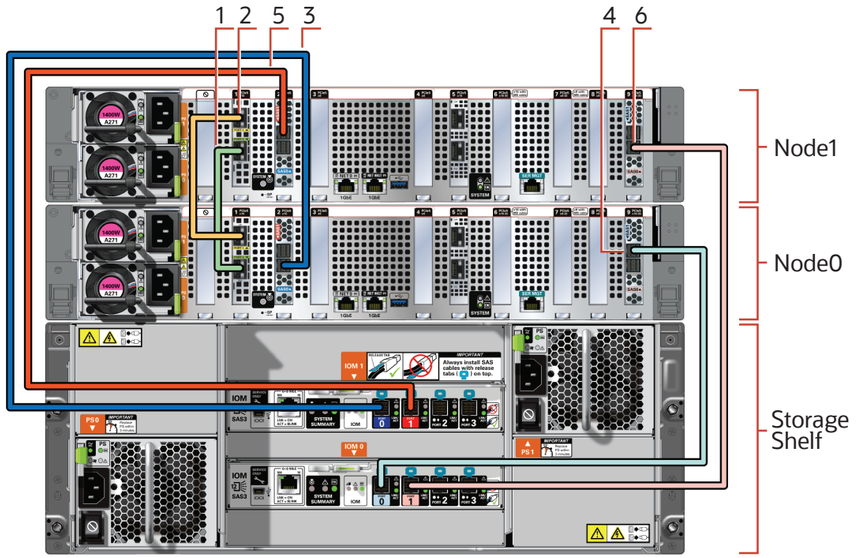
Cabling the Interconnect and Storage for Oracle Database Appliance X11-HA

ORACLE
Database Appliance



Connect interconnect and storage to Oracle Database Appliance X11-HA.

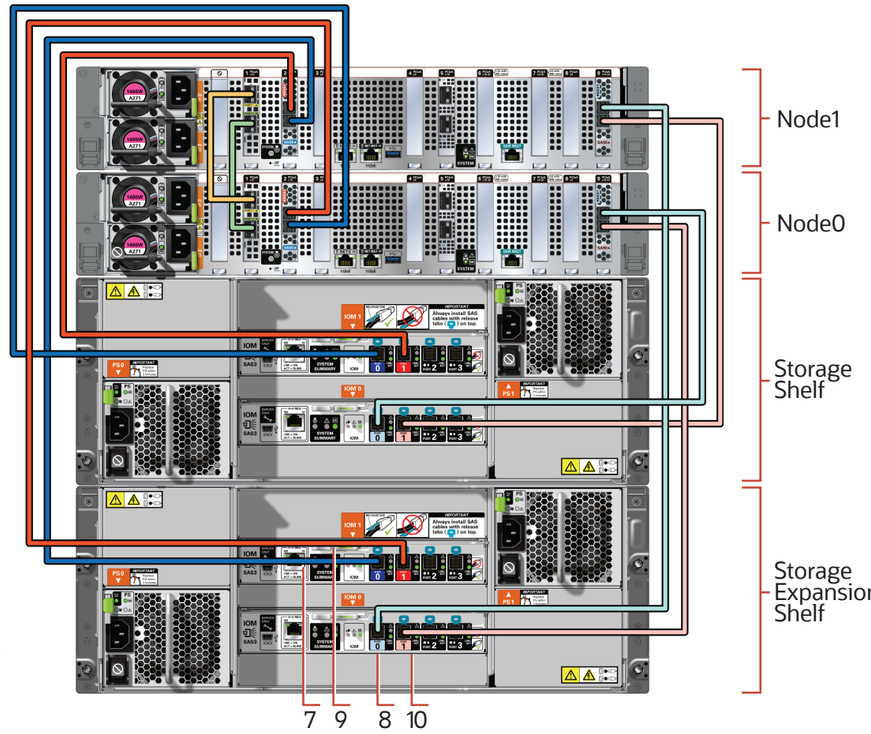
Note: The following cables are included as part of the Oracle Database Appliance shipment.

