Add-on/Spare PCIe Card Instructions

This document describes how to add or replace a PCIe card in a SnapServer XSR 120 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.

Register Add-on PCIe Card

NOTE: If you are only replacing an existing PCIe card, skip to the next section, "Prepare the Unit."

When **adding** a PCIe card to your server, you must first register it to activate the warranty. Technical and warranty support are **not available** until this is done:

1. Go to the **Overland Storage** website (http://www.overlandstorage.com/).
2. Select **Service & Support > My Products**.
3. At the Site Login, enter your **e-mail address** and **password**, and click **GO**.
4. Click the **Manage Products** button.
5. From the Product Selector drop-down list, select the XSR 120 in which you are installing the PCIe card.
6. Click **Add a Component**.
7. Enter the **PCIe card information**.
8. Click **Save & Exit**.

➡️ **IMPORTANT:** Your warranty certificate will be emailed to you. Follow the instructions included to complete the process.

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, noting their locations.

Remove the Front Bezel

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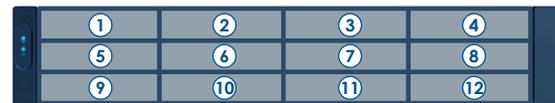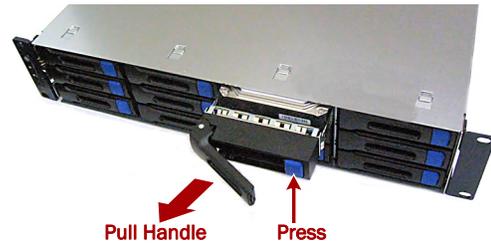
2. Set the bezel aside on a **secure surface**.

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, noting from which slot they were removed. Blank carriers can remain in their 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.

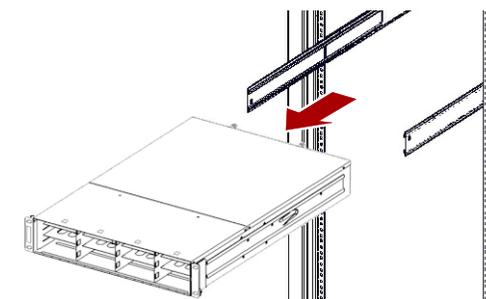4. Repeat Steps 1–3 for **all** the remaining drive carriers.

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.
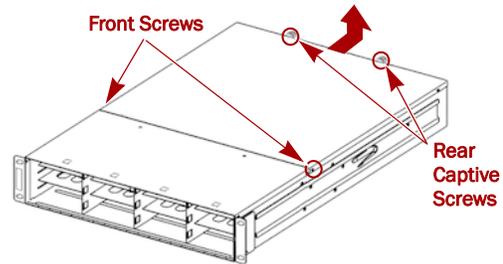
1. Remove and retain the **four screws** securing the unit to the rack.

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**.

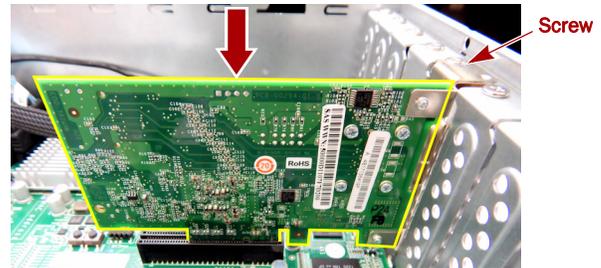# Install PCIe Cards

Remove Top Panels

1. Remove and retain the **two screws** located at the front edge of the panel.

2. Loosen the **two captive screws** securing the panel rear.

3. Slide the panel toward the rear about **one-half inch** (1.25cm), lift it off, and set aside.
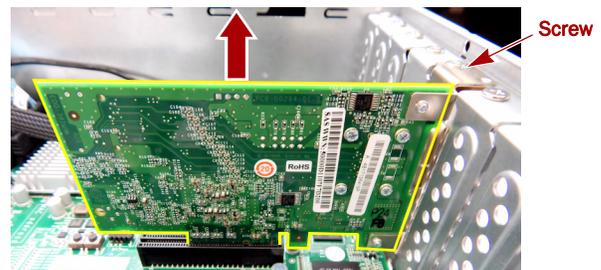
Add a New PCIe Card

NOTE: If you are only replacing an existing PCIe card, skip to the next section, "Replace a PCIe Card."

1. Remove and retain the **rear slot cover and screw** from an appropriate PCIe card slot.

2. Insert the **PCIe card** in the slot and seat it properly.

3. Secure it with the **retained slot cover screw**.
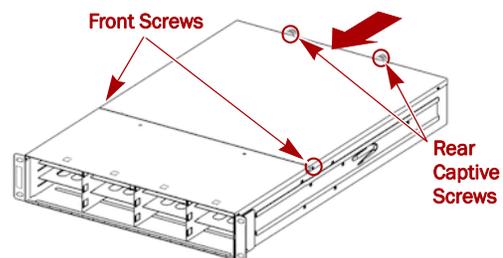
Replace a PCIe Card

1. Remove and retain the **slot cover screw** of the PCIe card being replaced.

2. Grasp the **PCIe card** and carefully pull it straight up and out of the chassis slot.

   Set the PCIe card aside on an ESD-safe surface.

3. Insert the **new PCIe card** in the same slot and secure it with the retained slot cover screw.
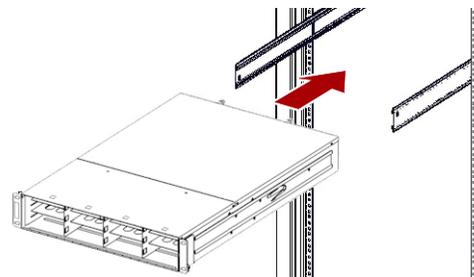
Reassemble the Unit

Reinstall Top Panel

1. 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 rear.

4. Using the **two retained screws**, secure the panel front.

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 SnapServer to the front of the rack.

Reinstall Drives

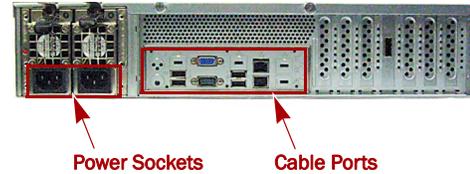Return the drive carriers to the same drive bays:

1. Referring to the numbering, position a **drive assembly** in front of its empty **bay** in the new chassis.

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.
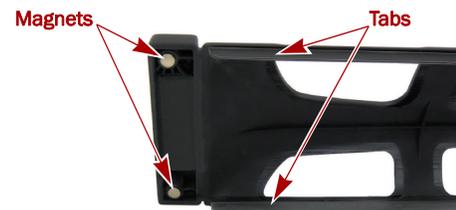
Push In Using Handle

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.

Power Sockets   **Cable Ports**

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.

Magnets   **Tabs**

Return Replaced Parts to Overland

1. Place the **replaced part** in the anti-static bag and put it 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