

Spare Chassis Instructions

This document describes how to remove and replace the chassis of a SnapServer DX1 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.

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

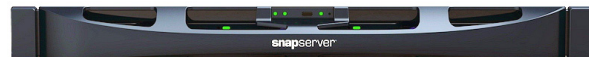
Power Off and Disconnect

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



Remove the Front Bezel

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

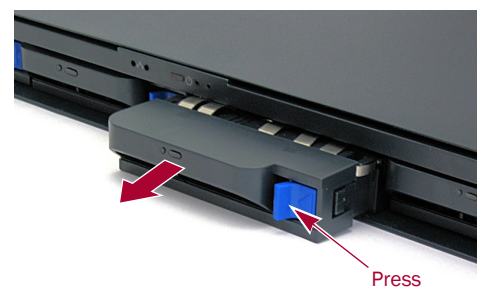


Remove the Drives

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

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 drive carrier out.
3. Set the **carrier** on a secure surface.
4. Repeat **Steps 1–3** for **all** the remaining drive carriers.

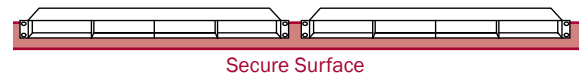
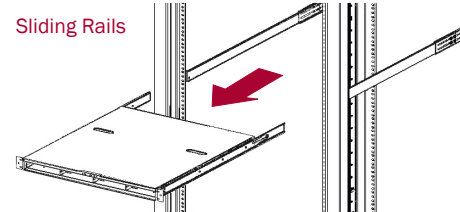
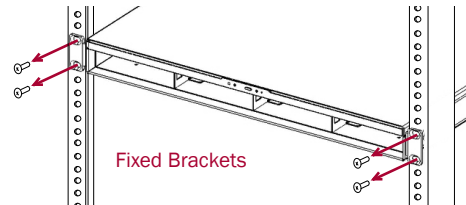


Remove Unit from Rack

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

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:
 - Fixed brackets** – Remove and retain the **four screws** from the front flanges and move the unit onto the lifter.
 - 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 old chassis onto a secure **surface**.
- Unpack the **new chassis** and place it next to the old one.



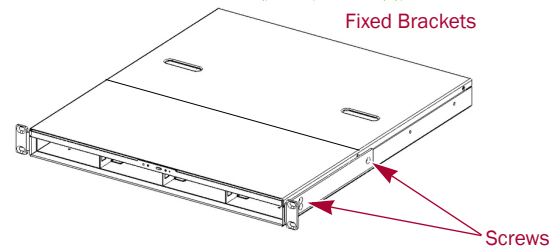
Transfer Components

Move Fixed Brackets

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

- Remove and retain the **three screws** holding one of the brackets on the old chassis.
- Position the bracket on the **new chassis**, and secure it with the **retained screws**.
- Repeat [Steps 1–2](#) for the **other bracket**.

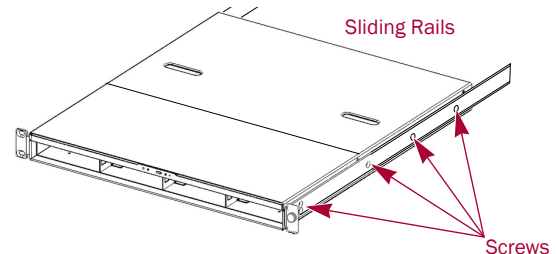
Continue with “[Remove Top Panel](#)”.



Move Inner Sliding Rails

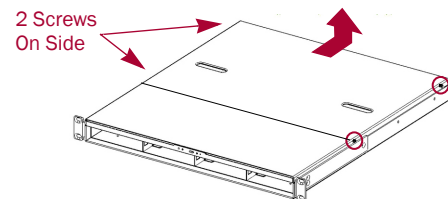
If you have previously replaced the fixed brackets with the optional slide rail kit, you need to move the inside slide rail to the new chassis:

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



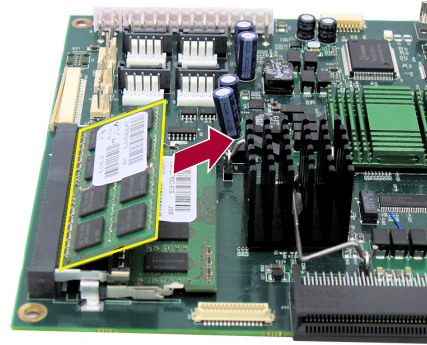
Remove Top Panel

- Remove and retain the **four screws** securing the top panel.
- Slide the panel toward the rear no more than **one-half inch** (1.25cm) and lift it off.
- Set the **top panel** on a secure surface.



