

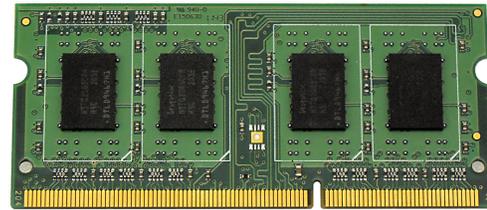
Add-on/Spare DIMM Instructions

This document describes how to add a second DIMM (Dual In-line Memory Module) or remove and replace an existing DIMM in 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.



IMPORTANT: Using DIMMs that are not supplied by Overland Storage will void your warranty. Overland Storage DIMMs have been tested and verified to operate properly with the SnapServer appliance. Failure to use qualified DIMMs may impact data availability or lead to data loss.

Register the Add-on DIMM

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

When **adding** a second DIMM 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 **unit** in which you are installing the extra DIMM.
6. Click **Add a Component**.
7. Enter the DIMM **information**.
8. Click **Save & Exit**.

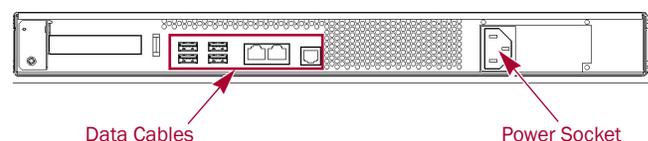
IMPORTANT: Your warranty certificate will be emailed to you. Follow the instructions included in the email to complete the registration process.



Prepare the Unit

Power Off and Disconnect

1. 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 Bezel

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



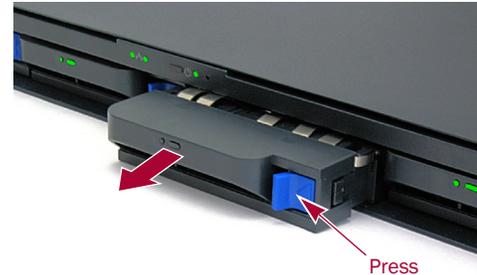
Remove the Drives

 **IMPORTANT:** Overland recommends that you remove the drive assemblies to lessen the unit's weight prior to removal.

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

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.

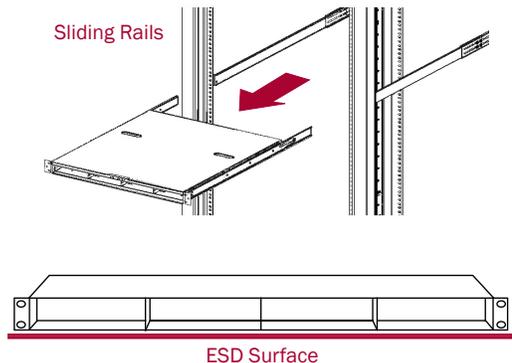
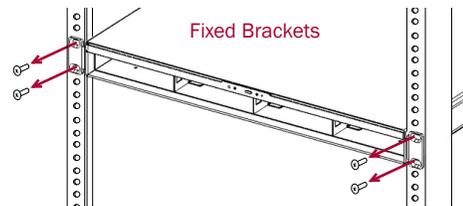


Remove Unit from Rack

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

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.

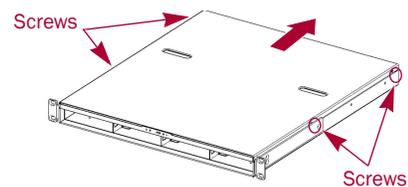
1. Based on the mounting system, carefully remove the **appliance** from the rack as follows:
 - **Fixed brackets** – Remove and retain the **four screws** from the front flanges and move the unit onto the lifter.
 - **Sliding rails** – Release the two **captive screws**, slide the unit out until it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



Install/Swap DIMMs

Remove Top Panel

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

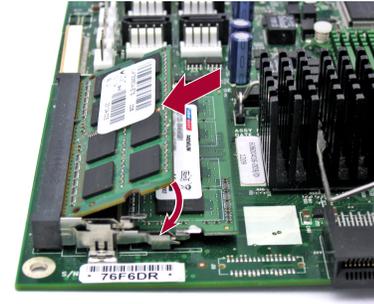


Install Additional DIMM

NOTE: If just replacing SnapServer DIMMs, skip “Replace DIMMs.”

