

Spare Sliding Rail Kit Instructions

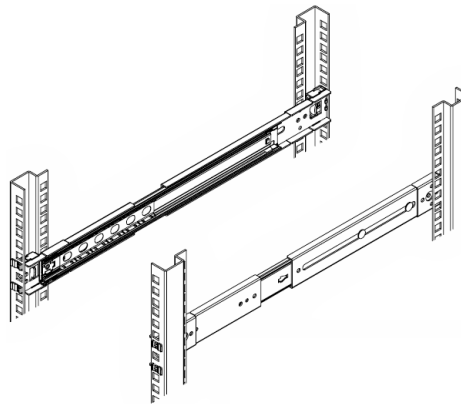
This document describes how to remove and replace the sliding rack rails for a SnapServer XSR 120, SnapExpansion XSR unit, or SnapScale X2 node from Overland Storage.

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:

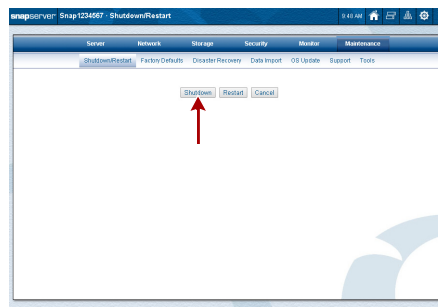
1. Power off the **server/cluster**:
 - **SnapServer:** Use the Web Management Interface to shut down the server (**Maintenance > Reboot and Shutdown > Shutdown**).
 - **SnapScale:** There are two power-off options available.
 - Shut off the **entire cluster** by using the Web Management Interface (**Maintenance > Shutdown/Restart > Shutdown**).

This is the recommended option. By shutting down the entire cluster, no peer sets will need to be rebuilt when it is reactivated. However, the cluster will be offline and unavailable during the repairs.

- Shut off just the **affected node** by briefly pressing the **Power button** on a node.

By shutting down only the node, the cluster remains online and active. However, some peer sets will be operating with either less (3x replication) or no (2x replication) redundancy while the node is down and afterwards when the peer sets are being rebuilt.

2. When all the LEDs are off, disconnect the **power cords**.
3. Disconnect the remaining **cables** from the unit, noting their locations.



Power Button

X2 Node



Power Sockets

Cable Ports

XSR 120



Remove the Front Bezel

1. Carefully take hold of the front **bezel** and pull it straight out from the appliance until the magnets release.
2. Set the bezel aside on a **secure surface**.



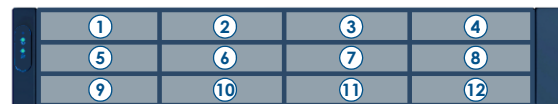
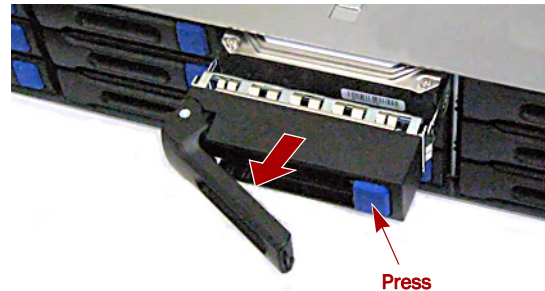
Remove the Drives

IMPORTANT: Overland recommends that you remove the disk drives to reduce the unit's weight prior to removal.

Remove **all** the drive carriers. For SnapScale, note from which bay they were removed. Blank carriers can remain in the bays.

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 drive carriers.



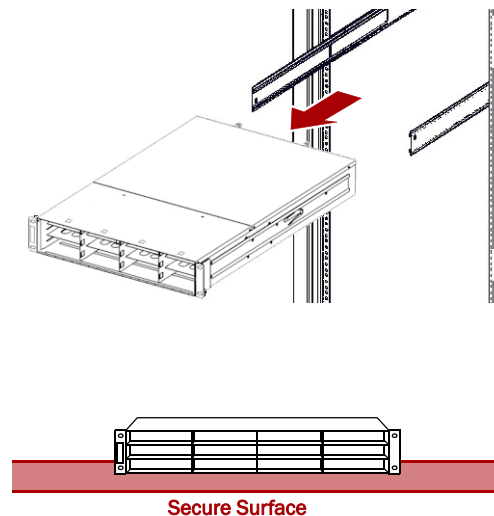
Remove Unit from Rack

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.

