



# DXi3500 and DXi5500 Quick Start Guide

This quick start guides provides basic installation and configuration instructions for both the DXi3500 and DXi5500 systems (see [figure 1](#)). For more information, see the *Quantum DXi3500 and DXi5500 User's Guide* on the documentation CD provided with your DXi3500 or DXi5500 system.

This instruction uses the following conventions:

**Note:** Notes emphasize important information related to the main topic.

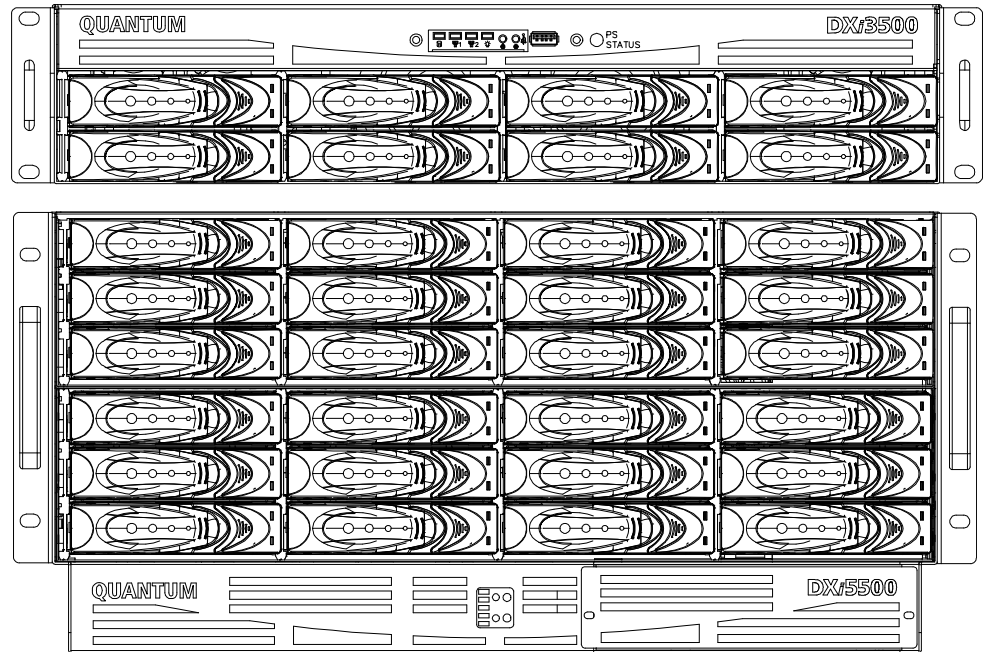
**Caution:** Cautions indicate potential hazards to equipment and are included to prevent damage to equipment.

**Warning:** Warnings indicate potential hazards to personal safety and are included to prevent injury.

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Figure 1 DXi3500 and DXi5500



## Choosing a Location

The DXi3500/DXi5500 must be installed in a restricted access location per specification **EN69050-1**. This system must only be installed by qualified IT service personnel. This is required to prevent untrained personnel from allowing body parts or electrically conductive items to penetrate into the interior of the system when replacing or installing drives, fans, and power supplies.

When choosing an installation site for the DXi3500/DXi5500 system, consider the following requirements:

- [Rack Space Requirements](#)
- [Environmental Conditions](#)

### Rack Space Requirements

[Table 1](#) contains the rack requirements for both the DXi3500 and DXi5500.

Table 1 Rack Requirements

	DXi3500	DXi5500
Depth	27 in (68.6 cm)	25.4 in (64.5 cm)
Width	19 in (48.3 cm)	19 in (48.3 cm)
Height	3.5 in (8.9 cm), 2U	8.75 (22.2 cm), 5U

	DXi3500	DXi5500
Weight	50 lbs (22.68 kg)	122 (55.34 kg)
Air Clearance	Open 4 in (10.2 cm) behind unit for proper air flow	

## Environmental Conditions

The installation site must have the following environmental conditions:

- Humidity: 20%-80% non-condensing
- Temperature: 10°C-35°C (50°F-95°F)
- Altitude: 0 to 10,000 feet (0 to 3048 meters)

These environmental conditions apply when the DX-Series system is in operation.

**Note:** For additional specifications, refer to the *Quantum DXi3500 and DXi5500 User's Guide* (PN 81-81701)

## Preparing for the Installation

Before you begin the installation procedure in this section, make the following preparations as described in this section:

- [Providing Necessary Tools](#)
- [Taking ESD Precautions](#)

### Providing Necessary Tools

Provide the following tools for unpacking and installing the DXi3500 and DXi5500 systems:

- #1 PHILLIPS® screwdriver
- #2 PHILLIPS screwdriver
- #1 Flat head screwdriver
- Antistatic wrist strap included in accessory kit

### Taking ESD Precautions

Some components within the DXi3500 and DXi5500 systems contain static-sensitive parts. To avoid damaging these parts while performing installation procedures, always observe the following precautions:

- Keep the DXi3500/DXi5500 system turned off during all installation procedures.
- Use an antistatic wrist strap (included in the accessory kit).
- Keep static-sensitive parts in their original shipping containers until ready for installation.

- Do not place static-sensitive parts on a metal surface. Place them inside their protective shipping bag or on an antistatic mat.
- Avoid touching connectors and other components.

**Note:** Dry climates and cold-weather heating environments have lower relative humidity and are more likely to produce static electricity.

## Unpacking the DXi3500/DXi5500

This section explains how to unpack both the DXi3500 and DXi5500 system components and move them to their final installation location.

By following these instructions, you help ensure that the system will continue to be safeguarded after it arrives at the installation site.

Unpack and remove the following components from the packing materials (see [figure 2](#) and [figure 3](#)):

**Caution:** Do NOT discard the packing materials after the system is unpacked. The packaging materials must be used if the system is relocated.

- DXi3500 or DXi5500 chassis
- Hard drive sleds
- Accessory kit

**Warning:** The DXi3500 weighs 38 lbs (17.24 kg) and the DXi5500 weighs 85 lbs (38.56 kg) without hard drives. Two people are required to lift either unit.

Figure 2 Unpacking the DXi3500

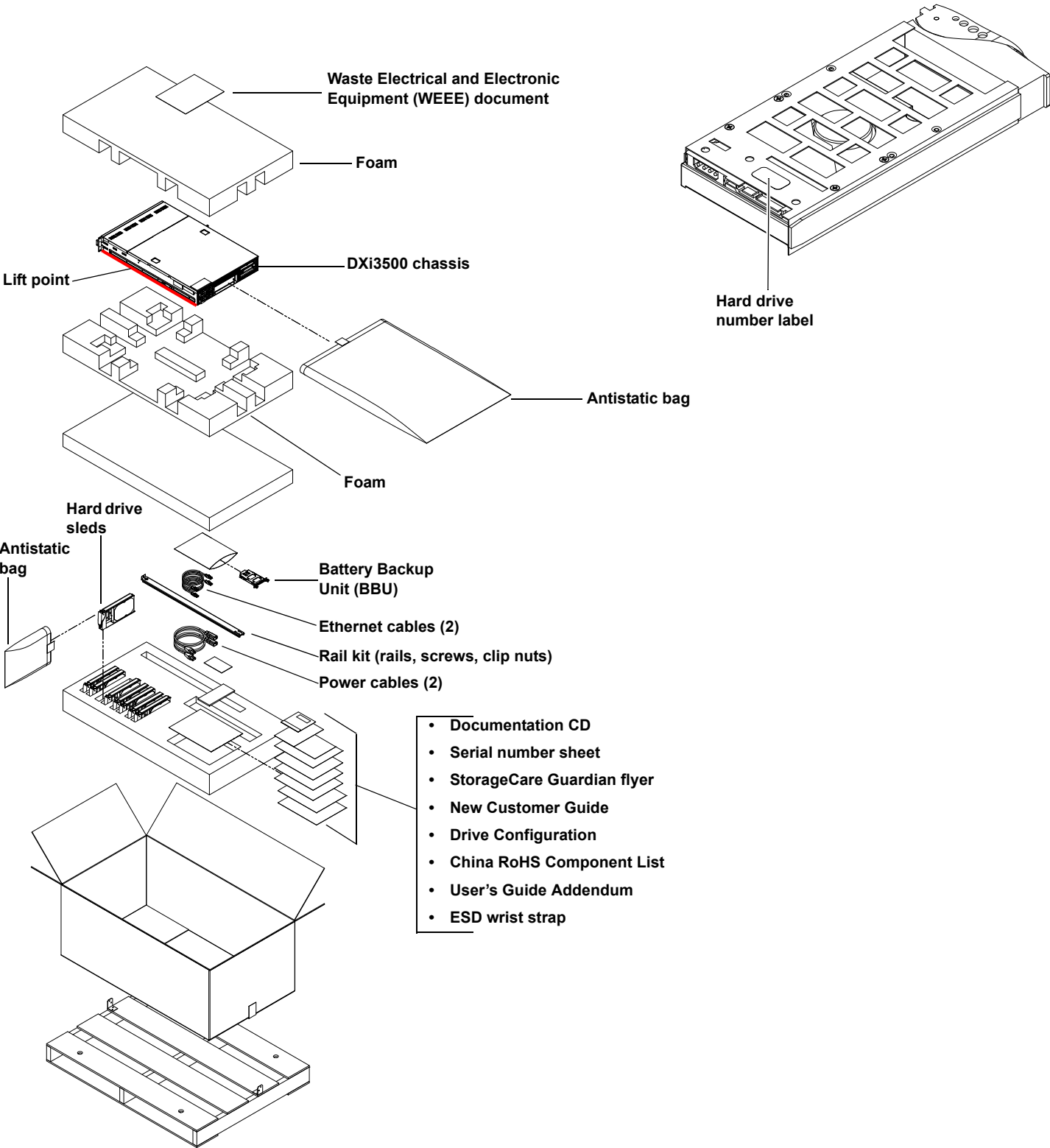
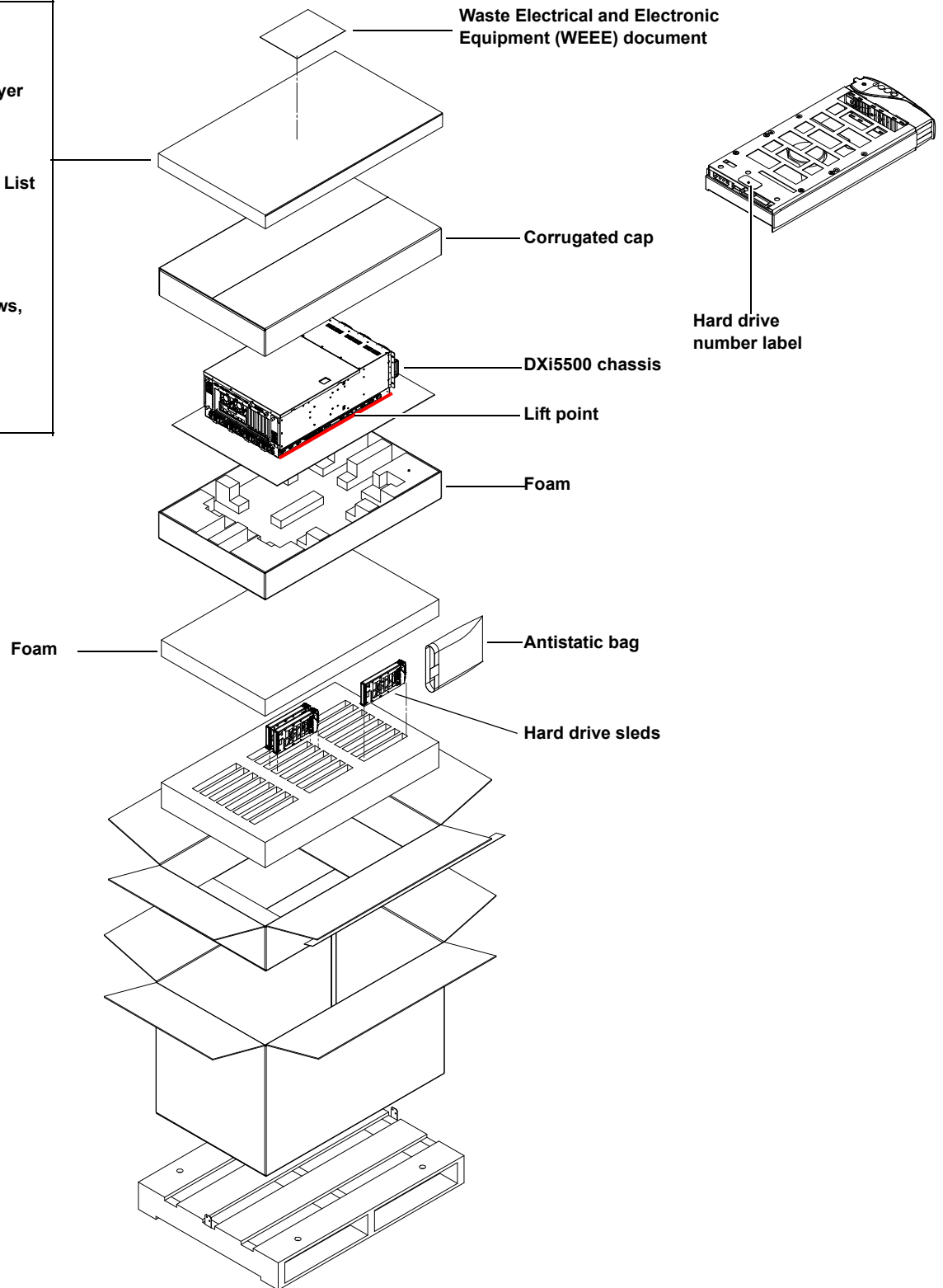


