Quick Start Guide

overland storage

SnapServer XSR 40™

1U Storage Appliance

10400571-003

Step 1

It is **essential** to activate your warranty. Technical and warranty support are **not available** until the warranty is active:

1. Go to http://www.overlandstorage.com/ and select **Service & Support > My Products**.
2. At the Site Login, enter your **email address** and **password**, and click **GO**.
3. Click **Register New Product**.
4. Fill in the information (including serial number) and click **Submit**.

E-mail: **Enter**
Password: **Enter**
☐ Remember Me
GO ▶
Forgot your password? New member?

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

Step 2

⚠ **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.

Unpack the unit placing it and the drives on a secure surface. Remove the blue plastic film. Any optional internal components, such as a PCIe card or extra DIMM, need to be installed before continuing. Refer to the installation instructions and warnings that are packaged with those components.

Step 3

⚠ **WARNING:** It is recommended that a mechanical lifter (or at least two people) be used to raise and align the unit to prevent injury during installation. Use care when inserting or removing a unit into or out of a rack to prevent the accidental tipping of the rack, causing damage or personal injury.

WARNUNG: Um Verletzungen zu vermeiden, empfehlen wir zur Rack-Installation oder -Deinstallation die Nutzung einer mechanischen Hebehilfe (oder mindestens zwei Personen). Seien Sie vorsichtig bei der Rack-Installation oder -Entnahme, um ein versehentliches Kippen des Racks zu vermeiden und das Rack nicht zu beschädigen bzw. sich selbst zu verletzen.

AVERTISSEMENT: Afin d'éviter des blessures pendant l'installation, il est recommande d'utiliser un monte-charge (ou au moins deux personnes) pour élever ou aligner l'appareil. Faites attention lorsque vous insérez ou retirez l'appareil d'un support, pour empêcher le déversement accidentel de la crémaillère causant des dommages et des blessures.

The SnapServer XSR 40 comes with two angle brackets preinstalled on it for easy installation into 19-inch (EIA-310) rack.

⚠ **CAUTION:** Two-post Telco-style or other racks less than 29 inches in depth will NOT support this unit.

NOTE: If using the optional sliding rail kit, follow the instructions that come with it.

1. Using a mechanical lifter (or two people), lift and position the XSR 40 with the bracket holes aligned with the appropriate rack holes.
2. Using the four provided screws, attach the XSR 40 brackets to the rack and tighten them just enough to support the appliance.
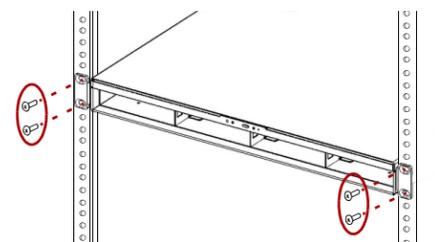
   As needed, use any appropriate hardware that may be required for your type of rack.
3. Verify that the appliance is level, and tighten the screws.

Step 4

The XSR 40 comes without its disk drives installed. All four drives must be installed for proper operation.

Install Drives

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

Once the SnapServer is in the rack, install the drives:

1. Position the **drive assembly** in front of a **bay**.
2. Slide it in until the **latch** clicks, locking the assembly in the bay.
3. Repeat Steps 1–2 for **each** remaining drive carrier.

➡ **IMPORTANT:** To maintain proper airflow and cooling, a drive assembly carrier must be installed in *every* bay. No empty bays are allowed.

Attach the Bezel

1. Position the **bezel** with the top and bottom edges aligned with the slots on the front of the appliance.
2. Push the **bezel** onto the unit until the retaining clips latch and the bezel snaps into place.
3. Verify that the bezel is **aligned** properly and all the LEDs are visible.

Step 5

Cable Attachment

⚠ **CAUTION:** The speed/duplex setting on an XSR 40 defaults to autonegotiate. The networking switch or hub to which the XSR 40 is connected must also be configured to autonegotiate; otherwise, network throughput or connectivity to the XSR 40 may be seriously impacted.

All cabling, power connections, and cooling vents are located on the XSR 40 rear panel.
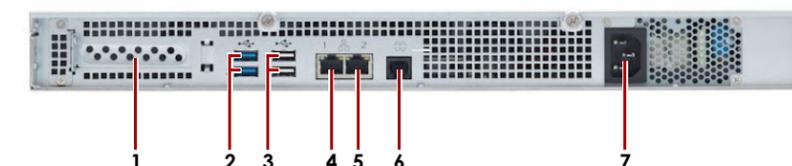
1 — PCIe Card Slot
2 — USB 3.0 Ports (2)
3 — USB 2.0 Ports (2)
4 — Ethernet 1 Port
5 — Ethernet 2 Port
6 — Serial Port*
7 — AC Power Plug

* For use by Technical Support only.

