

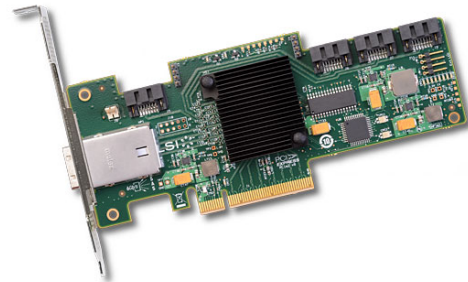
Add-on/Spare PCIe Card Instructions

This document describes how to add a PCIe card to or remove and replace an existing PCIe card in a SnapServer DX1 or DX2 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 the Add-on Card

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

When **adding** an additional 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 DX1 or DX2 in which you are installing the extra card.
6. Click **Add a Component**.
7. Enter the PCIe card **information**.
8. Click **Save & Exit**.

IMPORTANT: You'll receive a confirmation e-mail from Overland with instructions on how to complete the registration process.

E-mail:

Password:

Remember Me

GO >

[Forgot your password?](#) [New member?](#)

MY PRODUCTS **MY SUPPORT REQUESTS** MY RMAS

Register New Manage Products

Products Found: 2 Register New Product 2

Product Selector: 5325301507-SnapServer DX2, s/n: QC53

Note: The All Product Families option does not display software products. :

Actions:

Create a Support Request

Manage Product

Add a Component

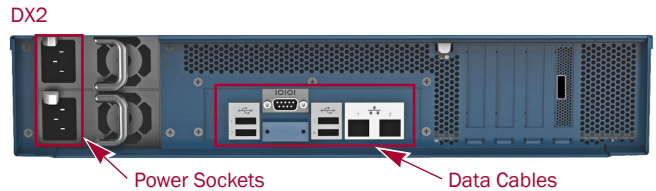
Renew Warranty



Prepare the Unit

Power Off and Disconnect

1. Power off the unit using **Web Management Interface**.
Select **System Maintenance > Reboot and Shutdown > Shutdown**.
2. When all the LEDs are off, disconnect the **power cord(s)**.
3. Disconnect all **data cables** from the unit.



Remove the Bezel

Carefully take hold of the front bezel and pull straight out from the appliance until the magnets release. Set it aside.



Remove the Drives

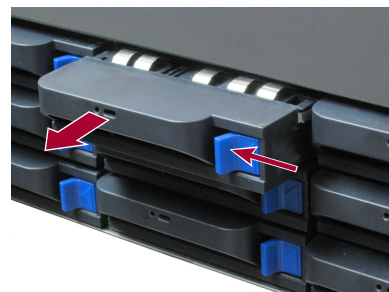
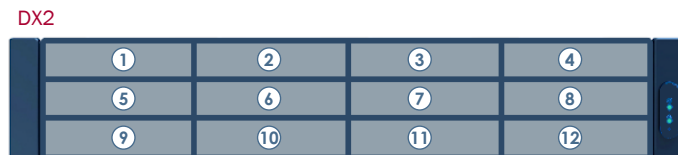
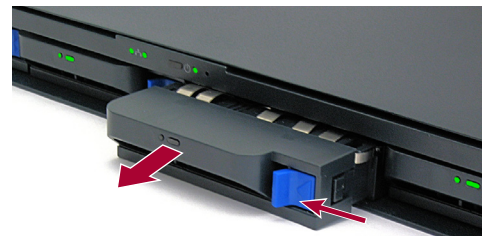
Remove all the drive and blank carriers, and note from which bay each was removed.

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

→ 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.

This process applies to both drive assemblies and blanks:

1. Press the release **button** on the right side of the carrier.
2. Using the **handle**, pull the assembly out.
3. Set the **assembly** on an ESD-safe surface.
4. Repeat **Steps 1–3** for **each** remaining carrier.



Remove Unit from Rack

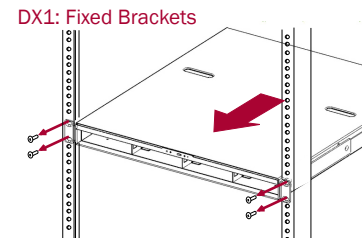
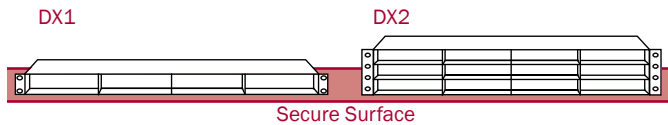


WARNING: It is recommended that a mechanical lifter (or at least two people) be used during rack installation or removal to prevent injury.

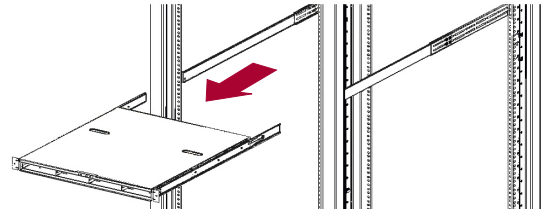
WARNUNG: Um Verletzungen zu vermeiden, empfehlen wir zur Rack-Installation oder -Deinstallation die Nutzung einer mechanischen Hebehilfe (oder mindestens zwei Personen).