Figure 3 Unpacking the DXi5500

- Accessory Kit Items:**
- Documentation CD
  - Serial number sheet
  - StorageCare Guardian flyer
  - New Customer Guide
  - Drive Configuration
  - China RoHS Component List
  - User's Guide Addendum
  - Battery Backup Units (2)
  - Registration card
  - Rail kit (outer rails, screws, clip nuts)
  - Power cords (4)
  - Ethernet cables (2)
  - ESD wrist strap



## Installing the DXi3500/DXi5500 System

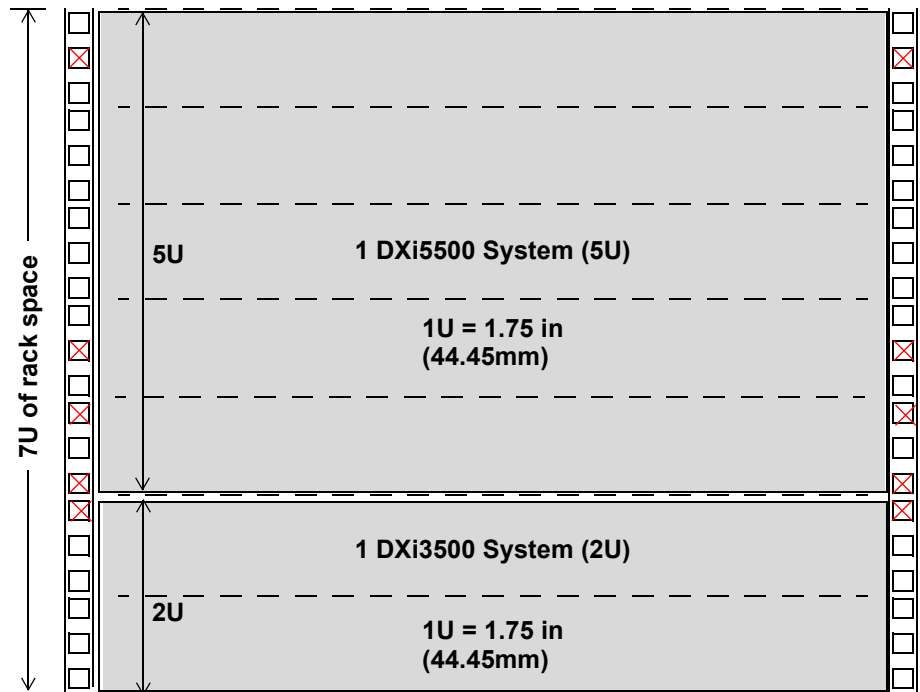
Installing the DXi3500/5000 in a rack consists of the following steps:

- [Locating the Mounting Position](#)
- [Installing the DXi3500/DXi5500 Chassis](#)

### Locating the Mounting Position








Both the DXi3500 and DXi5500 systems are designed to fit in a standard 19 inch wide rack. It is important to the chassis installation to locate the hole pattern in the rack rails (see [figure 4](#)).

Figure 4 Rail Hole Pattern



**Hole pattern**

**Top of rack**

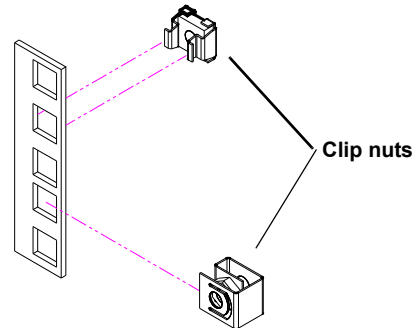
-  .312 in (7.92 mm)
-  .625 in (15.9 mm)
-  .625 in (15.9 mm)
-  .5 in (12.7 mm)
-  .625 in (15.9 mm)
-  .625 in (15.9 mm)
-  .5 in (12.7 mm)

The marks above (X) indicate the location of mounting hardware on the rack rails. Ensure that any necessary mounting hardware is installed on the rack rails prior to installing the chassis.

**Warning:** If the rack is empty at the time of installation, do NOT install the DXi3500 or DXi5500 chassis too high in the rack. The weight of the chassis may cause the rack to become “top heavy” and unstable if installed in the top of an empty rack.



**Note:** Quantum ships sufficient clip nuts to support mounting the DXi3500/DXi5500 rack rails and also to secure the front of the chassis to the rails.



### Installing the DXi3500/ DXi5500 Chassis

To install the DXi3500/DXi5500 chassis:

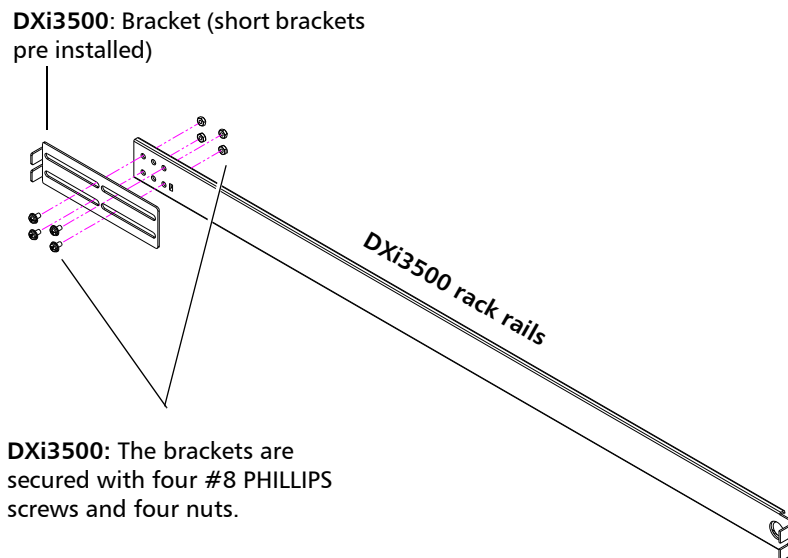
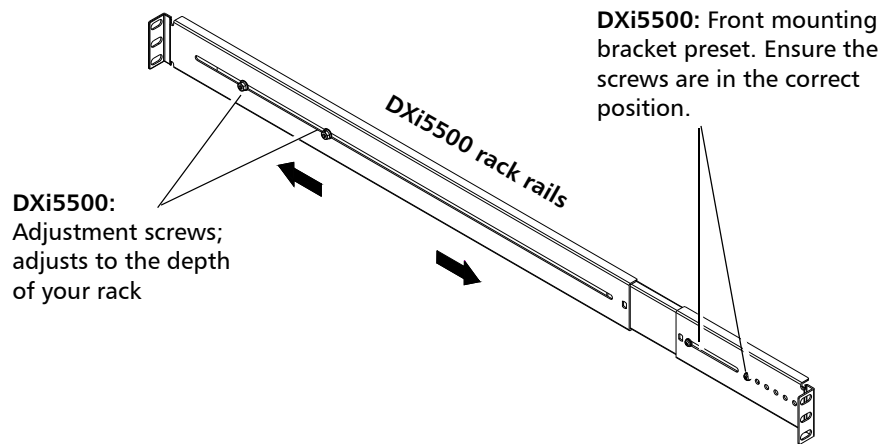
**Note:** Ensure that clip nuts are installed on the rails (see [figure 4](#)) prior to installing the DXi5500 rails.

1 Assemble the DXi3500/DXi5500 support brackets [figure 5](#):

- **For the DXi5500** - The DXi5500 rails are preset for easy installation. Loosen the two nuts securing the back portion of the rail so the rail can adjust to the depth of the rack.
- **For the DXi3500** - The DXi3500 rails are preset for 28 in (71.1cm). Loosen the nuts to adjust the rails to the depth of the rack.

**Note:** Two sizes of support brackets are included with the DXi3500 rails to support various rack depths. Measure the depth of the rack to determine the depth. The **short brackets** (5 in., 12.7cm) are used for rack depths of 28 to 31 in (71.1 to 78.7 cm). The **long brackets** (10 in., 25.4 cm) are used for rack depths of 32 to 36 in (81.3 to 91.4 cm). Use the appropriate support bracket for your rack.