Network

Purpose	Start - Compute Node0	End - Compute Node1
1. Connect green SFP28 cable	Connect into green port (PORT 2) in PCIe slot 1	Connect into green port (PORT 2) in PCIe slot 1
2. Connect yellow SFP28 cable	Connect into yellow port (PORT 1) in PCIe slot 1	Connect into yellow port (PORT 1) in PCIe slot 1

Storage Shelf

Purpose	Start - Compute Nodes	End - Storage Shelf
3. Connect dark blue SAS cable	Connect into dark blue port (SAS0) in PCIe slot 2 in Node0	Connect into dark blue port in top IO Module (PORT 0)
4. Connect light blue SAS cable	Connect into light blue port (SAS1) in PCIe slot 9 in Node0	Connect into light blue port in bottom IO Module (PORT 0)
5. Connect dark red SAS cable	Connect into dark red port (SAS1) in PCIe slot 2 in Node1	Connect into dark red port in top IO Module (PORT 1)
6. Connect light red SAS cable	Connect into light red port (SAS0) in PCIe slot 9 in Node1	Connect into light red port in bottom IO Module (PORT 1)



Connect optional storage expansion shelf to Oracle Database Appliance X11-HA.

Note: The following cables are included as part of the Oracle Database Appliance shipment.

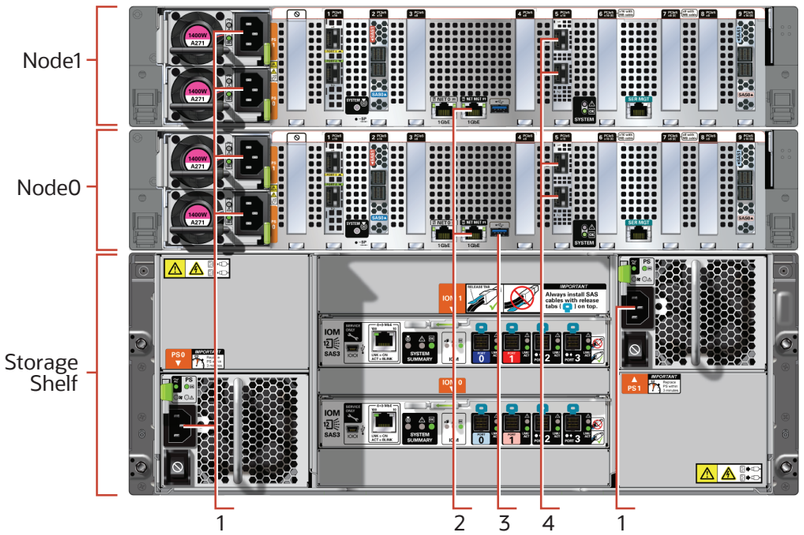
Storage Expansion Shelf

Purpose	Start - Compute Nodes	End - Expansion Shelf
7. Connect dark blue SAS cable	Connect into dark blue port (SAS0) in PCIe slot 2 in Node1	Connect into dark blue port in top IO Module (PORT 0)
8. Connect light blue SAS cable	Connect into light blue port (SAS1) in PCIe slot 9 in Node1	Connect into light blue port in bottom IO Module (PORT 0)
9. Connect dark red SAS cable	Connect into dark red port (SAS1) in PCIe slot 2 in Node0	Connect into dark red port in top IO Module (PORT 1)
10. Connect light red SAS cable	Connect into light red port (SAS0) in PCIe slot 9 in Node0	Connect into light red port in bottom IO Module (PORT 1)

Setup for Oracle Database Appliance X11-HA

ORACLE Database Appliance

1 Connect Power and Network Cables



Important:
Follow the instructions on Page 1 to cable the server nodes, storage and interconnect before proceeding. On both nodes:

A Plug in AC power to the storage shelf and host node power supplies (1) using the power cables included with the system. For redundancy, ensure that each component has one of its two power supplies connected to a separate AC power source.

B Plug in a network cable to the Oracle Integrated Lights Out Manager (Oracle ILOM) network management port (2).

C **(Optional)** On Node0 only, connect peripheral to USB (3).

D Plug in network cables to the public network ports (4). (Port connections can vary depending on the option ordered).

