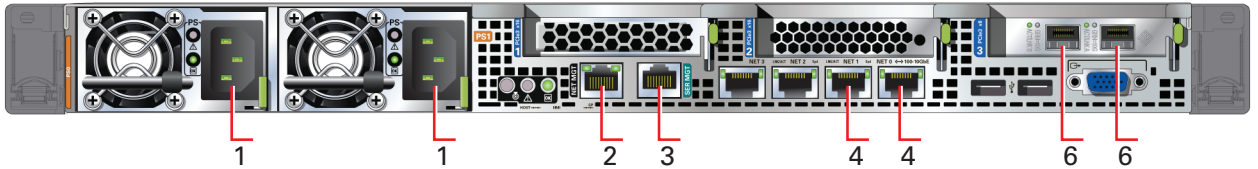
Perform the following steps to deploy Oracle Database Appliance

- A In your browser type the following URL: <https://ip-address:7093/mgmt/index.html>
- B Enter for following credentials
 - Username: **oda-admin**
 - Password: **welcome1**
- C Click **Deploy Appliance** on the Appliance page
- D Enter the configuration information details
- E Review your configuration
- F Click **Submit** to start the deployment

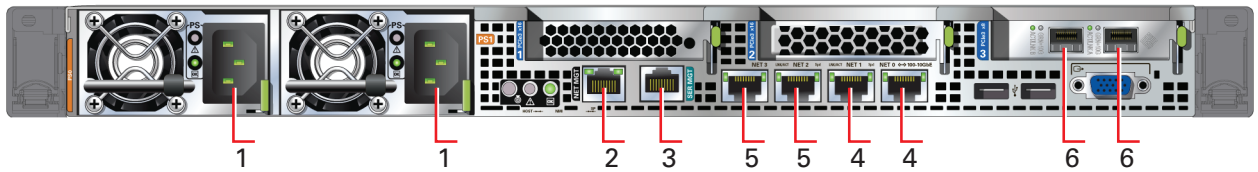
7 Monitor Deployment Progress

- You can monitor the progress on the **Activities** tab

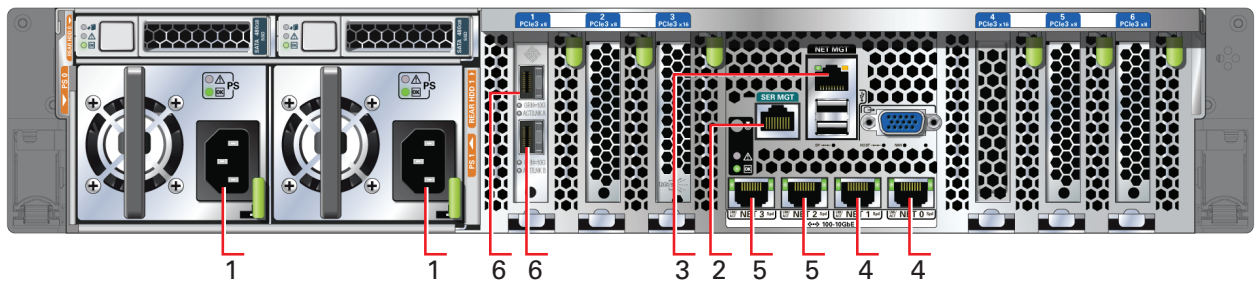
Cabling for Oracle Database Appliance X6-2S



Cabling for Oracle Database Appliance X6-2M



Cabling for the Oracle Database Appliance X6-2L



Callout	Description
1	Power Cables
2	ILOM NET MGT port. Service processor 10/100/1000Base-T network interface
3	ILOM SER MGT port. Service processor RJ-45 serial port (Optional)
4	10 GbE network interface port with RJ-45 connector (btbond1)
5	10 GbE network interface port with RJ-45 connector (btbond2) (Not available on Oracle Database Appliance X6-2S)
6	10 GbE SFP+ ports (sfpbond1) (Optional)