

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

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:

- System Name (for example, hrsys)
- Region (for example, America)
- Time Zone (for example, America/Los_Angeles)
- Database Edition (SE or EE)
- **(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, 12.1.2.0.2)
- Database Shape (for example, odb-01)
- 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)

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(Optional) Plan for Oracle Auto Service Request

A Configure Oracle Auto Service Request (ASR), provide the following:

- Proxy server name to use for your deployment
- Proxy server port
- Region (for example, America)
- Proxy user name
- Proxy password
- Oracle online account user name
- Oracle online account password

B Configure External ASR manager

- ASR Manager IP, host name
- ASR Manager port
- Your My Oracle Support account user name and password. For more information about ASR, see: www.oracle.com/technetwork/systems/asr/overview/index.html

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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

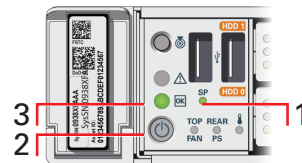
Deploying Oracle Database Appliance

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

- Once the green SP OK LED (1) is steady ON, push the power button (2).
- Wait for the green PowerOK 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 has 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 Copy the Oracle Database Appliance (SIB)

Copy the Oracle Database Appliance Single Instance software bundle (SIB) that you downloaded previously to Oracle Database Appliance. Use scp or sftp to copy the bundle. For example:

- `scp odasm-db-bundle-12.1.2.7-date.zip to root@<system_name>`
- `sftp root@<system_name>`
 - enter root password
 - `put odasm-db-bundle-12.1.2.7-date.zip`

Please check the README for additional instructions on the files that should be uploaded and/or concatenated for the Oracle Database Appliance.

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:

- `#update-image --image-file /<path>/oda-sm-12.1.2.7.0-160518-GI-12.1.0.2.zip,/<path>/oda-sm-12.1.2.7.0-160518-DB-12.1.0.2.zip,/<path>/oda-sm-12.1.2.7.0-160518-DB-11.2.0.4.zip`

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Deploy 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

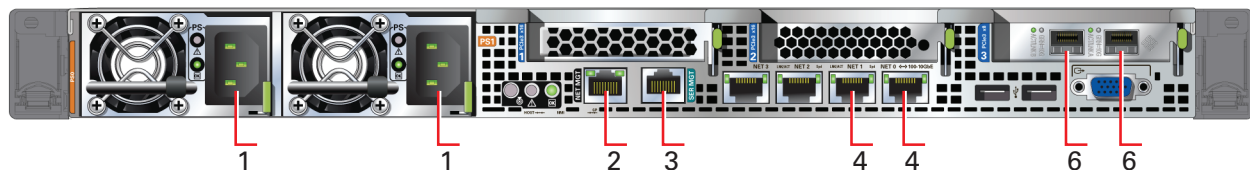
F Click **Submit** to start the deployment

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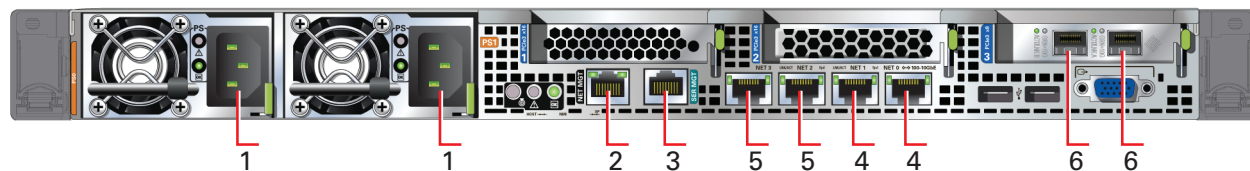
Monitor Deployment Progress

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

Cabling for Oracle Database Appliance X6-2S



Cabling for Oracle Database Appliance X6-2M



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 dual-rate SFP+ ports (sfpbond1) (Optional)

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