Figure 5 Assembling the Rack Rails



- 2 Install the left and right chassis support brackets at the beginning of a hole pattern (see [Locating the Mounting Position](#)) and secure as follows (see [figure 6](#)):

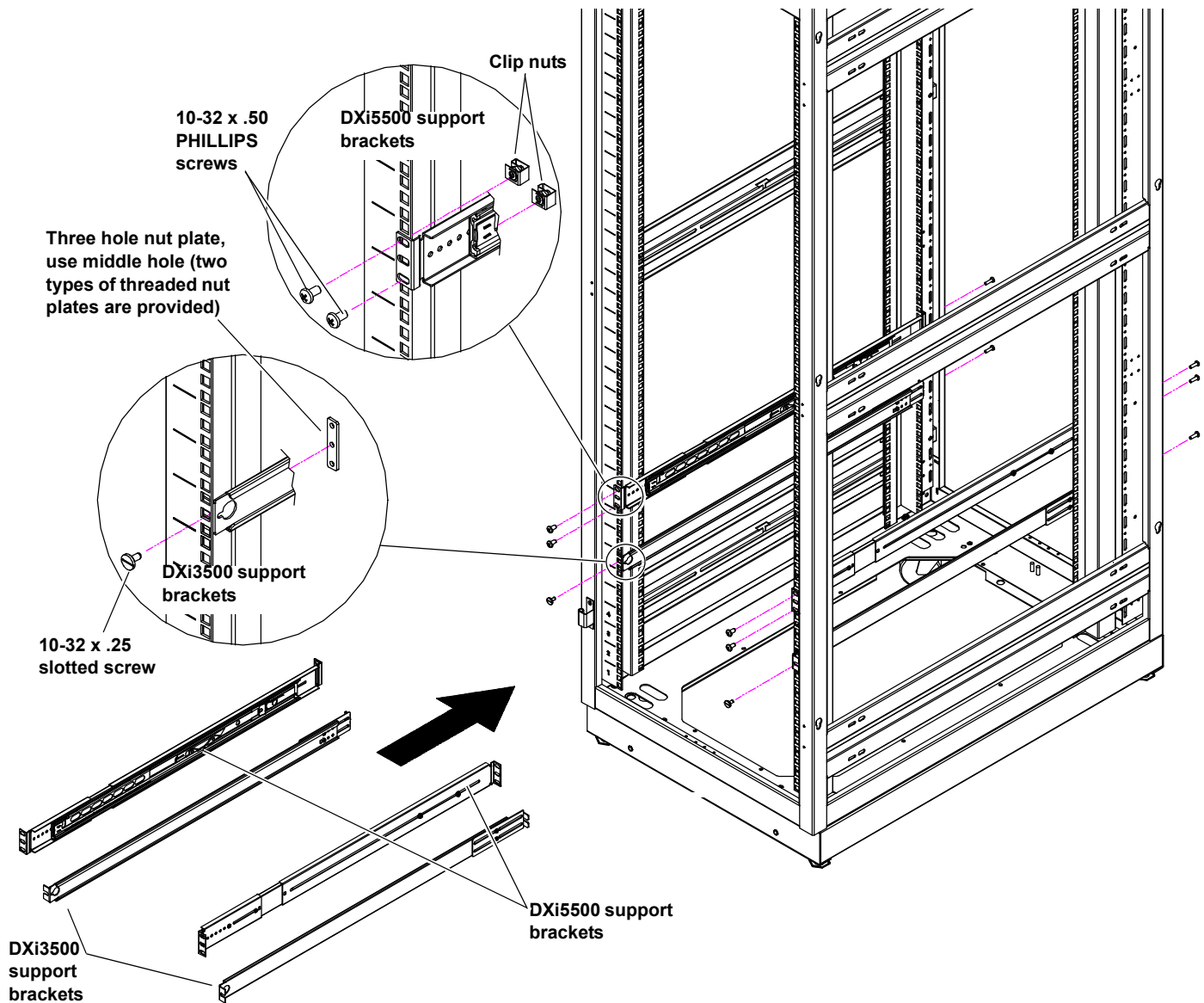
**Note:** The support brackets extend to accommodate rack depths of 30 to 36 in. (76.2 to 91.4 cm).

- **DXi3500** - One 10-32 x .25 in. Slotted screw and a three hole nut plate on each rail at the front and back of the rack. 10-32 x .25 in. PHILLIPS screws and nuts are also provided for racks with threaded holes (M5 x 32 metric also provided).

**Note:** The DXi3500 support brackets must be installed on the inside rack rails.

- **DXi5500** - Two 10-32 x .50 in. PHILLIPS screws on each rail at the front and back of the rack for the DXi5500 (M5 x 32 metric also provided).

Figure 6 Installing the Chassis Support Brackets (DXi3500 and DXi5500)

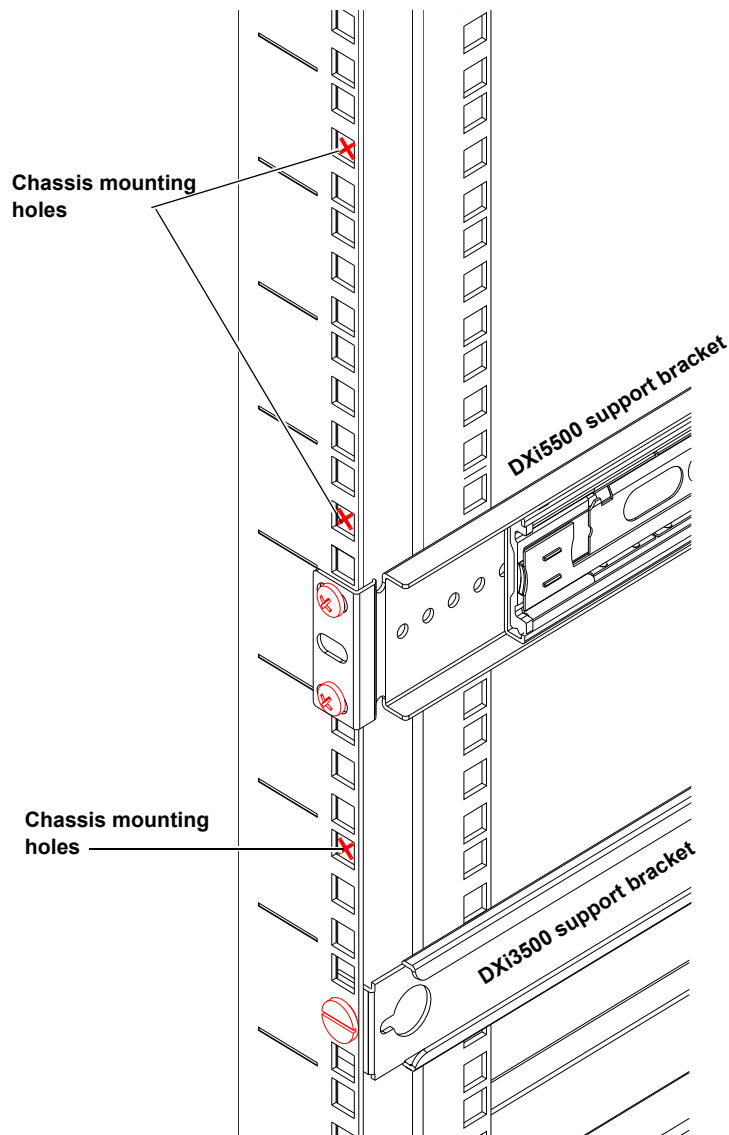


- 3 Once the rails are secured to the rack, tighten the rail adjustment nuts on each rail.

**Note:** Ensure that the rails are level front to back and side to side when installed in the rack.

- 4 With the support brackets installed, prepare the chassis mounting holes if necessary (see [figure 7](#) for hole location). These are the holes used to secure the chassis to the rack.

Figure 7 DXi3500/DXi5500  
Chassis Mounting Holes



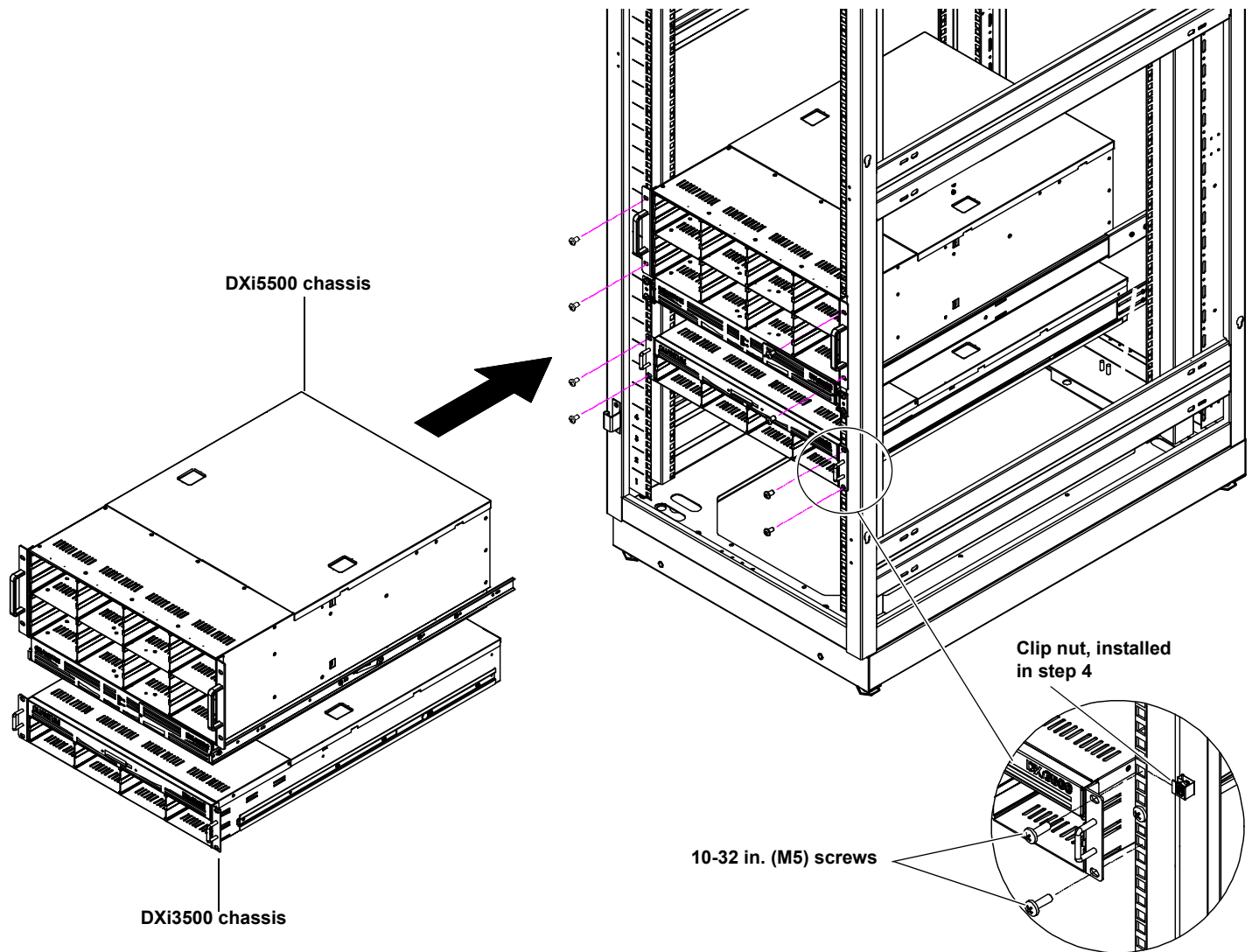
5 Carefully slide the chassis into the rack.