1. If the **existing** DIMM has 8 chips per side, remove it first:
 - a. Press the side **latches** outward until it pops up.
 - b. Grasp the DIMM on the **sides** and pull it out. Set aside.
2. Aligning the notch, slide the new DIMM at a shallow angle into the **empty slot** closest to the motherboard.
3. Press it down until the **latches** lock it in place.
4. If you **removed** the existing DIMM in Step 1, use [Steps 2–3](#) to install it in the top slot.

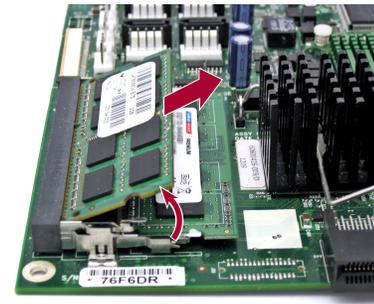
Continue with “Reinstall Top Cover.”



CAUTION: When adding a DIMM, if the existing DIMM has 8 chips per side, it must be moved to the top slot.

Replace DIMMs

1. If two DIMMs are installed, remove the **top DIMM**:
 - a. Press the side **latches** outward until it pops up.
 - b. Grasp the DIMM on the **sides** and pull it out. Set aside.
2. Repeat [Step 1](#) to remove the **bottom DIMM**.
3. Install the **new DIMM** in the bottom slot:
 - a. Aligning the bottom notch, at a shallow angle slide the DIMM into the **bottom slot**.
 - b. Press it down until the **latches** lock it in place.
4. If two DIMMs were installed, repeat [Step 3](#) for the other new DIMM in the **top slot**.

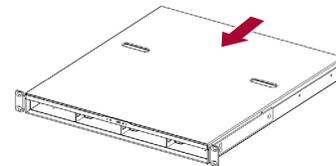


Reinstall Top Cover

1. Align the top panel over the unit with no more than **one-half inch** (1.25cm) extending 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.

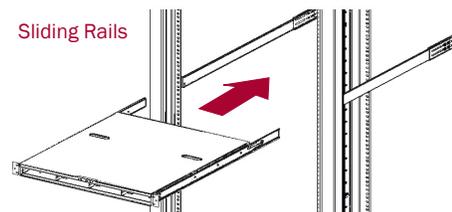
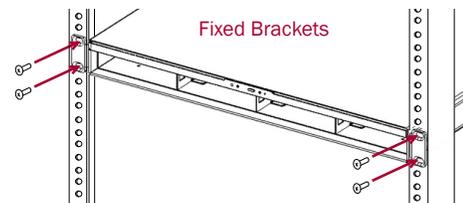
2. Slide the panel **forward** until it is fully seated.
3. Using the **four retained screws**, secure the panel.



Reinstall in Rack

Reinstall the Chassis

1. 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**.



Install Drives

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

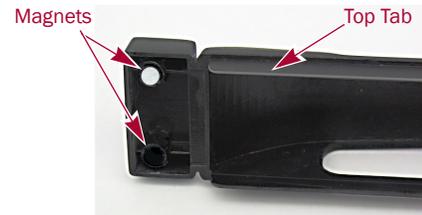


IMPORTANT: To maintain proper airflow and cooling, a drive assembly or a blank carrier must be installed in *every* slot. No empty slots are allowed.



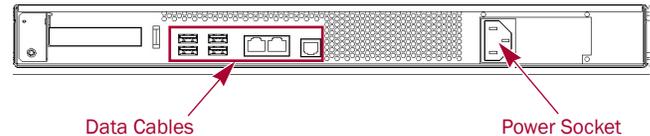
Attach the Bezel

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.



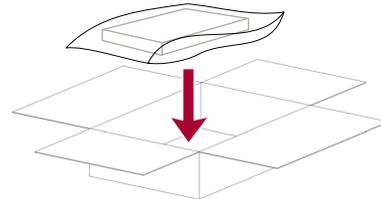
Attach Cables and Power Cords

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.



Return Old Part 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>



<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.