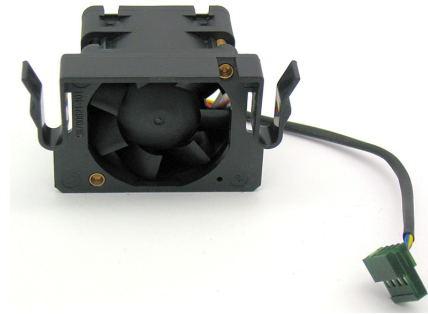# Spare Fan Instructions

This document describes how to remove and replace a fan in a SnapServer DX1 appliance 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. 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**.
3. Disconnect all **data cables** from the unit.

Data Cables   Power Socket

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.
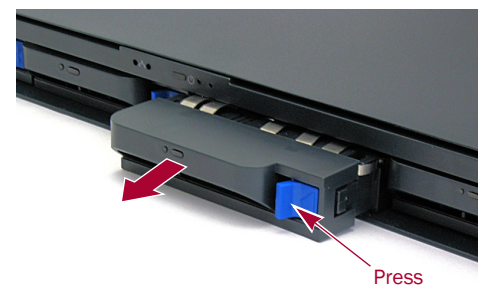
Remove the Drives

➡️ **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 an secure surface.
4. Repeat Steps 1–3 for **all** the remaining drive carriers.

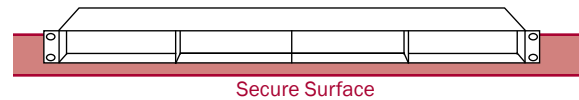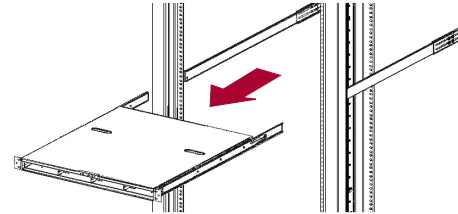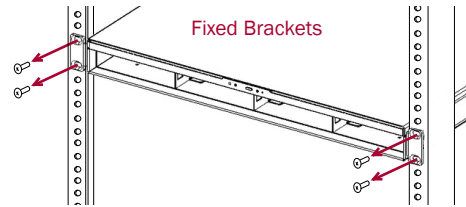Press

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.
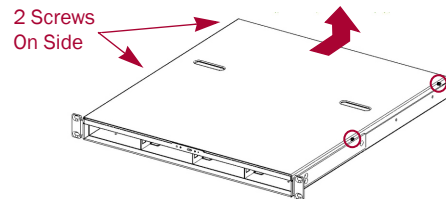
AVERTISSEMENT: Pour éviter toute blessure il est recommandé qu'un monte-charge (ou deux personnes au moins) soit utilisé lors de l'installation ou de l'enlèvement du support.

1. 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.
2. Move the unit onto a secure **surface**.

Remove Top Panel

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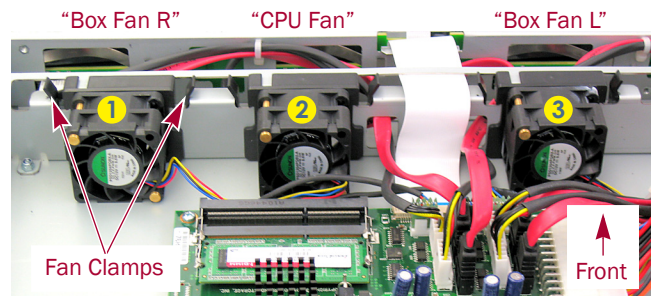3. Set the **top panel** on a secure surface.

Replace the Fan

Remove Old Fan

1. Locate the fan being replaced and unplug its **cable** from the motherboard.
2. Squeeze the two fan **clamps** on the bulkhead toward the center to release the fan.
3. Pull the **fan** up and out of the chassis.

   Carefully remove the fan cable from the other cables connecting to the motherboard.
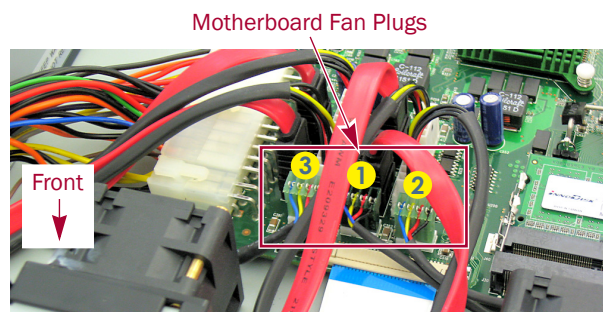
Install New Fan

1. Slide the **new fan** down into the fan bulkhead slot.
2. Push the fan down until the **clamps** lock (click).
3. Connect the fan **cable** onto the same socket on the motherboard as the fan being replaced.
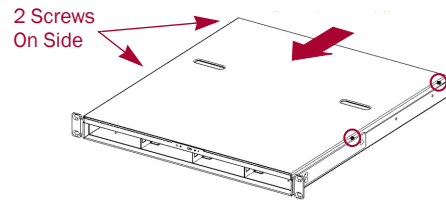
   The fan cable should be below the large red cables.

   NOTE: The fan sockets on the motherboard are in a different order than the actual fan positions. Be sure you use the same socket.

(The numbering below is only to show the fan and motherboard socket relationships.)
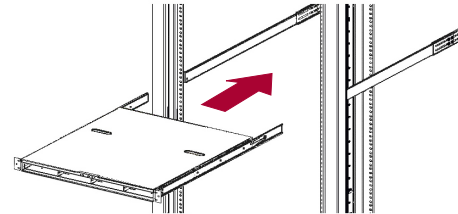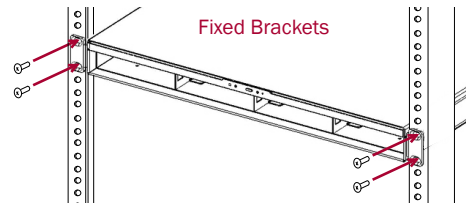
Reinstall Top Panel

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.

2 Screws
On Side

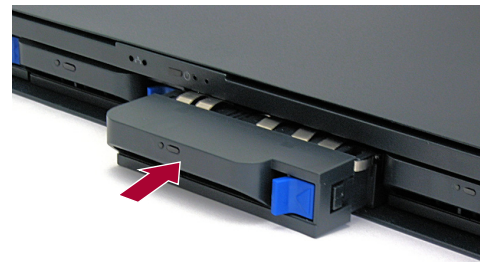# Return Unit to Rack

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**.
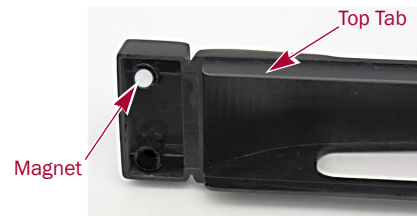
Fixed Brackets

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.

Top Tab

Magnet

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.

Data Cables   Power Socket

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 an RMA to return the part to **Overland Storage**.

   For return shipping details and RMA number, go to: http://docs.overlandstorage.com/return-instructions