**Warning:** The DXi3500 weighs 38 lbs (17.24 kg) and the DXi5500 weighs 85 lbs (38.56 kg) without hard drives. Two people are required to lift either unit.

6 Secure the DXi3500/DXi5500 chassis to the rack with the following hardware (see [figure 8](#)):

- **DXi3500** - two 10-32 x .5 in. black PHILLIPS screws on each side of the front of the chassis. Tighten to 5 in/lbs.
- **DXi5500** - two 10-32 x .5 in. black PHILLIPS screws on each side of the front of the chassis.

Figure 8 Securing the DXi3500/DXi5500 Chassis to the Rack



- 7 Install each of the hard drive sleds into the DX-Series storage array chassis. Ensure each drive is completely installed in the chassis with the drive handle in the closed position (see [figure 10](#) for DXi3500 and [figure 11](#) for DXi5500).

**Caution:** Use ESD procedures when handling the hard drives sleds (see "Taking ESD Precautions" on page 3). Place the ESD wrist strap on your wrist and connect the other end of the strap to the DXi3500/DXi5500 chassis.

**Caution:** The hard drives must be installed in the proper sequence since RAID sets have already been established at the factory. Refer to the label on the bottom of the drive sled for the drive number. The hard drive numbering starts in the lower left-hand drive bay and then moves to the right (see [figure 9](#)).

Figure 9 Hard Drive Order

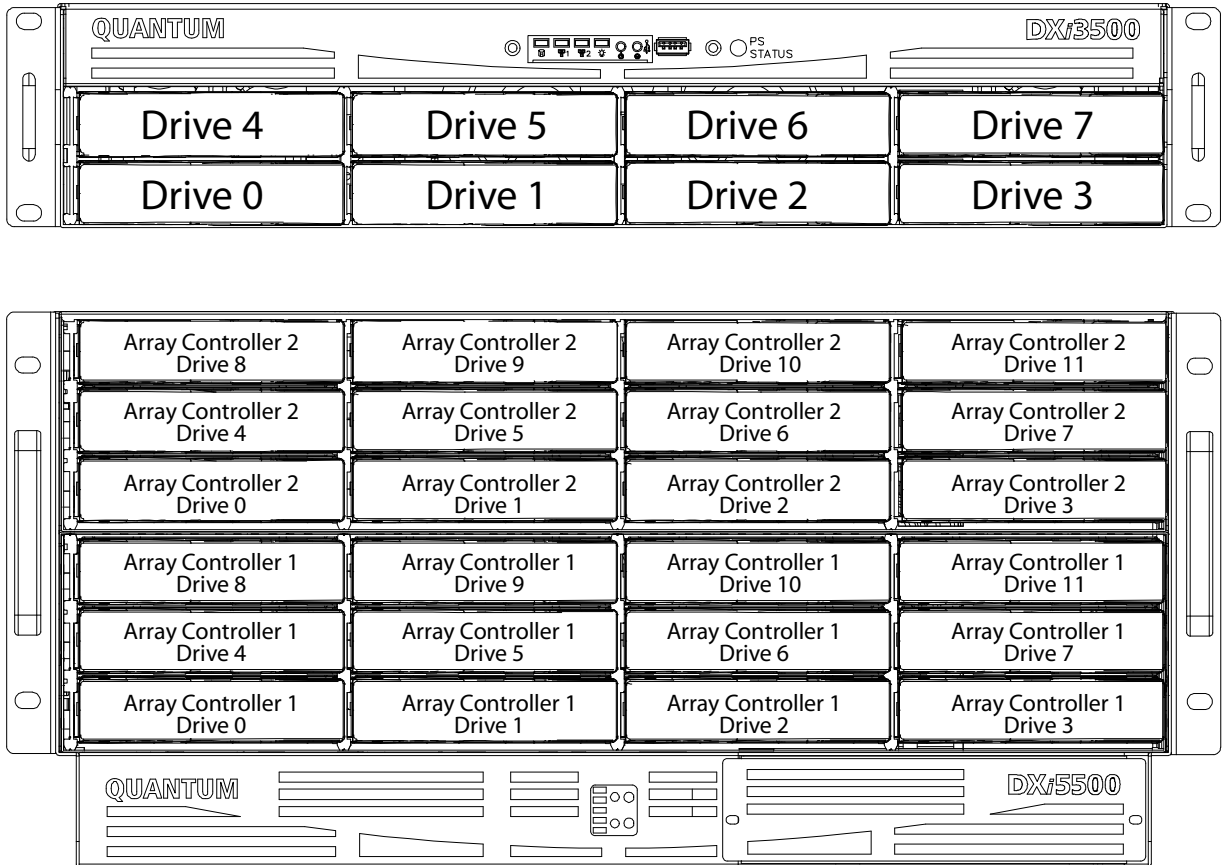


Figure 10 Installing the Disk Drives in the DXi3500 Chassis

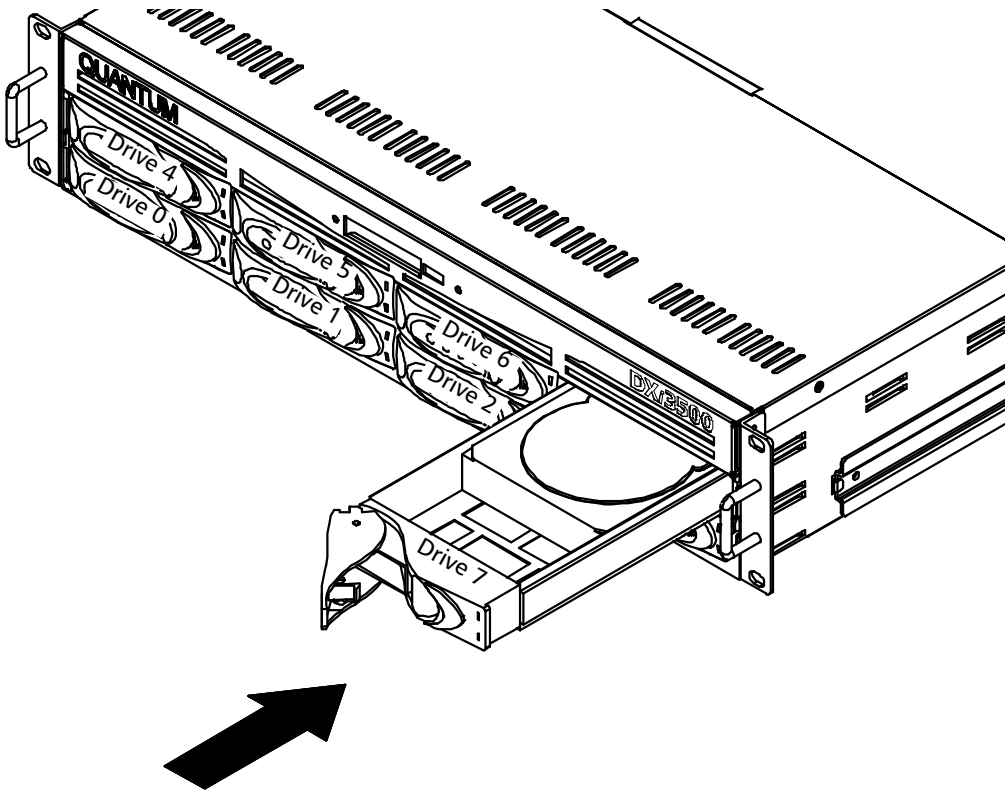
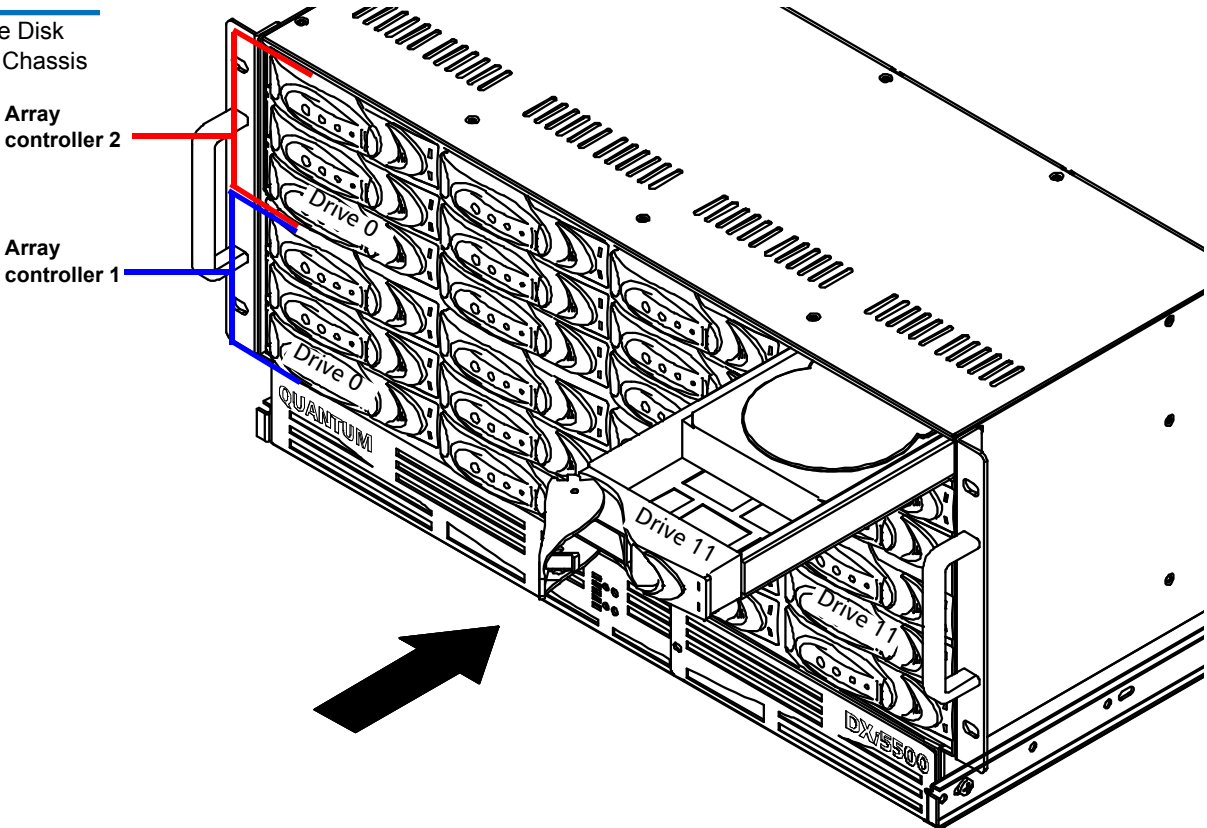


Figure 11 Installing the Disk Drives in the DXi5500 Chassis



- 8 Install the replacement BBU tray (included with the accessory kit) into the system chassis and tighten the captive screws with a PHILLIPS screw driver (see [figure 12](#) for the DXi3500 and [figure 13](#) for DXi5500).