Transfer the DIMMs

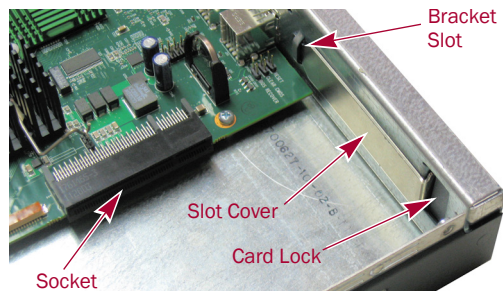
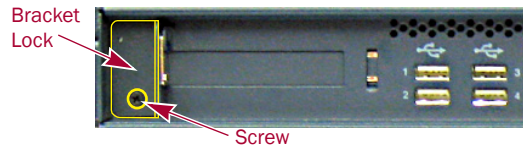
1. If two DIMMs installed, move the **top DIMM** first:
 - a. Press the side **latches** outward so that the DIMM pops up.
 - b. Grasp the DIMM on the **sides** and pull it out.
 - c. At the **new chassis**, align the DIMM bottom notch in the slot, and at a shallow angle, slide it into the slot.
 - d. Press down the **DIMM** until it locks into place.
2. To move the **bottom DIMM** to the new chassis, repeat [Step 1](#).
 - For a single DIMM, install it in the **bottom** slot.
 - For two DIMMs, install it in the **top** slot.



Transfer an Optional PCIe Card

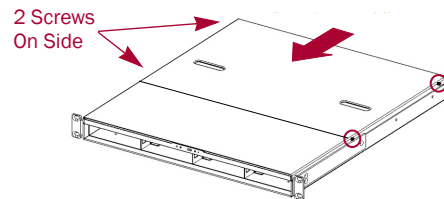
If a PCIe card has been added, move it to the new chassis:

1. At the rear on the outside of the **new** chassis, remove and retain the **screw** holding the card bracket lock on the chassis. Set the lock aside.
2. Slide the **slot cover** over and off. Set aside.
3. At the **old** chassis, remove the bracket lock.
4. Grasp the existing **PCIe card** and pull it out of the socket, and insert it in the slot on the new chassis.
Be sure to position the cover bracket in the bracket slot.
5. At the rear outside, using the **retained screw** to secure the bracket lock in place securing the PCIe card.
6. Insert and lock the slot cover on the old chassis.



Reinstall Top Panel

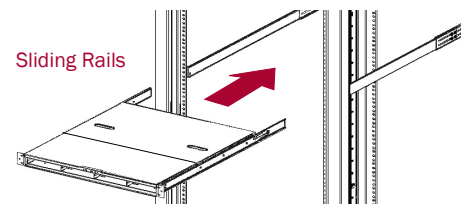
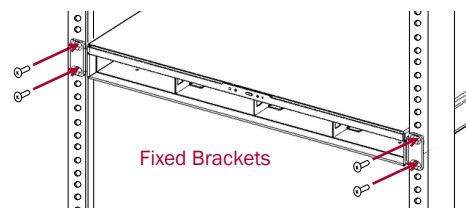
1. At the new chassis, position the top panel with no more than **one-half inch** (1.25cm) extending out over the rear of the unit.
2. Slide the panel **forward** until it is fully seated.
3. Using the **four retained screws**, secure the panel.



Return Unit to Rack


Reinstall the Chassis

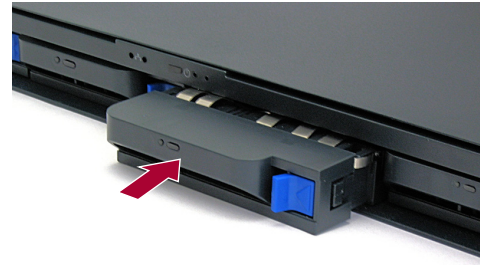
1. Using the mechanical lifter, position the **appliance** in front of the rack.
2. Based on the mounting system, carefully insert the **unit** into the rack and secure it:
 - **Fixed brackets** – Position the unit in the rack and use the four retained **screws** to secure the front flanges to the rack.
 - **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**.



Reinstall the Drives

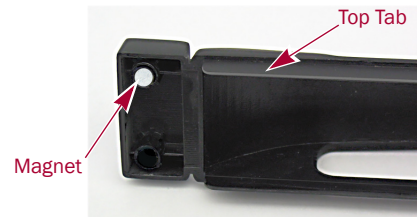
1. Position a **drive carrier** in front of its **empty slot**.
2. Slide the **carrier** in until the **latch** locks (clicks).
3. Repeat **Steps 1–2** for **all** remaining drive carriers.

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



Attach the Bezel

1. Position the **bezel** with the top edge tabs aligned with the top slots located on the front of the appliance.
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**.
3. At the front, press the **power switch** to power it on.



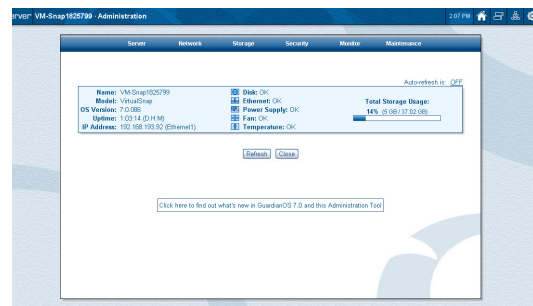
Complete the Exchange

Validate the System

Log onto the system and verify both the connections and settings. Check the front LEDs for flashing indicating errors.

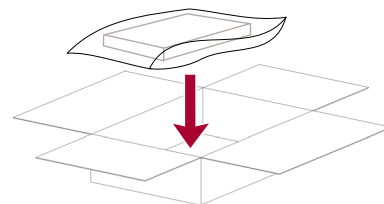
If there are any problems, contact Overland Technical Support:

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



Return Old Chassis to Overland

1. Place the **old chassis** 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>



<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.