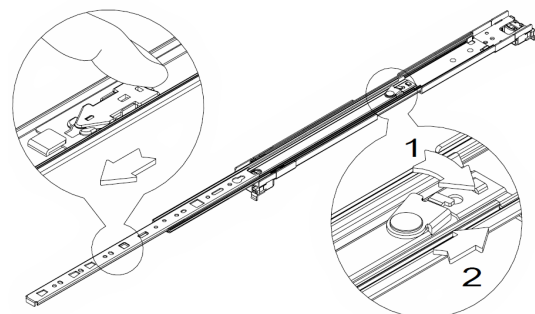
1. Remove and retain the **four screws** securing the unit to the rack.
2. With a lifter positioned in front of the array, release the rail locks and slide the **chassis** out onto the lifter.
3. Move the chassis onto a **secure surface**.



Replace the Rails

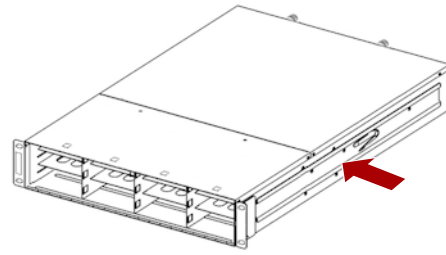
Prepare the Rails

1. Select a **new rail assembly** and slide the inner rail out until it stops.
2. Push the inner rail **release latch** forward and remove the inner rail.
3. To retract the **middle rail**, release the lock (1) and slide it back into (2) the outer rail.
4. Repeat [Steps 1–3](#) for the **other rail assembly**.
5. At the rack, remove the **existing rails**, making a note of their position.



Attach New Inner Rails to Unit

1. Remove and retain the **screws** securing the right rail to the chassis, and set the old rail aside.
2. Align the **new inner rail** against the right side with the front end toward the chassis front.
3. Using the supplied **screws**, secure the rail.
4. Repeat [Steps 1–3](#) for the **left side rail**.

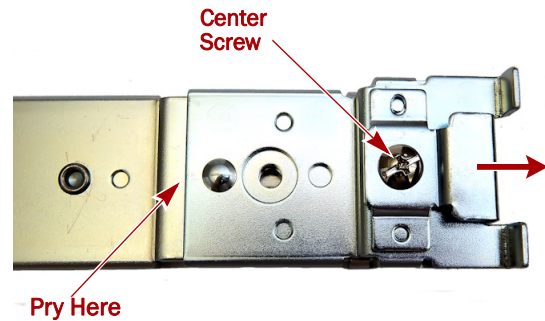


Optional Steps for Thicker Rack Rails

NOTE: For rack rail sizes of less than 3mm, skip this procedure and proceed to “[Attach Outer Rails to Square-holed Rack](#).”

For rack rails **thicker than 3mm**, the sliding rail anchors cannot be seated without exerting extreme force and potentially damaging the sliding rail kit. The brackets need to be removed from each end of the slide rails to make the anchors seat securely.

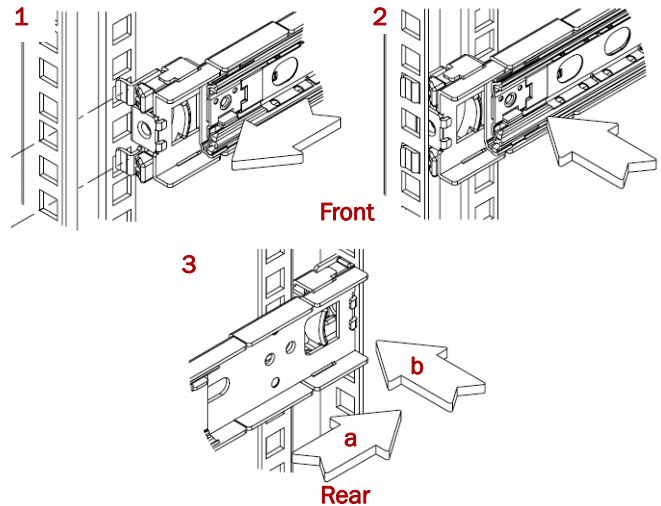
1. Locate the **bracket** on the end of a slide rail.
2. Remove the **center screw** securing the bracket.
3. Push the **bracket** toward the end of the rail, prying the back of the **bracket** upward to unseat and remove it.
4. Repeat [Steps 1–3](#) for the **other end** of the rail.
5. Repeat [Steps 1–4](#) for the **other rail**.



