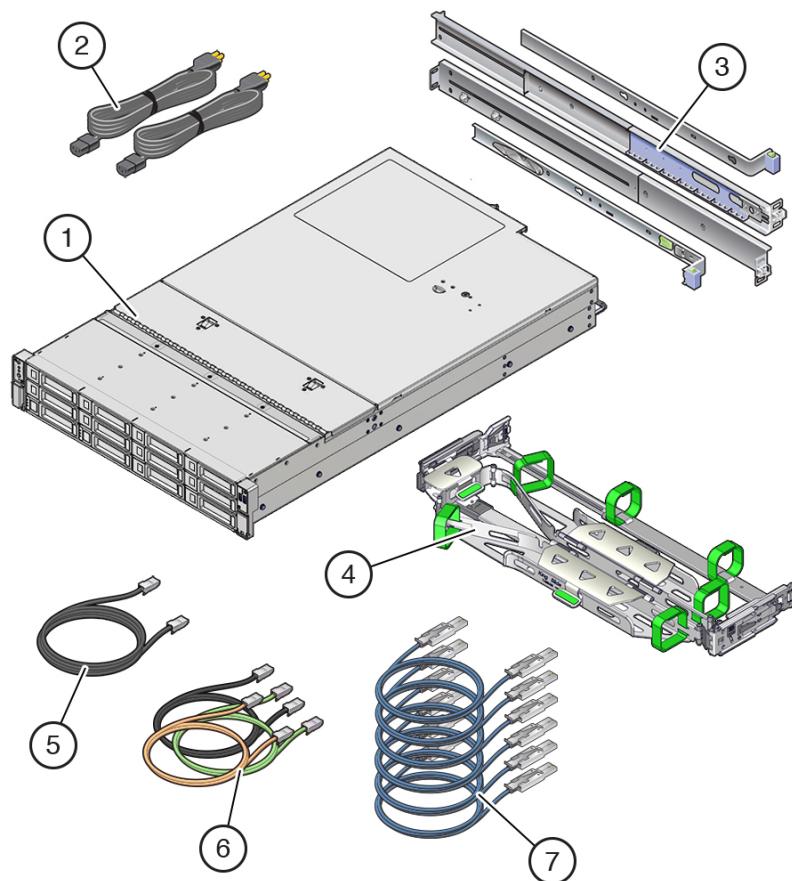


Oracle ZFS Storage ZS7-2 Getting Started Guide

E93300-04

November 2022

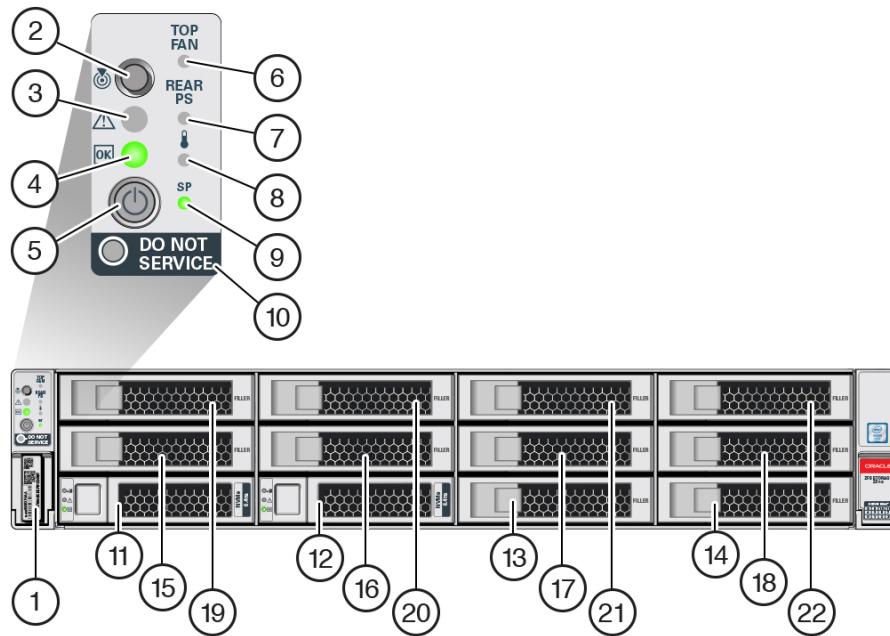
Contents



1 Oracle ZFS Storage ZS7-2 controller	2 Two power cords	3 Slide rail kit
4 Cable management arm	5 One 6-meter Ethernet cable (black)	6 Three 2.5-meter Ethernet cables (black, yellow, green)