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.

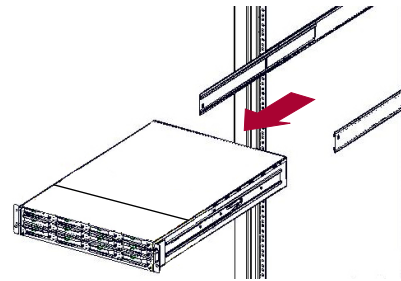
- Based on the mounting system, carefully remove the **appliance** from the rack as follows:
 - DX1 with fixed brackets** – Remove and retain the **four screws** from the front flanges and move the unit onto the lifter.
 - DX2 and DX1 with sliding rails** – Release the two **captive screws**, slide the unit out until it stops, release the rail locks, and slide the unit out and onto the lifter.
- Move the unit onto a secure **surface**.



DX1: Sliding Rails



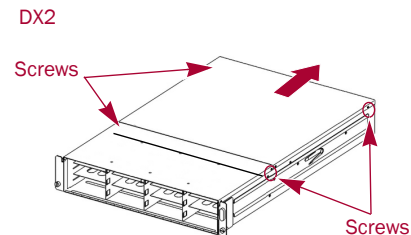
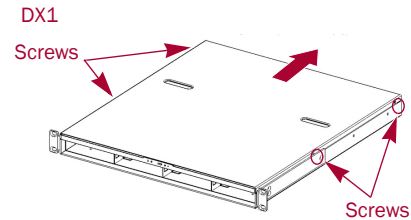
DX2: Sliding Rails



Install/Swap PCIe Cards

Remove Top Panel

- Remove and retain the **four screws** holding the top rear panel.
- Slide the top panel toward the rear no more than **one-half inch (1.25cm)** and lift it off.



Replace PCIe Card

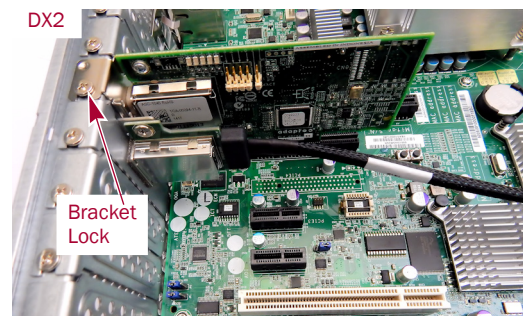
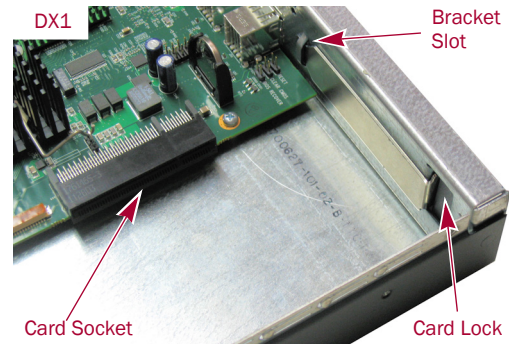
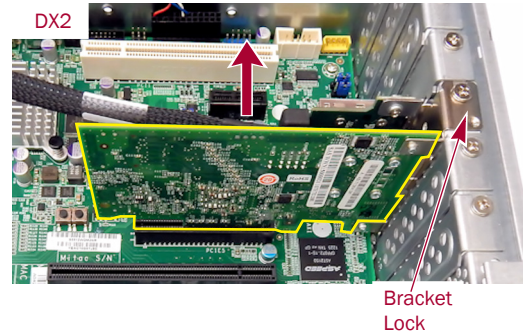
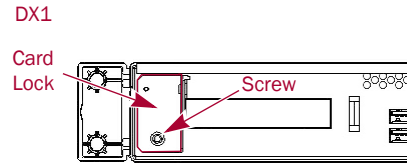
NOTE: If you are only installing an additional card, go to “Install a New PCIe Card.”

1. Release the **bracket lock** holding the PCIe card in place:
 - **DX1:** At the rear on the outside, remove and retain the **screw** holding the card bracket lock on the chassis. Set the lock aside.
 - **DX2:** At the rear (along the top of the rear wall), release and lift the **bracket lock** holding the PCIe cards in place.
2. Grasp the existing **PCIe card** and carefully pull it straight up out of the socket, and set it aside.
3. Insert the **new PCIe card**:
 - **DX1:** Insert the **new PCIe card** into the motherboard socket positioning the cover bracket in the bracket slot inside the rear.
 - **DX2:** Insert the **new PCIe card** into the same socket, positioning the cover bracket in the rear bracket slot.
4. Fold down and press the **bracket lock** until it clicks into place.
5. **Additional DX1 step:** On the backplate, use the **retained screw** to secure the bracket lock in place.

Continue with “Reinstall Top Cover.”