**Note:** Ensure that the notch location on the removable BBU tray is in the correct position:

- Upper left-hand corner for the DXi3500
- Lower left-hand corner for the DXi5500

Figure 12 Installing the BBU Tray (DXi3500)

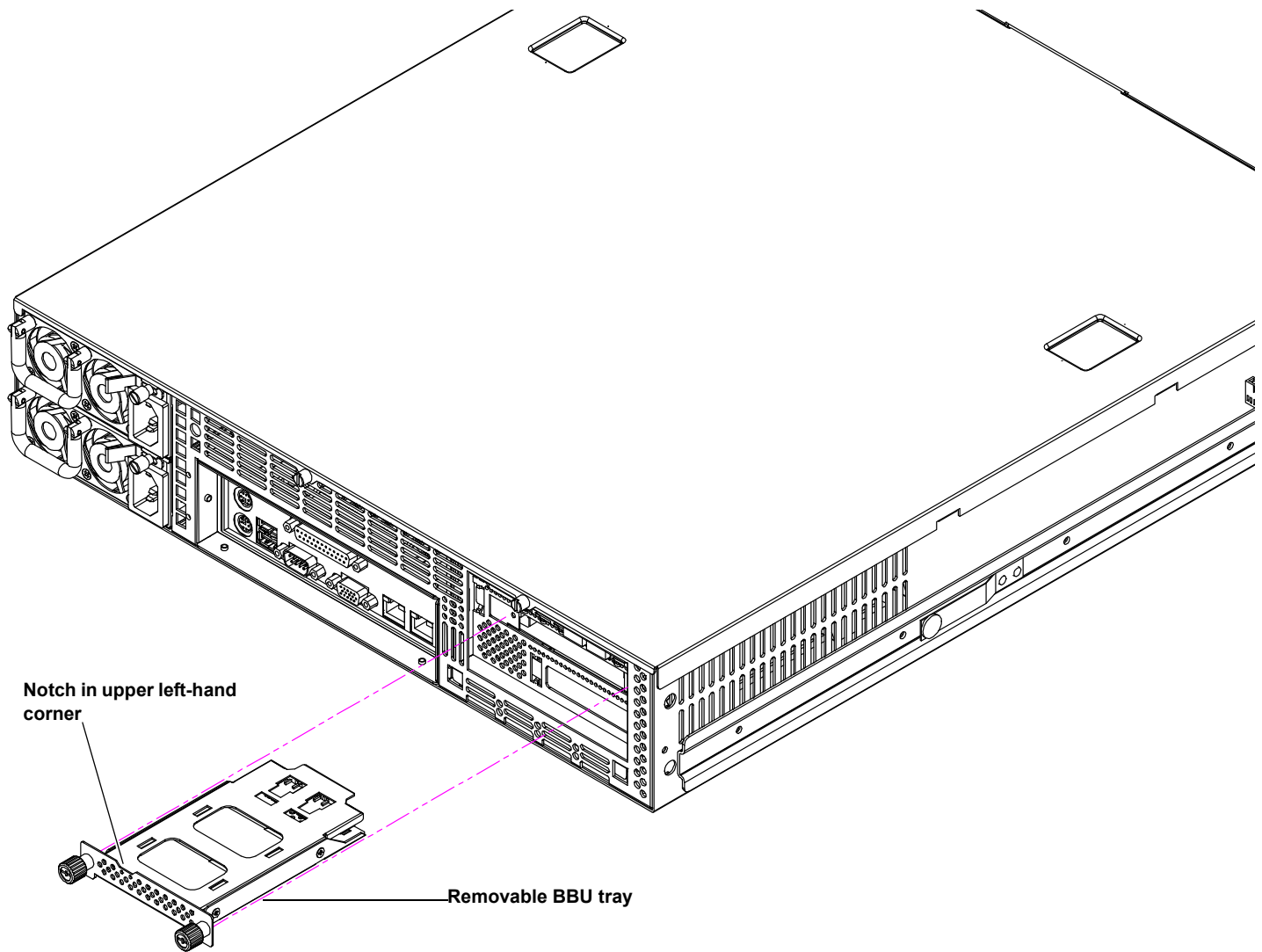
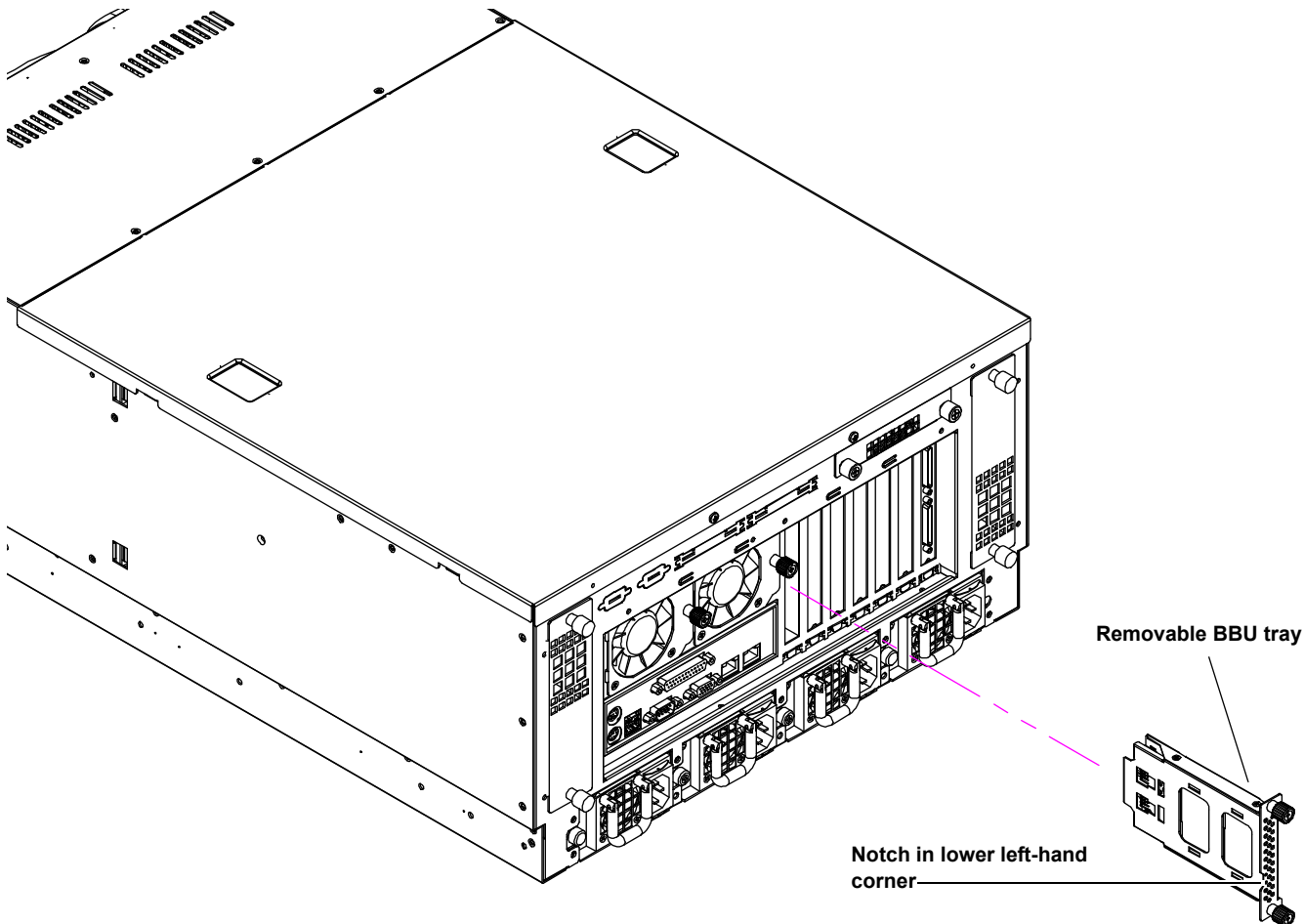




Figure 13 Installing the BBU Tray (DXi5500)



The DXi3500/DXi5500 chassis is now installed in the rack.

## Cabling the DXi3500/DXi5500

The cabling instructions differ depending on the system installed. Refer to the following sections for either the DXi3500 or DXi5500 system:

- [Cabling a DXi3500 System](#)
- [Cabling a DXi5500 System](#)

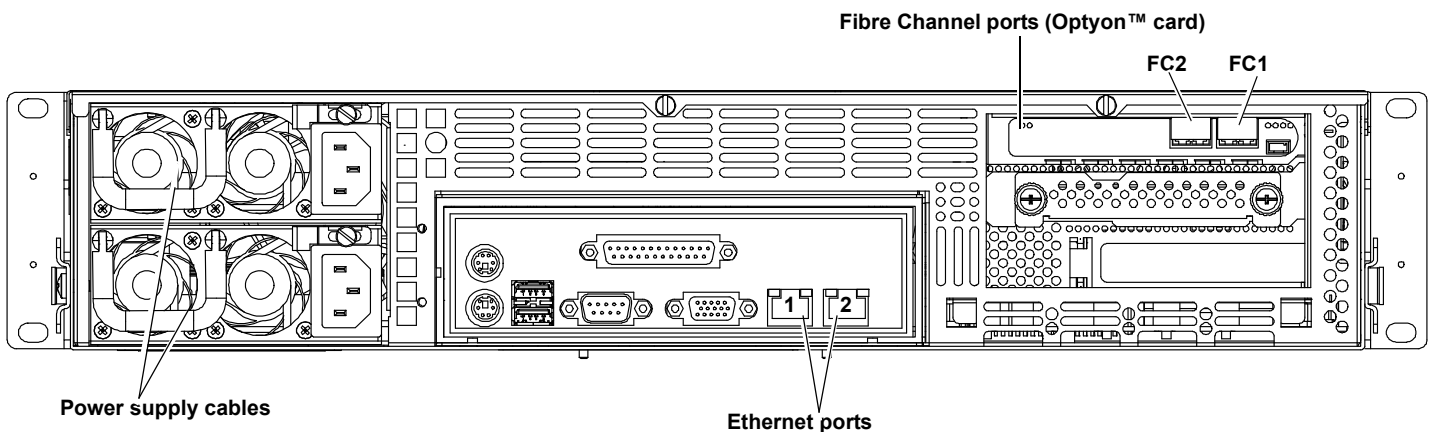
### Cabling a DXi3500 System

Connect the following cables to the back of the DXi3500 system (see [figure 14](#)):

- Connect a power cable to each power supply and to a power source
- Fibre Channel cable (optional) to Opyton card and storage area network (SAN) or host.