1. Plug the **network connection** into the Ethernet 1 port.

   Using a Category 5e (or better) cable, connect Ethernet 1 port on the appliance to a Gigabit Ethernet switch on the same LAN as the host system used to manage the SnapServer XSR 40.
2. If desired, plug a second **network connection** into the Ethernet 2 port.

   NOTE: To take advantage of network bonding (load balancing or failover), both data ports (Ethernet 1 and 2) must be physically connected to the network. For load balancing, connect them to the same switch on the same subnet with the switch set to autonegotiate. For failover, connect them to different switches on the same subnet.
3. If attaching an **RDX Removable Disk**, follow the instructions that came with the product, using the blue USB 3.0 ports.
4. Attach the power cord to the **AC power** socket.
5. Plug the **power cord** into a UPS appliance or a properly-grounded AC power source.
6. If using an APC-brand UPS appliance, plug the **USB cord** from the UPS into one of the USB ports on the rear of the SnapServer.

   NOTE: SnapServer systems are designed to work with APC-brand USB or network-based UPS devices to automatically shut down cleanly in the event of a power failure. You must configure the APC unit both in the SnapServer Web Management Interface and in the APC user interface.
7. Press the front **power switch** for no more than one second.

Important – Read This Before Continuing

After initial power up with new drives, a XS Series appliance takes up to **10 minutes** to complete the new appliance initialization process. During this time, the System LED (see graphic) flashes an alternating green and amber pattern.

System LED

⚠ **CAUTION:** Under no circumstances should power be removed while the system is in this state! Doing so may render the appliance inoperable.

Once initialization is complete, the system automatically reboots and the Status LED displays a solid green color. Continue with "Connect for the First Time."

Step 6

Connect for the First Time

➡ **IMPORTANT:** SnapServers are configured to acquire an IP address from a DHCP server. If no DHCP server is found on the network, the server defaults to an IP address in the range of 169.254.xxx.xxx. You may not be able to see the server on your network until you discover and optionally assign an IP address using SnapServer Manager.

NOTE: Alternately, you can use SnapServer Manager (SSM) to locate the new server. Refer to Using SnapServer Manager to Connect (Alternate Option).

This procedure requires that name resolution services (via DNS or an equivalent service) be operational. The connecting computer must be on the same network.

1. Check the Find Me label to get the **server name**.

   The default server name is "SNAP*nnnnnnn*," where *nnnnnnn* is the server number. The server number is a unique, numeric-only string that appears on a label affixed to the top rear of the server.

2. In a web browser, enter the **server name** as the URL.

   For example, enter "http://Snap9876543".

3. Press **Enter** and log into the Web Management Interface.

   Enter **admin** as the user name and **admin** as the password, then click **OK**.

4. Complete the **Initial Setup Wizard**.

Your XSR 40 is now ready to be configured for your specific environment and needs.

Using SnapServer Manager to Connect (Alternate Option)

NOTE: If necessary, SnapServer Manager (SSM) can be used to connect to the nodes.

SnapServer Manager is an administrative application that is Java-based, platform-independent, and runs on all major platforms. SSM provides administrators a single interface from which they can discover any SnapServer on the network. You can download and install SSM from:

http://docs.overlandstorage.com/ssm

Install SSM on a computer residing on the same network segment as your SnapServer.

SnapServer Manager Procedure

1. Launch **SSM**.

   SSM discovers all SnapServers on its local network segment and displays their names, IP addresses, and other status information in the main console. If you do not have a DHCP server, there might be a delay before the appliance appears on the network.

   NOTE: To distinguish multiple SnapServers, you may need to find their default appliance names as explained in the previous procedure.

2. In SSM, right-click the server name and select **Launch Web Administration**.

3. Log into the **Web Management Interface**.

   Enter **admin** as the user name and **admin** as the password, then click **Login**.

4. Complete the **Initial Setup Wizard**.

Your XSR 40 is now ready to be configured for your specific environment and needs.

Step 7

These additional informational sections may be helpful in the configuration of the XSR 40 or addressing setup issues.

User Guides

For detailed information on configuring your SnapServer XSR 40, refer to the *SnapServer Administrator's Guide for GuardianOS* or the *GuardianOS Release Notes*.

They are **available online** at:

http://docs.overlandstorage.com/snapserver

Click one of the links on the right side of the page to view the appropriate GuardianOS document.

Warranty and Technical Support

For warranty and technical support information, see our **Contact Us** web page:

http://docs.overlandstorage.com/support

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