

Chassis Replacement Instructions

This document describes how to replace a chassis in a SnapServer XSR 40 from Overland Storage.

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

WARNUNG: Um das Risiko eines elektrischen Schlags oder Schäden am Gerät zu vermeiden, ziehen Sie stets den Netzstecker, bevor Sie an der Einheit arbeiten.

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.

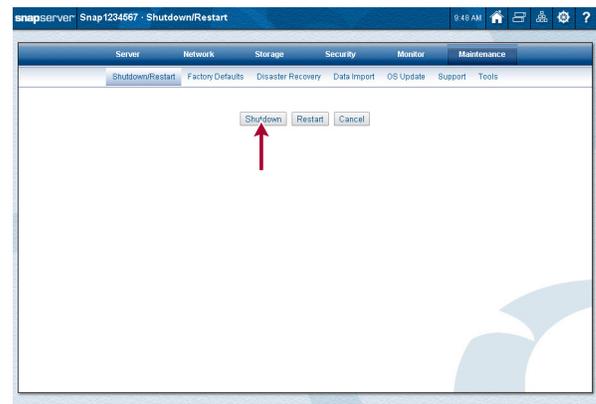


Prepare the Unit

Power Off and Disconnect

If the unit is still running, power it down cleanly:

1. Use the Web Management Interface to shut down the server (**Maintenance > Reboot and Shutdown > Shutdown**).
2. When all the LEDs are off, disconnect the **power cords**.
3. Disconnect the remaining cables from the unit.



Remove the Front Bezel

1. Carefully take hold of the front bezel by the **right and left flanges** and pull straight out from the appliance until the retaining clips release.
2. Set the **bezel** aside on a secure surface.



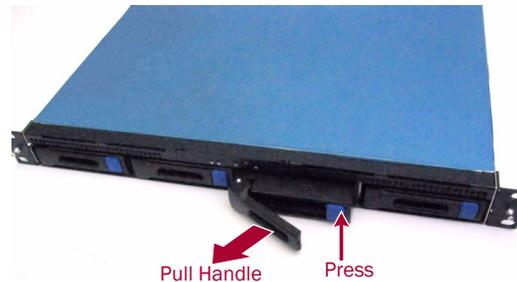
Remove the Drives

 **IMPORTANT:** Overland recommends that you remove the disk drives to reduce the unit's weight prior to removal. They must be replaced in the same drive bays when done.

Remove all the drive and blank carriers, and note from which bay each was removed.

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

1. Press the release **button** on the right side of the carrier.
2. Using the built-in **handle**, pull the carrier out.
3. Number the **carrier** and set it on a secure surface
4. Repeat **Steps 1–3** for **all** the remaining carriers.

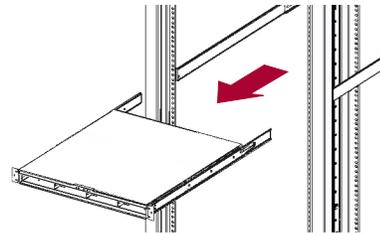


Remove Unit from Rack

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

WARNUNG: Um Verletzungen zu vermeiden, empfehlen wir zur Rack-Installation oder -Deinstallation die Nutzung einer mechanischen Hebehilfe (oder mindestens zwei Personen).

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. Based on the mounting system, carefully remove the **appliance** from the rack as follows:
 - **Fixed brackets:** With a lifter positioned in front of the array, release the four **screws** and the **slip nuts** from the front flanges, and slide the **chassis** out onto the lifter.
 - **Sliding rails:** With a lifter positioned in front of the array, release the **screws**, release the rail locks, and slide the **chassis** out onto the lifter.
2. Move the chassis onto a **secure surface**.
3. Unpack the **new chassis** and place it next to the old one.



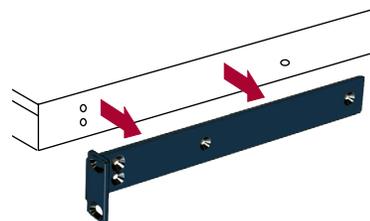
Transfer Components

Move Fixed Brackets

If the fixed brackets have been replaced with the optional sliding rail kit, skip to “[Move Inner Sliding Rails](#).”