**Note:** Do not connect the Ethernet cables to the local area network (LAN) at this time.

Figure 14 DXi3500 System Cabling



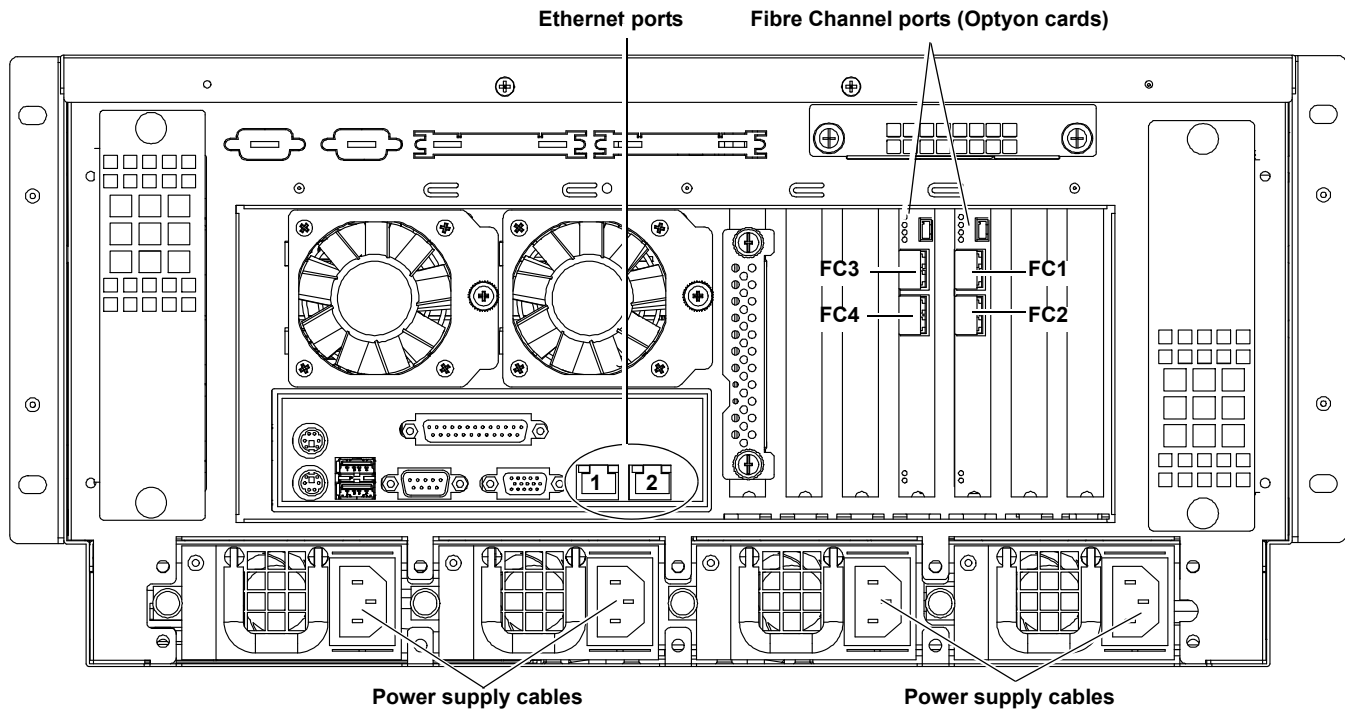
### Cabling a DXi5500 System

Connect the following cables to the back of the DXi5500 system (see [figure 15](#)):

- Connect a power cable to each power supply and to a power source
- Fibre Channel cable (optional) to Opyton card and storage area network (SAN) or host.

**Note:** Do not connect the Ethernet cables to the local area network (LAN) at this time.

Figure 15 DXi5500 System Cabling



## Initial Configuration

Before the DXi3500/DXi5500 is operational, you must configure the system by completing the remote management setup screens.

Configuring the DXi3500/DXi5500 consists of the following major steps:

- Accept the License Agreement
- Complete the Network Configuration
- Complete the User Registration
- Set the Date and Time
- Create Cartridges on the DXi3500/DXi5500

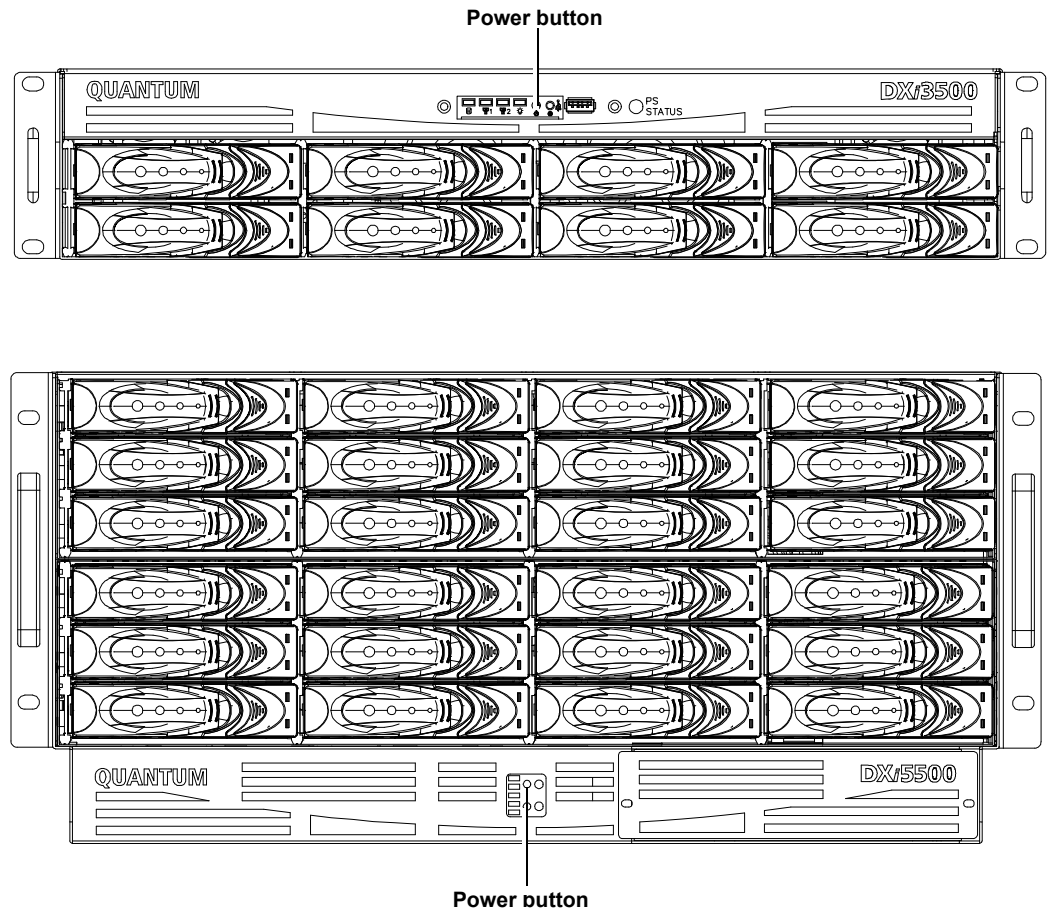
To configure the DXi3500/DXi5500:

**Note:** Ensure that all Fibre Channel hosts/switches or Ethernet switches are powered on before turning on the DXi3500/DXi5500 system.

- 1 Turn on the DXi3500/DXi5500 system by pressing the power button located on the front of the chassis (see [figure 16](#)).

**Note:** Wait 10 minutes before continuing with the procedure.

Figure 16 Power Buttons



**Note:** The system BBU may take a number of hours to fully charge, during this time the DXi3500/DXi5500 will run in a slower mode.

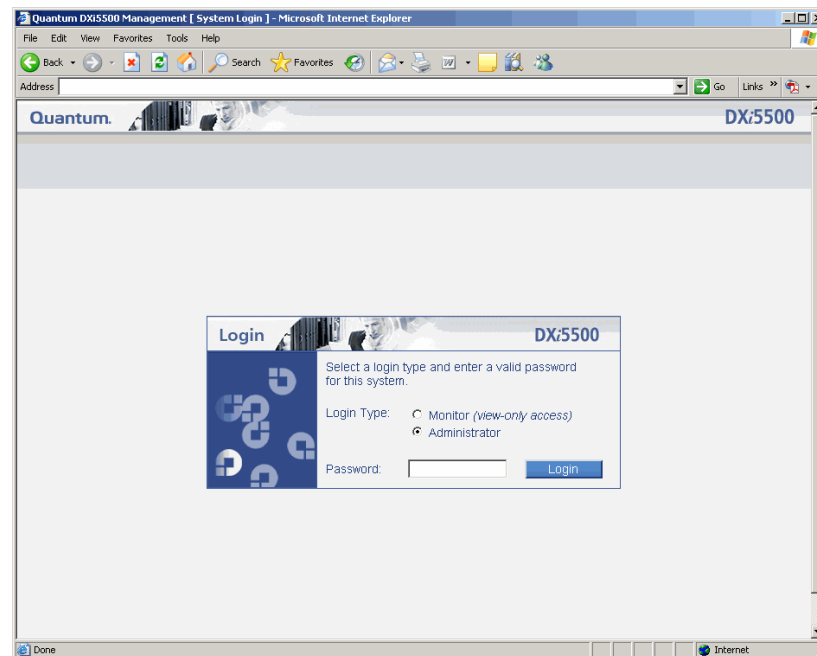
- 2 Connect an Ethernet cable to port ETH1 and to the local area network (LAN) (see [figure 14](#) for DXi3500 and [figure 15](#) for DXi5500).

- 3 On a computer on the same subnet as the DXi3500/DXi5500, enter the IP address of the system in the Address field of a web browser.

**Note:** The default IP address is: **10.1.1.1** for port 1 and **10.0.1.0** for port 2.

The **Log In** screen displays (see [figure 17](#)).

