Quantum Scalar LTFS Appliance: Hard Drive Carrier Replacement

When your Scalar Linear Tape File System (LTFS) Appliance hard drive is good, but the hard drive carrier is damaged, you need to replace only the hard drive carrier.

To replace the hard drive carrier, refer to the following sections:

- Preparing to Replace a Hard Drive Carrier on page 2
- Removing the Hard Drive Carrier on page 2
- Replacing the Hard Drive Carrier on page 5

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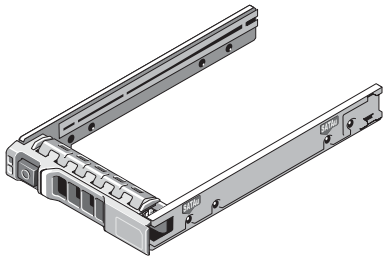
Preparing to Replace a Hard Drive Carrier

Make sure you have the required replacement kit (see Table 1 on page 2).

Table 1 Scalar LTFS Appliance Hard Drive Carrier

Qty	Illustration	Description
1		Replacement drive carrier

Required Tools:

#1 PHILLIPS screw driver

Removing the Hard Drive Carrier

To remove the hard drive carrier, complete the following steps:

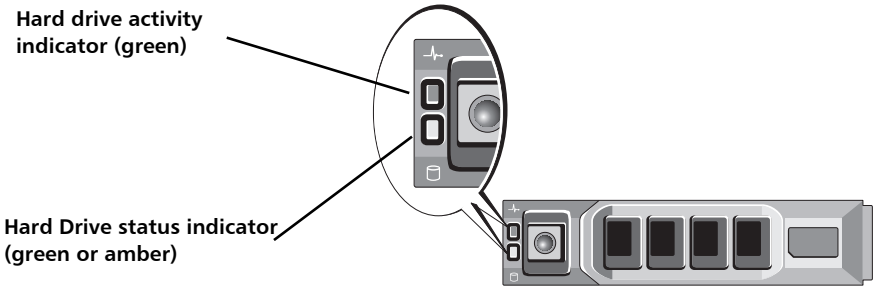
1. From the management software, prepare the hard drive for removal.

Reviewers: How does the user prepare the drive for removal? Should the followng step and figure come after removal of the bezel?

2. Wait until the indicators on the hard drive carrier signal that the hard drive can be removed safely (see Figure 1 on page 3).

   If the hard drive is online, the green activity/fault indicator flashes as the drive is turned off. When the hard drive indicators are off, the hard drive is ready for removal.

Figure 1 Hard Drive LED Indicators



3 If the bezel is installed, remove it:

- **a** Unlock the key lock at the left end of the bezel (see Figure 2).
- **b** Lift the release latch next to the key lock.
- **c** Rotate the left end of the bezel away from the front panel.
- **d** Unhook the right end of the bezel and pull the bezel away from the Scalar LTFS Appliance.

Figure 2 The Front Bezel

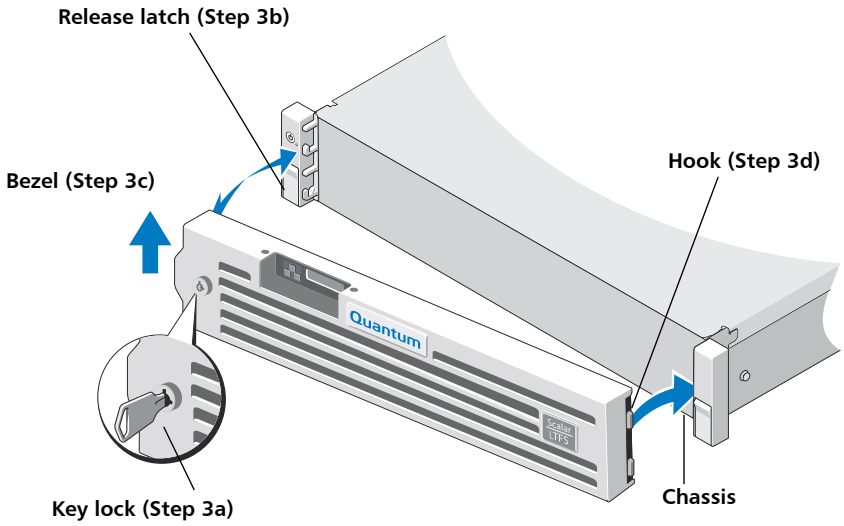
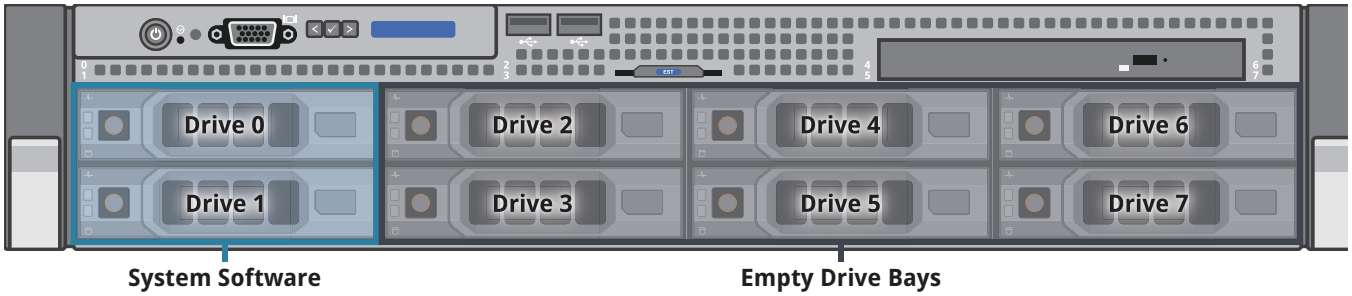


