

Chassis Replacement Instructions

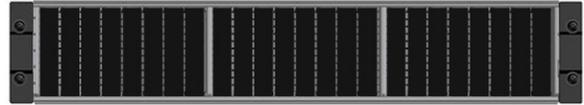
This document describes how to remove and replace the chassis of a SnapSAN S3000/S5000 disk array or a SnapSAN Expansion unit from Overland Storage. This document covers the 2.5- and 3.5-inch drives versions for both chassis types.

WARNING: To reduce the risk of electric shock or damage to equipment, always remove any power cords while working with the unit.

AVERTISSEMENT: Pour réduire le risque de choc électrique ou endommagement de l'équipement, retirez toujours les cordons électriques en travaillant avec l'appareil.

CAUTION: While working with the unit, observe standard Electrostatic Discharge (ESD) precautions to prevent damage to micro-circuitry or static-sensitive devices.

2.5-inch Drive Chassis



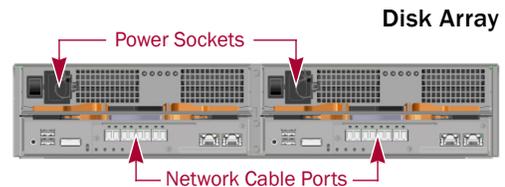
3.5-inch Drive Chassis



Prepare the Unit

Power Off and Disconnect

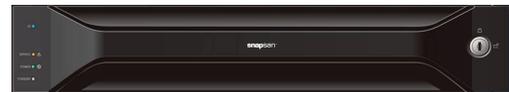
1. Perform a **normal shutdown** of the disk array or expansion.
2. When all the LEDs are off, release the power cord clamp and disconnect the **power cords**.
3. Disconnect all **network cables** from the unit.



Remove the Bezel

If the optional full bezel has been installed, remove it:

1. If locked, **unlock** the bezel by turning the **key** clockwise to the horizontal position.
2. Pull the **right** side towards you by pivoting the left side, detach the left side hooks, and set the bezel aside.



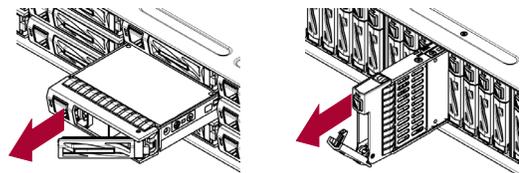
Remove Disk Drives

Overland recommends that you remove the drive assemblies to lessen the unit's weight prior to removal.

CAUTION: Be sure to label the drives as you remove them so they are returned to the same slot in the new chassis. This is necessary due to critical metadata stored on the system disks.

NOTE: Do not remove the disk drives from their carriers. Doing so voids the drive warranty.

1. At a drive assembly, press the release **button**.
2. Using the **handle**, pull the assembly out and set aside.
3. Repeat **Steps 1–2** for **all** remaining drive assemblies.

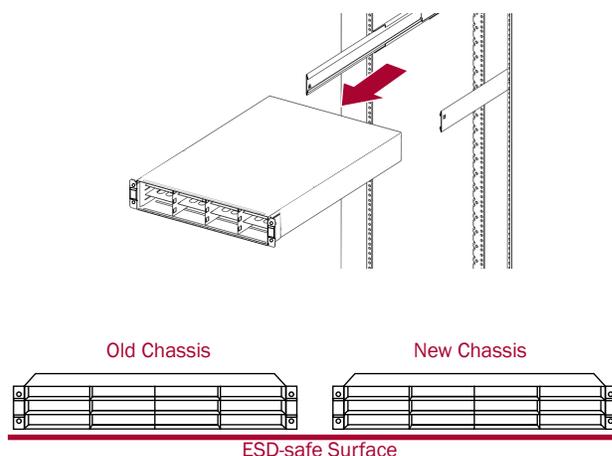


Remove Unit from Rack

WARNING: It is recommended that a mechanical lifter (or at least two people) be used during rack installation or removal to prevent injury.

AVERTISSEMENT: Pour éviter toute blessure il est recommandé qu'un monte-charge (ou deux personnes au moins) soit utilisé lors de l'installation ou de l'enlèvement du support.

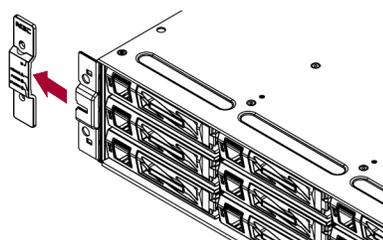
1. Release and retain the **four screws** on the front flanges.
2. Slide the **chassis** out onto the lifter.
3. Move the chassis onto a secure **ESD-safe surface**.
4. Unpack the **new chassis** and place it next to the old chassis.



Transfer Components

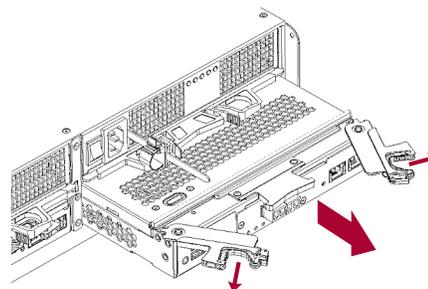
Move the Front Bezel Ears/Clips

1. Remove the **left ear** or **connector clip** from the left flange of the old chassis.
Bend the top and bottom edges out slightly to release the locking pins.
2. Slide the left ear/clip onto the left flange on the **new chassis**.
3. Repeat [Steps 1–2](#) for the **right ear/clip**.