1. Remove and retain the **screws** holding one of the brackets on the old chassis.
2. Position the bracket on the **new chassis**, and secure it with the **retained screws**.
3. Repeat **Steps 1–2**.

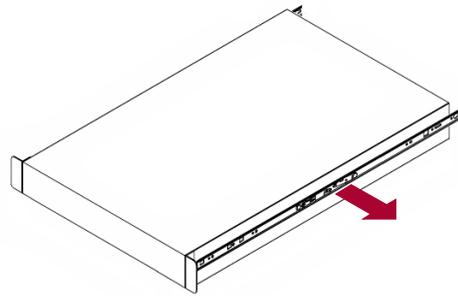
Continue with “[Remove Top Panel](#).”



Move Inner Sliding Rails

If the fixed brackets have been replaced with the optional sliding rail kit, the inside slide rail must be moved to the new chassis.

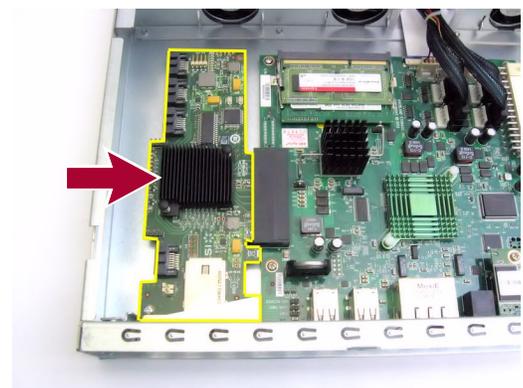
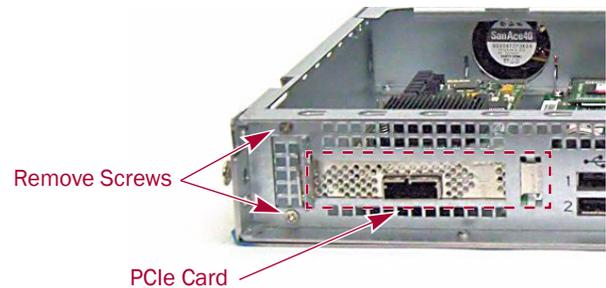
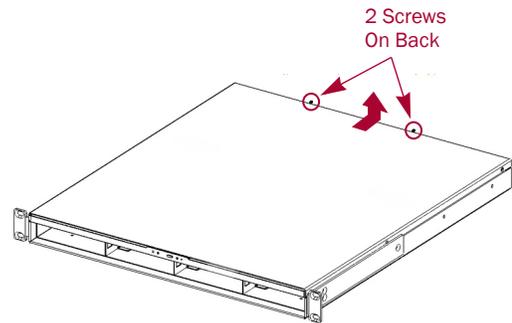
1. Remove and retain the **screws** securing one of the rails to the **old chassis**.
2. Position the rail on the **new chassis**, and secure it with the **retained screws**.
3. Repeat [Steps 1–2](#) for the **other rail assembly**.



Move the Optional PCIe Card

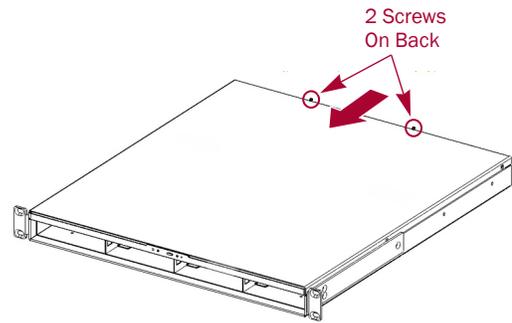
If a PCIe card was installed, it must be transferred from the old chassis to the new chassis. If no PCIe card was installed, skip to [“Install New Chassis in Rack.”](#)

1. On the **new chassis**, loosen the **two captive screws** securing the top panel.
2. Slide the panel toward the rear about **one-half inch** (1.25cm), lift it off, and set aside.
3. Repeat [Steps 1–2](#) to remove the top panel from the **old chassis**.
4. In the **old chassis**, remove and retain the **two screws** securing the locking bracket to the PCIe card.
5. Repeat [Step 1](#) in the **new chassis**.
6. Remove the **PCIe card** from the **old chassis** by pulling it to the left to unseat it from the board slot and lift it out of the unit.
7. Seat the **PCIe card** on the board slot in the **new chassis** and secure with the locking bracket and retained screws.
8. Install the **slot cover** in the old chassis with the locking bracket and the retained screws.