Install a New PCIe Card

1. Release the **bracket lock** holding the PCIe slot cover in place:
 - **DX1:** At the rear on the outside, remove and retain the **screw** holding the card bracket lock on the chassis.
 - **DX2:** At the rear (along the top of the rear wall), release and lift the **bracket lock** holding the PCIe slot cover in place.
2. Remove and retain the **PCIe bracket lock** from the chassis.
3. Insert the **new PCIe card** into the motherboard socket positioning the cover bracket in the bracket slot inside the rear.
4. **Additional DX1 step:** On the backplate, use the **retained screw** to secure the bracket lock in place.

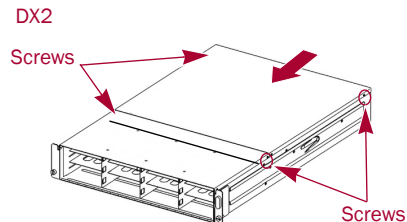
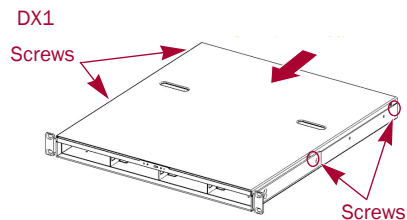


Reinstall Top Cover

1. Align the top panel over the unit with no more than **one-half inch (1.25cm)** extending out over the rear of the unit, and press it down onto the unit.

The front edge should be on the silver lip of the front.

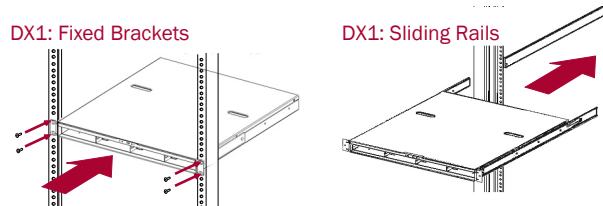
2. Slide the panel **forward** until it is fully seated.
3. Using the **four retained screws**, secure the panel.



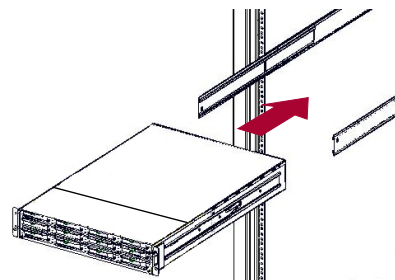
Reinstall in Rack

Reinstall the Chassis

1. For racks with **sliding rails**, pull the **middle rails** out of the rack.
2. Using the mechanical lifter, position the **appliance** in front of the rack.
3. 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** to secure the front flanges to the rack.
 - **Sliding rails** – Slide the rails on the side of the unit into the rack rails, slide it all the way to the rear, and secure the appliance using the **two captive screws**.




DX2: Sliding Rails

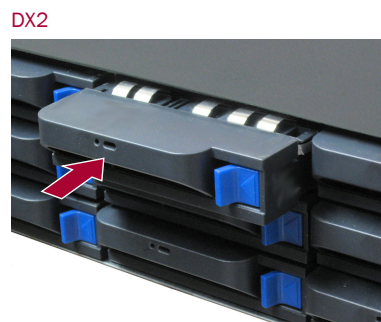


Reinstall Drives

All the drive and blank carriers must be returned to their original bays.

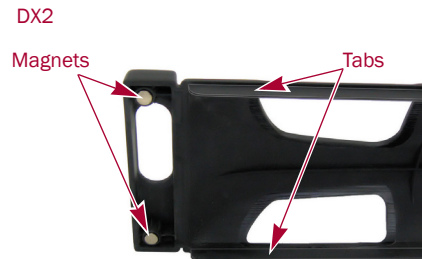
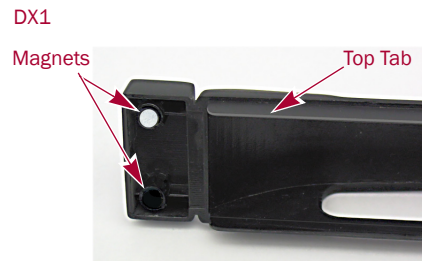
1. Position a **drive assembly** in front of its empty **bay**.
2. Slide the assembly in until the **latch** clicks, locking it in the bay.
3. Repeat [Steps 1–2](#) for **all** remaining drive carriers.

 **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.



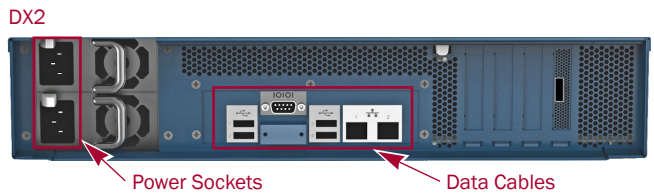
Attach the Bezel

1. Position the **bezel** with the top edge tabs aligned with the top bays located on the front of the appliance.
For the **DX2**, verify that the Power Panel on the right side is in line with the hole on the bezel flange.
2. Move the bezel toward the appliance until the **magnets** make contact.
3. Verify that the bezel is **aligned** properly and that all the LEDs are visible.



Attach Cables and Power Cords

1. Reattach **all the cables** (except power cords) to the same connections previously used.
2. Attach the **power cord(s)**.
3. At the front, press the **power switch** to power it on.



Return Old Parts to Overland

1. Place the **old part** 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>