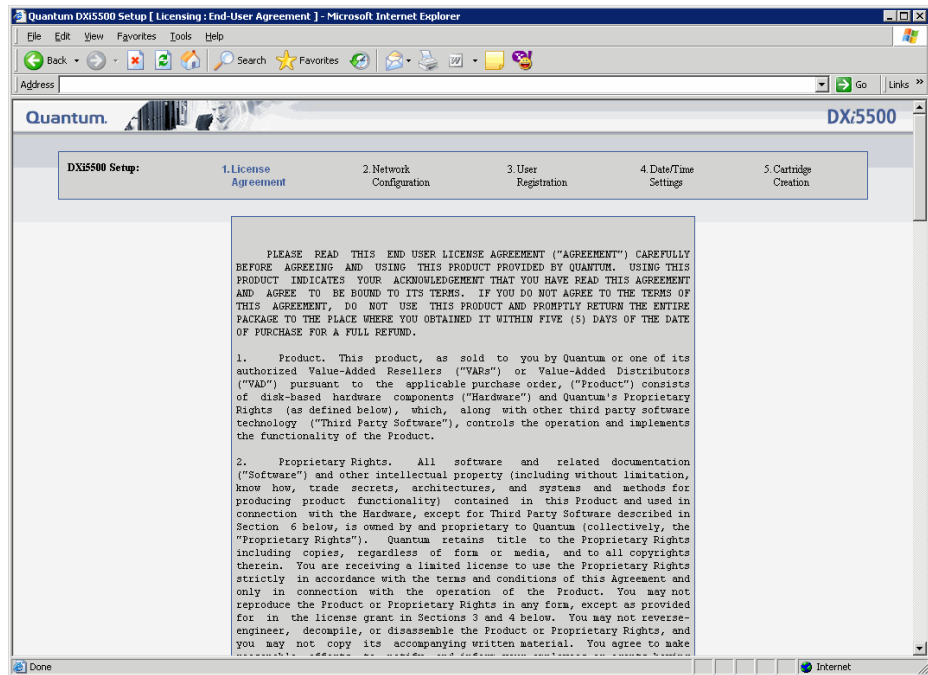
Figure 17 Log In Screen



- 4 Select **Administrator** and enter **password** for the password.

The **License Agreement** screen displays (see [figure 18](#)).

Figure 18 License Agreement

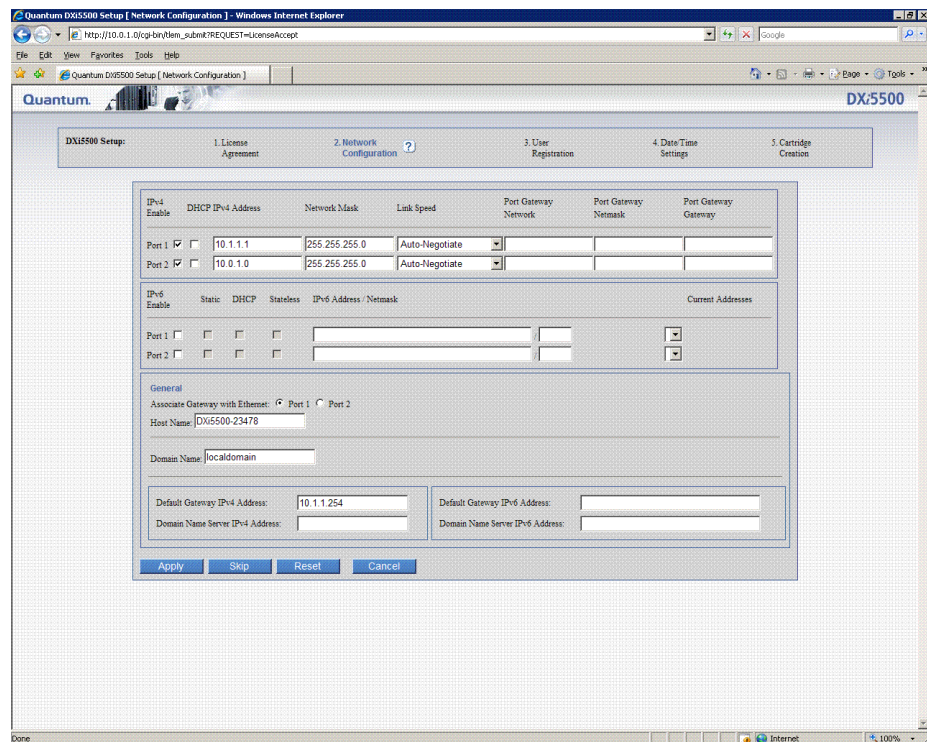


5 Read the license agreement and press **I Accept** to continue.

**Note:** If you do not accept the license agreement, the DXi3500/DXi5500 will not function.

The **Network Configuration** screen displays (see [figure 19](#)).

Figure 19 Network Configuration



The **Network Configuration** page contains links to individual Ethernet port information as well as general network information.

- 6 Select the IP address type (**IPv4** and **IPv6**) and edit the information as desired (see [table 2](#) for IPv4 and [table 3](#) for IPv6).

**Note:** When DHCP is disabled, the default IP address for port 1 is 10.1.1.1. with a netmask of 255.255.255.0 The default IP address for port 2 is 10.0.1.0. with a network mask of 255.255.0.0.

Table 2 IPv4 Network Configuration Fields

Field	Description	
<b>IPv4 Enable</b>	Enable or disable <b>IPv4</b> on the specific DXi3500/DXi5500 port ( <b>Port 1</b> and <b>Port 2</b> ).	
<b>DHCP</b>	Enable or disable <b>DHCP</b> on the specific DXi3500/DXi5500 port ( <b>Port 1</b> and <b>Port 2</b> ).	
<b>IPv4 Address</b>	Set the <b>IPv4 address</b> for the DXi3500/DXi5500 system.	
<b>Network Mask</b>	Set the <b>Network Mask</b> for the DXi3500/DXi5500 system.	
<b>Link Speed &amp; Duplex</b>	Set the <b>Link Speed</b> and <b>Duplex</b> for the DXi3500/DXi5500 system ( <b>10/100/half/full/auto</b> ).	
<b>Port Gateway</b>	The <b>Port Gateway</b> is a static route you can configure for this interface. It is optional. If you want to configure a route, you must specify all three fields ( <b>Network</b> , <b>Netmask</b> , and <b>Gateway</b> ).	
	<b>Network</b>	Set the <b>Network Address</b> of this route. Usually, it is the subnet of the static IPv4 address.
	<b>Netmask</b>	Set the <b>Network Mask</b> for this route.
	<b>Gateway</b>	Set the <b>Gateway</b> for the IPv4 address for IPv4 route.

Table 3 IPv6 Network Configuration Fields

Field	Description
<b>IPv6 Enable</b>	Enable or disable <b>IPv6</b> on the specific DXi3500/DXi5500 port ( <b>Port 1</b> and <b>Port 2</b> ).
<b>Static</b>	Enable or disable <b>Static</b> on the specific DXi3500/DXi5500 port ( <b>Port 1</b> and <b>Port 2</b> ).
<b>DHCP</b>	Enable or disable <b>DHCP</b> on the specific DXi3500/DXi5500 port ( <b>Port 1</b> and <b>Port 2</b> ).
<b>Stateless</b>	Enable or disable <b>Stateless</b> on the specific DXi3500/DXi5500 port ( <b>Port 1</b> and <b>Port 2</b> ).
<b>IPv6 Address</b>	Set the <b>Static IP</b> address for the DXi3500/DXi5500 system.
<b>Network Mask</b>	Set the <b>Network Mask</b> for the DXi3500/DXi5500 system.
<b>Current Addresses</b>	View all the IPv6 addresses available to the corresponding port i.e., Static, DHCP, stateless, and link local on the IPv6 route.

- 7 In the **General** area, select the port you wish to associate with the default gateway.
- 8 Set the default **IPv4 Gateway**, **Host**, **Domain** information, and **IPv6 Gateway** information.



**9 Click Apply.**

**Note:** In case of **IPv4 Configuration**, if the system has DHCP enabled and cannot receive an IPv4 address from the DHCP server, the system will reset back to the default IPv4 address (**10.1.1.1 for port 1** and **10.0.1.0 for port 2**). If the port has DHCP enabled, the DHCP server provides the default gateway, domain name, and DNS IP address even though the user has entered values for these fields.

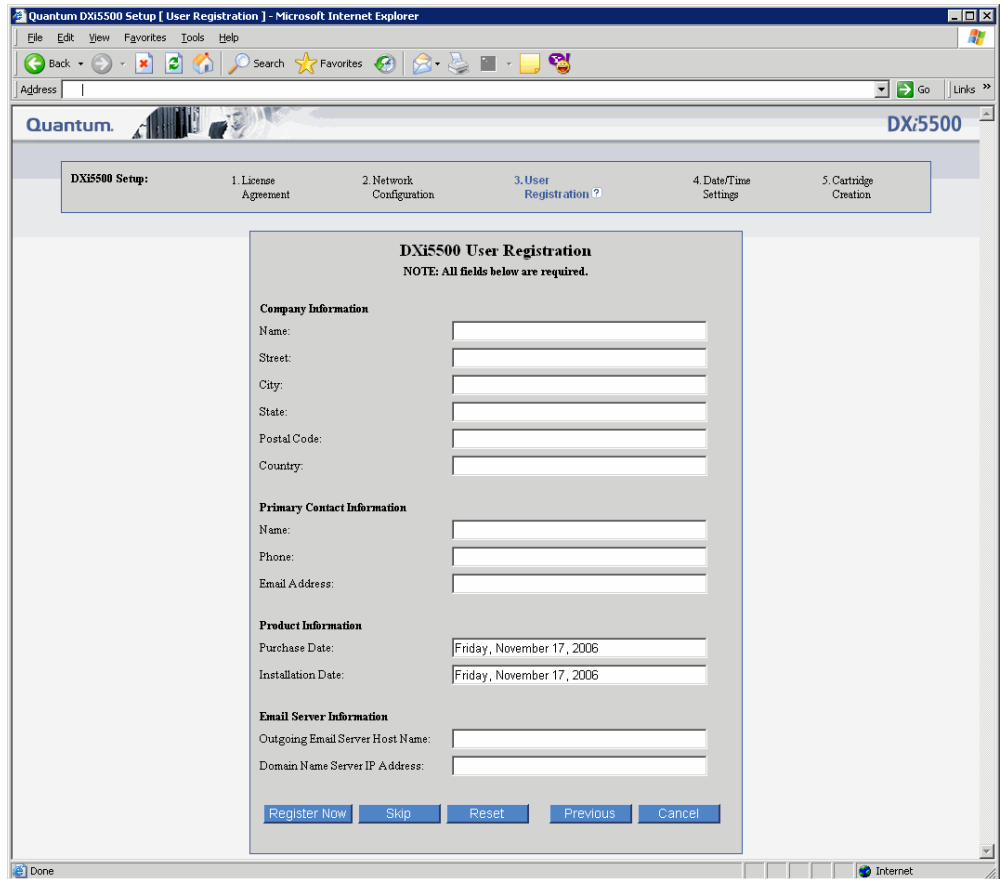
In case of **IPv6 Configuration**, if the system has DHCP enabled and cannot receive an IPv6 address from the DHCP server, the system will reset back to the default IPv6 address (**2001:1:1:1 for port 1** and **2001:1:1:1 for port 2**). If the port has DHCP only enabled, the DHCP server provides the default gateway, domain name, and DNS IP address, even though the user has entered values for these fields.

If the network settings have been changed, the network services will restart. This may take up to a minute to complete.

**Note:** Refer to the *Quantum DXi3500 and DXi5500 User's Guide* (PN 81-81701) for additional network configuration information.

The **User Registration** screen displays (see [figure 20](#)).