Attach Outer Rails to Square-holed Rack

NOTE: The new rails should be attached to the same front and back vertical rack holes that the old rails used.

1. Position the front of one of the **rails** inside and in line with the front vertical rail mounting holes (1).
2. Move the rail forward until the **rail anchors** are through the holes.
3. Push the rail toward the **outside of the rack** (2) until the rail locks snap into place.
4. At the **rear** (3), slide the outer rail in or out to fit between the vertical rails (a) and repeat [Steps 1–3](#) to secure it (b).



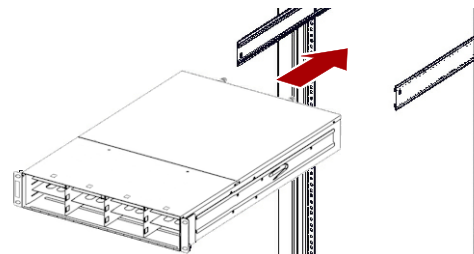
NOTE: Make sure the rear holes are the same height as the front holes so the rail is level. For 3mm or thicker racks, use the supplied two screws to secure the rail rear ends to the rack.

5. Repeat [Steps 1–4](#) for the **other rail**.

Reassemble the Unit


Return Chassis to Rack

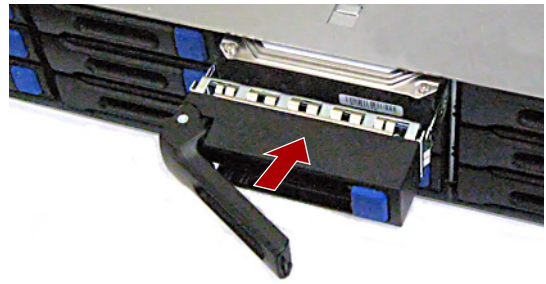
1. Slide out the **middle rails** from the rack.
2. Using the mechanical lifter, position the **chassis** in front of the rack.
3. Insert the **inner rails** into the **middle rails** and slide the unit into the rack.
4. Using the **four retained screws**, secure the unit.



Reinstall Drives

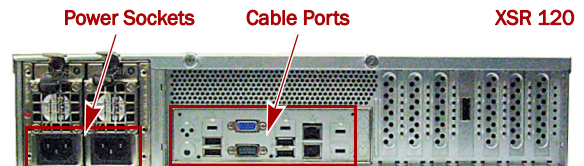
1. Position a **drive assembly** in front of its empty **bay**.
For SnapScale, they must be returned to the bay they were removed from. Refer to the number on the assembly.
2. Slide the assembly in until the **latch** clicks, securing it.
3. Repeat **Steps 1–2** for **all** remaining drive carriers.

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



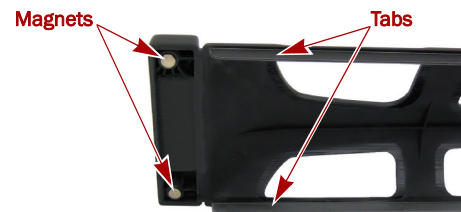
Reattach Cables and Power Cords

1. Reattach all **cables** to the same connections as before.
2. Attach the **power cords**.
3. At the front of the unit, press the **power switch** for less than a second to power the unit ON.



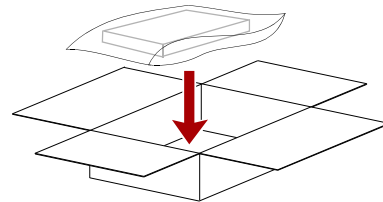
Reattach the Bezel

1. Position the **bezel** with the tabs aligned **inside** the top and bottom edges of the chassis.
2. Move bezel toward the unit until the **magnets** connect.
3. Verify that the bezel is **aligned** properly, all the LEDs are visible, and the Power panel is centered in the left flange.



Return Replaced Parts to Overland

1. Place the **old rails** in the packing bag and put them in the replacement part's box.
2. 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>



<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.