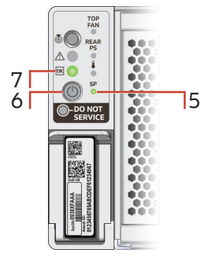
2 Start Up the Systems

Connect power to the power supply.

A Power on the storage shelf and optional storage expansion shelf by plugging in a power cord to each power supply. The storage shelves must be fully powered on (their Power OK LED steady on) before attempting to power on the host nodes. This can take several minutes depending on the number of drives installed.

B On each node, after the green SP OK LED (5) is steady ON, push the power button (6).

C Wait for the green Power OK LED (7) to turn steady ON. The Power OK LED may blink for several minutes. **Do not repeatedly push the power buttons.**



3 Deploy and Configure the Appliance

Refer to the *Oracle Database Appliance Deployment and User's Guide* for information about configuring and deploying the appliance. To get started with your appliance, refer to the *Oracle Database Appliance Welcome Kit* at:

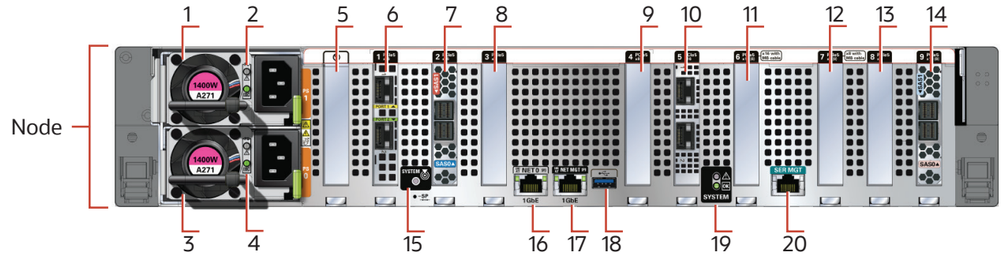
http://www.oracle.com/goto/oda/docs

For more information about Oracle Database Appliance, go to Oracle Technology Network:
http://www.oracle.com/technetwork/server-storage/engineered-systems/database-appliance/index.html

For more information about deployment, go to:
http://www.oracle.com/goto/oda/docs

You can also scan the Quick Response Code with your mobile device to read the documentation.

Server Back Panel Components, Connectors, and Indicators



Callout	Description
1	Power Supply (PS) 1 with fan module
2	Power Supply (PS) 1 status indicators: Service Required LED: amber, AC OK LED: green
3	Power Supply (PS) 0 with fan module
4	Power Supply (PS) 0 status indicators: Service Required LED: amber, AC OK LED: green
5	Not used
6	PCIe card slot 1: Oracle Dual Port 25Gb Ethernet Adapter which provides two ports for a private cluster interconnect between server nodes
7	PCIe card slot 2: provides two SAS3 connectors used to connect the servers to the storage shelf and the storage expansion shelf
8	PCIe card slot 3: filler panel
9	PCIe card slot 4: filler panel, or 2nd optional Oracle Dual Port 25Gb Ethernet Adapter or Oracle Quad Port 10GBase-T Adapter
10	PCIe card slot 5: 1st Oracle Dual Port 25Gb Ethernet Adapter or Oracle Quad Port 10GBase-T Adapter
11	PCIe card slot 6: filler panel
12	PCIe card slot 7: filler panel
13	PCIe card slot 8: filler panel, or 3rd optional Oracle Dual Port 25Gb Ethernet Adapter or Oracle Quad Port 10GBase-T Adapter
14	PCIe card slot 9: provides two SAS3 connectors used to connect the servers to the storage shelf and the storage expansion shelf
15	Locate LED (white)
16	100/1000Base-T network interface port with RJ-45 connector: NET 0
17	NET MGT port: 10/100/1000Base-T network interface port with RJ-45 connector used to connect to the Oracle ILOM service processor
18	USB 3.1 connector
19	System status indicators: Service Required LED (amber), Power/OK LED (green)
20	SER MGT port: RJ-45 serial port used to connect to the Oracle ILOM service processor