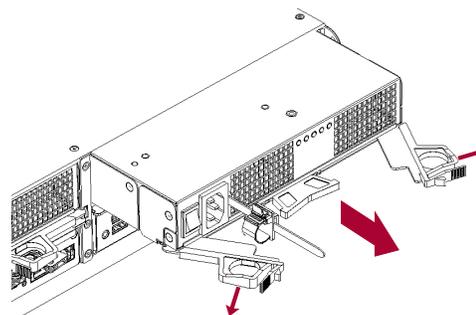
Move Controllers/Adapters/Blank Modules

1. Press to release the **locks** on the ejectors of the module.
2. Pull the **ejectors** forward, opening them outward.
3. Holding the ejectors in both hands, pull the **module** out horizontally.
4. Slide the module into the same bay of the **new chassis**, and push it in until it makes contact.
5. Close both **ejectors** until they lock, securing the module.
6. Repeat steps [Steps 1–5](#) for the **remaining module**.



Move the Power Supplies

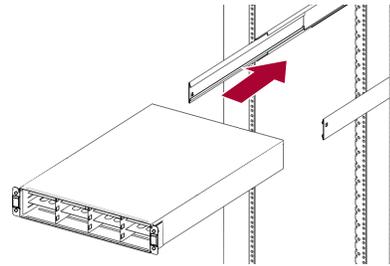
1. Press to release the **locks** on the ejectors of a power supply.
2. Pull the **ejectors** forward, opening them outward.
3. Holding the ejectors in both hands, pull the **power supply** out horizontally.
4. Slide the power supply into the same bay of the **new chassis** until it makes contact.
5. Close both **ejectors** until they lock, securing the module.
6. Repeat steps [Steps 1–5](#) for the **remaining power supply**.



Install New Chassis in Rack

Install the Chassis

1. Using the mechanical lifter, position the **new chassis** in front of the rails.
2. Slide the chassis all the way in until the **flanges** contact the rack.
3. Using the **four retained screws** in the flanges, secure the chassis to the rack.



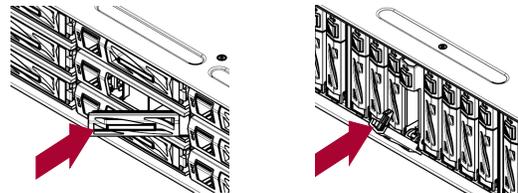
Insert Drives

CAUTION: Be sure to install the drives into the same slot that they occupied in the old chassis.

With the chassis in the rack, install drives as follows:

1. Position a drive assembly in front of an **empty slot**.
2. Slide the **assembly** in until it stops.
3. Push the handle in until the **latch** clicks (locks).
4. Repeat [Steps 1–3](#) for remaining **assemblies**.

IMPORTANT: To maintain proper airflow and cooling, a drive assembly or a blank drive carrier must be installed in every slot. No empty slots are allowed.



Reattach the Bezel

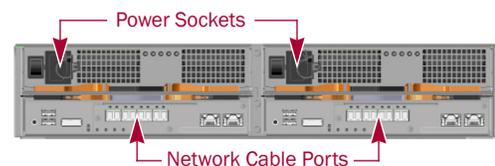
If the optional full bezel was removed, reattach it:

1. Catch the **left side** of the front bezel on the left ear flange connector clip.
2. Push in the **right side** until it catches.
3. Lock the bezel by turning the **key** counterclockwise to the vertical position.



Attach Cables and Power Cords

1. Reattach the **network cables** to the same connections previously used.
2. Attach the **power cords** and secure them with the cord clamps.
3. Press a controller **power switch** to power the unit ON.



Complete the Exchange

Validate the System

Log into the embedded SnapSAN Manager and verify the connections and settings are correct, and all attached expansion units can be seen.

Check the LEDs on the array for flashing lights that may indicate errors.

If there are any problems, contact Overland Technical Support:

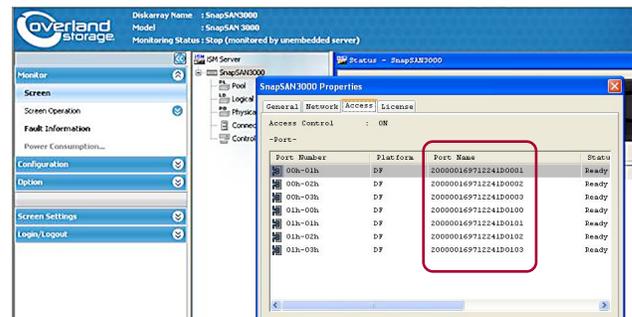
<http://docs.overlandstorage.com/support>



Rezoning the SnapSAN for Fibre

For a disk array that is part of a fabric (Fibre Channel) environment, when a chassis is replaced, the World Wide Name (WWN) address changes and it must be rezoned:

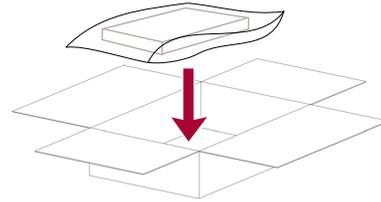
1. Log into the embedded **SnapSAN Manager**.
2. On the Monitor page, right-click the SnapSAN **name** and select the **Properties** option.
3. Under the Access tab, locate and note all the **Port Names** associated with the array.
4. Rezone **each of the ports** back into the fabric.



Return Old Chassis to Overland

For return shipping instructions and RMA number, go to:
<http://docs.overlandstorage.com/return-instructions>.

1. Place the **old chassis** in the anti-static bag and put it in the replacement part's box.
Verify that the packaging materials were reinstalled correctly to prevent damage during shipping.
2. Follow the RMA instructions to return the part to **Overland Storage**.



<http://support.overlandstorage.com>

You can get additional technical support on the Internet at the **Overland Storage Support web page**, or by contacting Overland Storage using the information found on the **Contact Us** page on our web site.