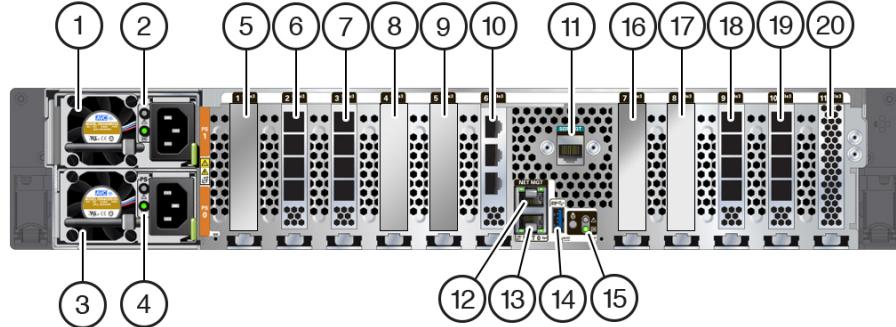
7 Up to eight (mid-range model) or up to sixteen (high-end model) 3-meter or 6-meter **active optical SAS** cables (blue). Length and quantity per customer request, and sold separately.

Front Panel Components



1 RFID tag	2 System status LED: Locator (white)	3 System status LED: Service Action Required (amber)
4 System status LED: Power/OK (green)	5 Power button	6 Fan service action required (amber)
7 Power Supply (PS) service action required (amber)	8 Over-temperature warning (amber)	9 Service Processor (SP) OK (green)
10 Do Not Service indicator	11 System disk 0	12 System disk 1
13 Filler panel	14 Filler panel	15 Filler panel
16 Filler panel	17 Filler panel	18 Filler panel
19 Filler panel	20 Filler panel	21 Filler panel
22 Filler panel		

Back Panel Components



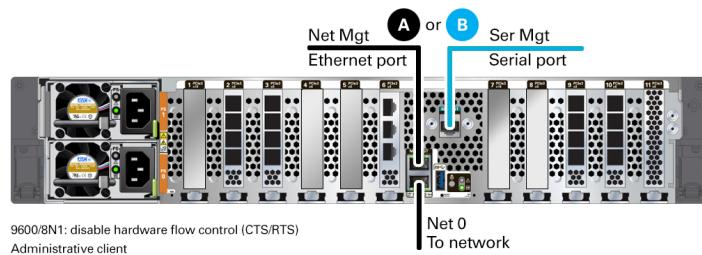
1 Power Supply Unit (PSU) 1	2 PSU 1 status indicators (top to bottom): <ul style="list-style-type: none">• Attention (amber)• Power/OK (green)	3 PSU 0
4 PSU 0 status indicators (top to bottom): <ul style="list-style-type: none">• Attention (amber)• Power/OK (green)	5 Fifth PCIe option (slot 1)	6 External SAS-3 HBA (slot2)
7 Slot 3: <ul style="list-style-type: none">• High-end model: External SAS-3 HBA• Mid-range model: Filler panel	8 First PCIe option (slot 4)	9 Third PCIe option (slot 5)
10 Cluster interface card (slot 6)	11 Serial management (SER MGT) RJ-45 serial port	12 Service Processor (SP) NET MGT port
13 Network (NET) 100/1000BASE-T RJ-45 Gigabit Ethernet (GbE) port: NET 0	14 USB 3.0 port	15 System status LEDs: <ul style="list-style-type: none">• Locate (white) - left• Attention (amber) - right, top• Power/OK (green) - right, bottom
16 Fourth PCIe option (slot 7)	17 Second PCIe option (slot 8)	18 Slot 9: <ul style="list-style-type: none">• High-end model: External SAS-3 HBA• Mid-range model: Filler panel
19 External SAS-3 HBA (slot 10)	20 Internal SAS-3 HBA (slot 11)	

Install the Hardware

For detailed information, see the *Oracle ZFS Storage Appliance Installation Guide* available from <https://docs.oracle.com/en/storage>.

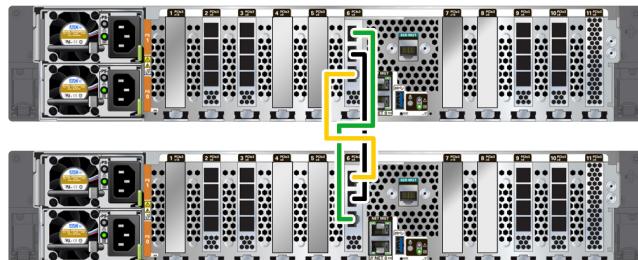
Connect System Cables

For detailed information, see the *Oracle ZFS Storage Appliance Installation Guide* available from <https://docs.oracle.com/en/storage>. If you have clustered controllers, connect the cables to both controllers. Do not connect power cables to the controllers or disk shelves until instructed to do so in "Power On and Configure the System." The following illustration shows an Oracle ZFS Storage ZS7-2 high-end model.