Reinstall Top Panels

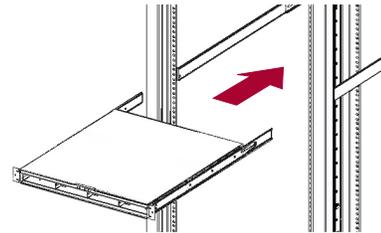
1. At the new chassis, position the top panel with no more than **one-half inch** (1.25cm) extending out over the rear of the unit.
2. Slide the panel **forward** until it is fully seated.
3. Using the **two captive screws**, secure the panel.
4. Repeat [Steps 1–3](#) for the **old chassis**.



Install New Chassis in Rack

Install the Chassis

1. Using the mechanical lifter, position the **new chassis** in front of the appliance's existing rack rails.
2. Based on the mounting system, carefully insert the unit into the rack and secure it:
 - **Fixed brackets:** Position the unit in the rack and use the **four retained screws**, including **slip nuts**, to secure the front flanges to the rack.
 - **Sliding rails:** Slide the rails on the side of the unit into the rack rails, slide the unit all the way to the rear, then secure the unit using the **four screws** on the front flanges.

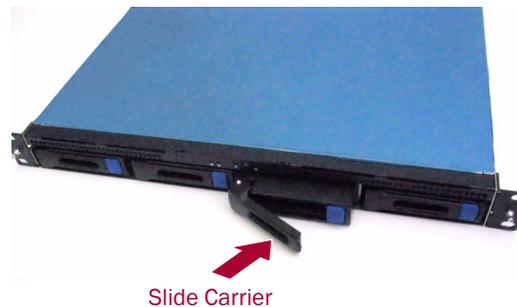


Reinstall the Drive Carriers

Return the drive assemblies back to their original bays.

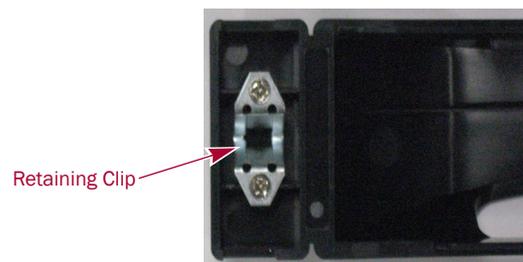
1. Position the **drive assembly** in front of its **bay**.
2. Slide it in until the **latch** closes, locking the assembly in the bay.
3. Repeat [Steps 1–2](#) for **each** remaining drive carrier.

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



Reattach the Bezel

1. Position the **bezel** with the top and bottom edges aligned with the slots on the front of the appliance.
2. Push the **bezel** onto the unit until the retaining clips latch and the **bezel** snaps into place.
3. Verify that the bezel is **aligned** properly and that all the LEDs are visible.



Reattach Cables and Power Cords

1. Reattach all **cables** to the same connections as before.
2. Attach the **power cord**.
3. At the front of the unit, press the **power switch** to power it ON.



Important – Read This Before Continuing

If the GuardianOS on the new chassis is different from the version on the disk drives, the appliance goes through a special initialization and synchronization process that can take up to **10 minutes** to complete. During this time, the Status LED flashes an alternating green and amber pattern.

CAUTION: Under no circumstances should power be removed while the system is in this state! Doing so may render the appliance inoperable.



Once initialization is complete, the system automatically reboots and the Status LED displays a solid green color. If the GuardianOS versions are the same on both the chassis and drives, the appliance boots normally.

Return Old Parts to Overland

1. Place the **old chassis** in the anti-static bag and put it in the replacement part's box.
2. Use the existing **packing materials** to secure it in the box.
3. Use an RMA to return the part to **Overland Storage**.
For return shipping details and RMA number, go to: <http://docs.overlandstorage.com/return-instructions>