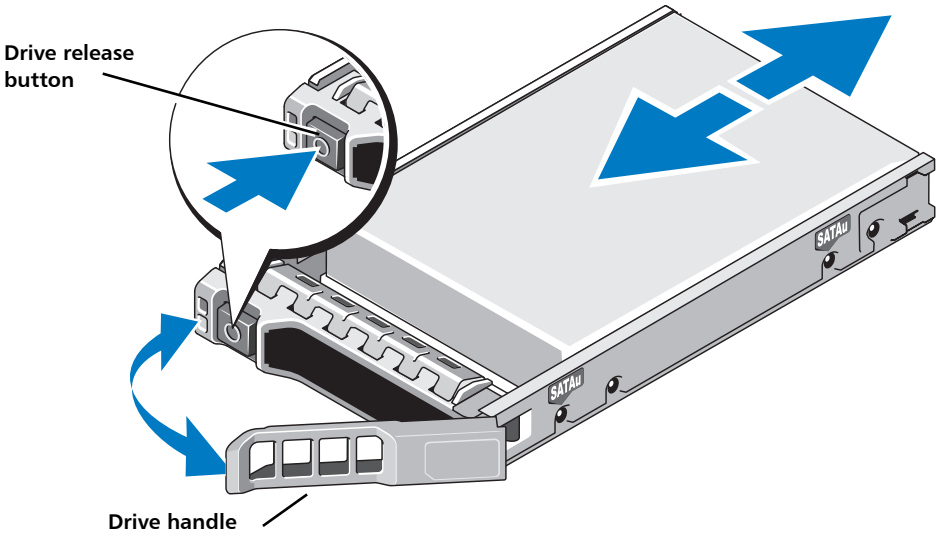
Figure shows the Front of the Scalar LTFS after the bezel is removed.

Figure 3 Front of the Scalar LTFS



4 Push the drive release button and open the drive carrier handle to release the drive (see Figure 4).

Figure 4 Removing the Scalar LTFS Appliance Hard Drive From the Carrier

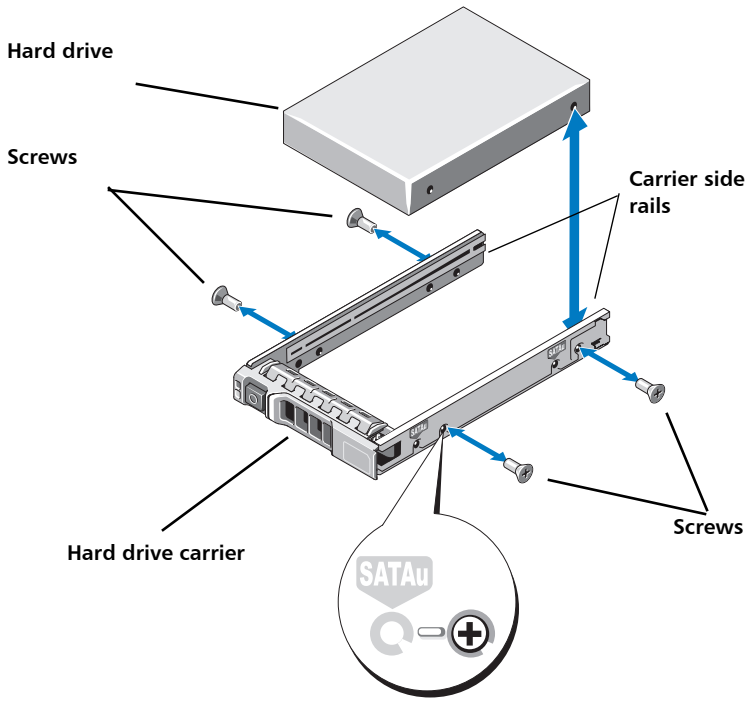


5 Slide the hard drive out until it is free of the drive bay.

6 Remove the screws from the slide rails on the hard-drive carrier and lift the hard drive from the carrier (see Figure 5).

Retain these four screws; you will need them to reassemble the hard drive into the replacement hard drive carrier.

Figure 5 Hard Drive and Hard Drive Carrier



Replacing the Hard Drive Carrier

To replace the hard drive carrier, complete the following steps:

1. Insert the hard drive into the replacement hard drive carrier with the connector towards the back of the hard drive carrier.
2. Align the screw holes on the hard drive with the back set of holes on the hard drive carrier.

   Note: When aligned correctly, the back of the hard drive is flush with the back of the hard drive carrier.

3. Secure the hard drive carrier to the hard drive with the four screws you previously removed.
4. Insert the drive back into the Scalar LTFS Appliance by sliding the hard drive back into the empty drive bay until the carrier connects with the backplane.
5. Close the hard drive carrier handle to lock the hard drive in place.

   A steady green Status LED indicates the drive is online.
6. Replace the front bezel.
   a. Hook the right end of the bezel onto the chassis of the top Scalar LTFS Appliance.
   b. Fit the free end of the bezel onto the Scalar LTFS Appliance.
   c. Secure the bezel with the key lock.