Connect Clustered Controllers

If you have clustered controllers, connect the two controllers together. For detailed information, see the *Oracle ZFS Storage Appliance Cabling Guide* available from <https://docs.oracle.com/en/storage>.

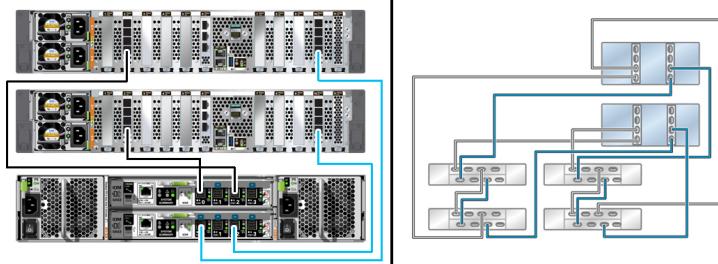


Connect Disk Shelves

The following illustration shows clustered controllers connected to an Oracle Storage Drive Enclosure DE3-24P (left panel), and connected to four Oracle Storage Drive Enclosure DE3-24x disk shelves (right panel). For additional configuration options, see *Oracle ZFS Storage Appliance Cabling Guide* available from <https://docs.oracle.com/en/storage>. Do not connect power cables to disk shelves or controllers until instructed to do so in "Power On and Configure the System."

⚠ Caution:

Use **active optical cables (AOCs)** to connect Oracle ZFS Storage ZS7-2 external SAS-3 HBAs to Oracle Storage Drive Enclosure DE3-24x disk shelves. Use copper cables to connect disk shelves to each other, and to connect the controller to Oracle Storage Drive Enclosure DE2-24x disk shelves.

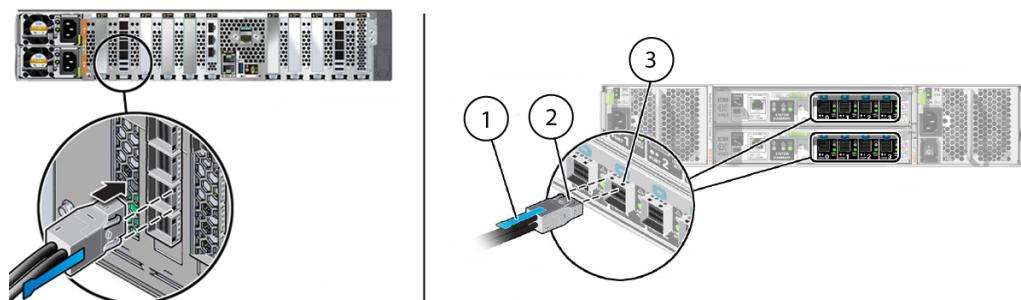


⚠ Caution:

Attaching an AOC cable in the wrong orientation at the controller HBA damages the port connector, and the disk shelf will not function properly.

The following procedure connects an AOC cable to the controller and to an Oracle Storage Drive Enclosure DE3-24P disk shelf. For additional information, see *Oracle ZFS Storage Appliance Cabling Guide* available from <https://docs.oracle.com/en/storage>.

1. Facing the controller HBA, position the cable's release tab to the right (left panel) for the controller end, and to the top for the disk shelf end (#1 in right panel).
2. Insert the cable connectors into the appropriate ports, aligning the cable connector latches (#2 in right panel) with the port latch receiver holes (#3 in right panel). Ensure the latches engage with the receiver holes.



Power On and Configure the System

Required information: Network host name and port of your serial connection, or network management port DHCP-assigned address. Connect disk shelf power cables, power on disk shelves, connect controller power cables, power on controllers, and configure the system as described in the *Oracle ZFS Storage Appliance Installation Guide* available from <https://docs.oracle.com/en/storage>.

Perform Initial Configuration

For detailed information, see the *Oracle ZFS Storage Appliance Installation Guide* available from <https://docs.oracle.com/en/storage>, including properly configuring management interfaces and updating controller software.

Product Documentation Library

Documentation for this product is available in the storage section of the Oracle Help Center, located at <https://docs.oracle.com/en/storage>.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

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