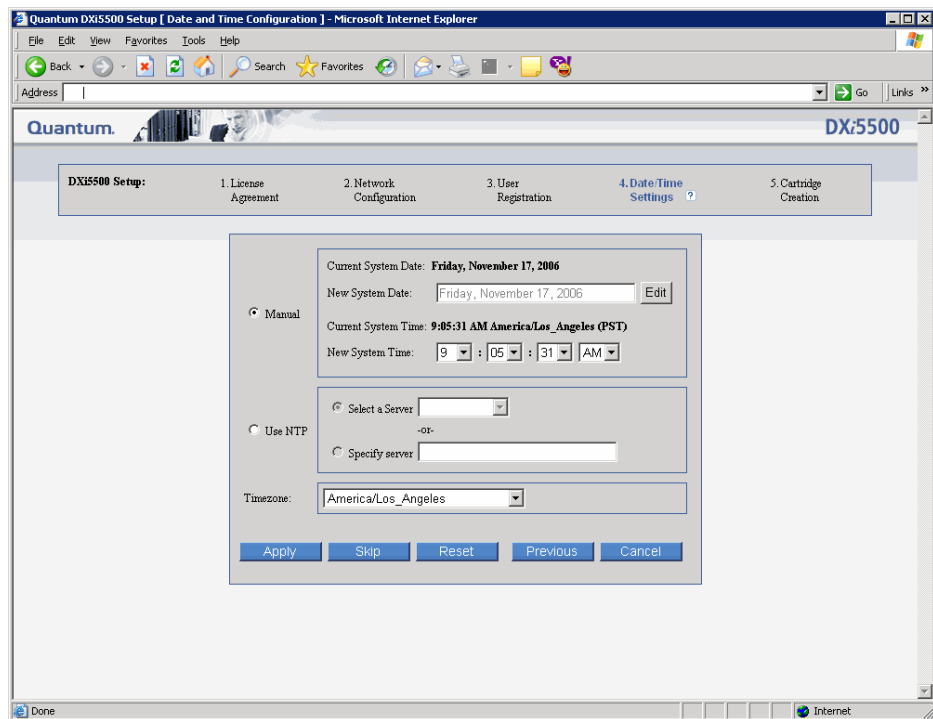
Figure 20 User Registration



- 10 The registration information is sent to Quantum to allow the system to be easily serviced and maintained. If you do not want to register on-line, press **Skip**, then fill out and mail the warranty card included in the DXi3500/DXi5500 accessory kit. When finished, click **Register Now** to continue.

The **Date and Time** screen displays (see [figure 21](#)).

Figure 21 Date and Time Configuration

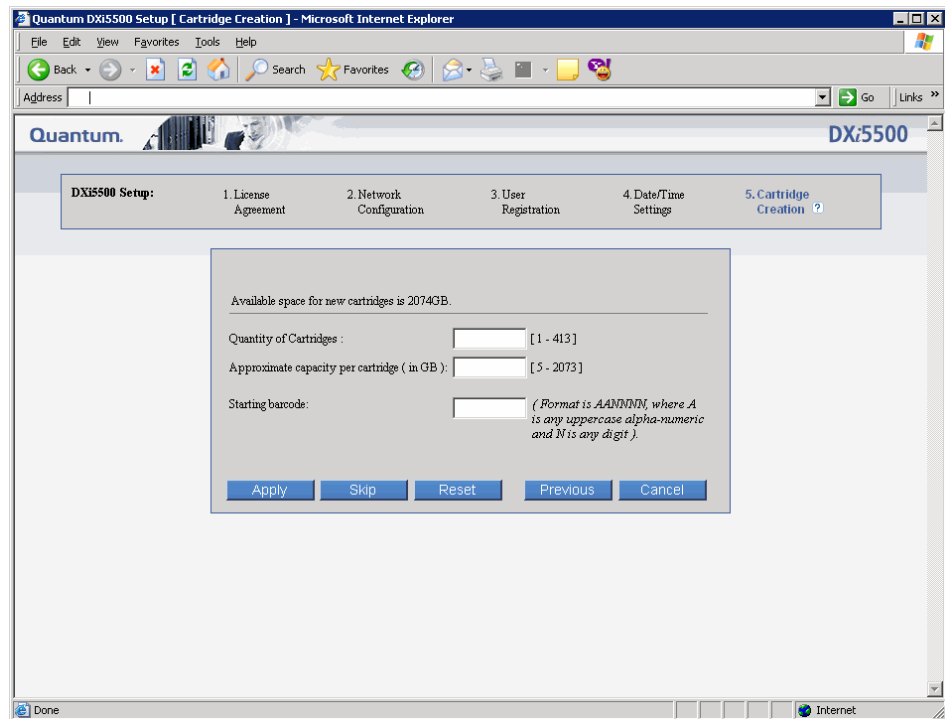


- 11 There are two options for setting the system date and time:
  - a Select **Manual** to manually set the system date and time using the **Edit** button for the system date and drop down boxes for the system time.
  - b Select **Use NTP** (Network Time Protocol) to synchronize the DXi3500/DXi5500 system to an NTP server. The “Select a Server” selection makes a list of well-known NTP servers such as the U.S. Naval Observatory Master Clocks in Washington, DC and Colorado Springs, Colorado available. The “Specify server” selection enables you to type the name or IP address of any desired NTP server. NTP sends periodic time requests to the DXi3500/DXi5500 system, obtaining time stamps and using them to adjust the system’s clock.
  - c Select the **Timezone**.
  - d Click **Apply**.

**Note:** Saving the new date and time settings may cause the login session to expire. If necessary, log back into the system to continue the setup.

The **Cartridge Creation** screen displays (see [figure 22](#)).

Figure 22 Cartridge Creation



- 12** Enter the quantity of tape cartridges.

**Note:** The quantity should not exceed the maximum limit set for the number of cartridges that can be created. The minimum value for the number of cartridges is 1.

- 13** Enter the capacity required for each tape cartridge.

**Note:** The capacity should not exceed the maximum limit set for the capacity of the cartridge. The minimum value for cartridge capacity is 5 GB.

- 14** Enter the starting cartridge barcode.

**Note:** The barcode format must be AANNNN, where A is any uppercase alpha-numeric character and N is any single digit (0-9). Barcodes automatically increment.

- 15** Click **Apply**.

The cartridges are created and are available on the DXi3500/DXi5500 system. The **Finish System Setup** screen displays.

- 16** Click **OK** to apply your settings.

## Creating a Partition

After you have initially configured your DXi system and created cartridges, you must create a partition before backing up data to your system.

Creating a partition and a new system consists of the following steps:

- [Deleting the Default Partition](#)
- [Creating a New Partition](#)
- [Creating Device Mappings](#)

### Deleting the Default Partition

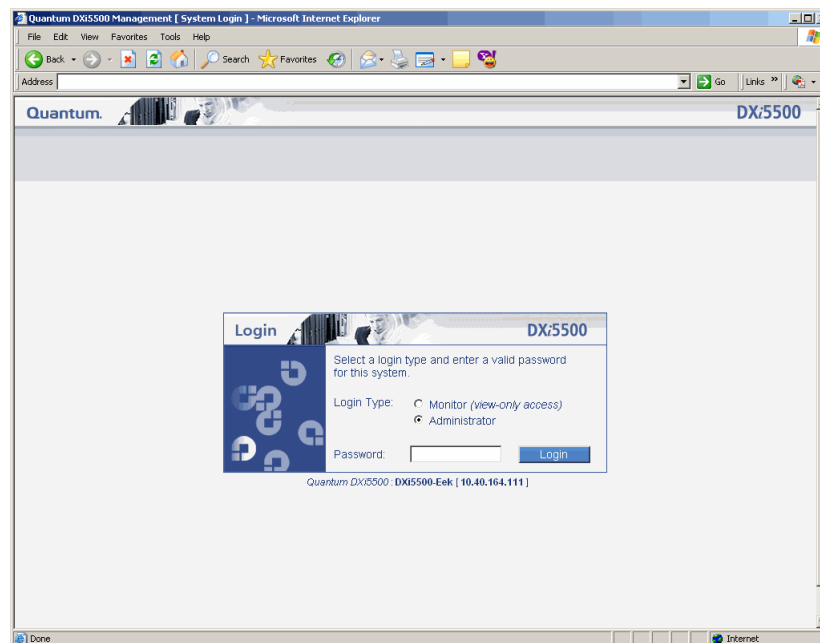
Every DXi3500/DXi5500 is shipped with a default partition that consists of six tape drives and the number of tape cartridges created during the installation wizard setup. Before you can create a new partition, you must first delete the original default partition.

To delete the default partition:

- 1 On a computer on the same subnet as the DXi3500/DXi5500, enter the IP address of the system in the Address field of a web browser (see [figure 23](#)).

**Note:** This IP address was set during the installation wizard setup (see [figure 19](#)).

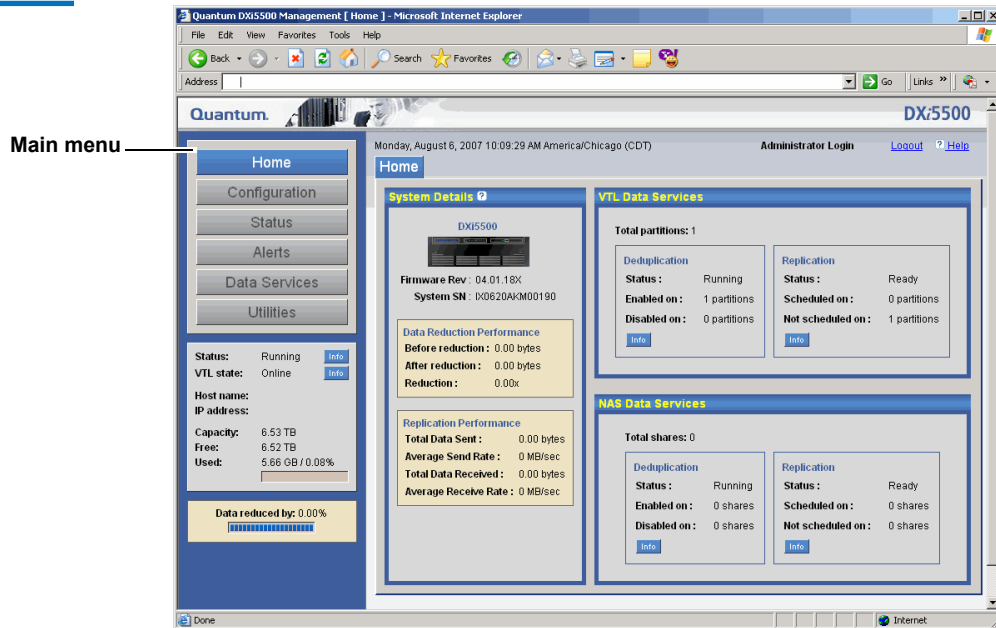
Figure 23 Logging into the System



- 2 Select **Administrator** from the **Login Type** list and enter the **Administrator Password**. The default password is **password**.

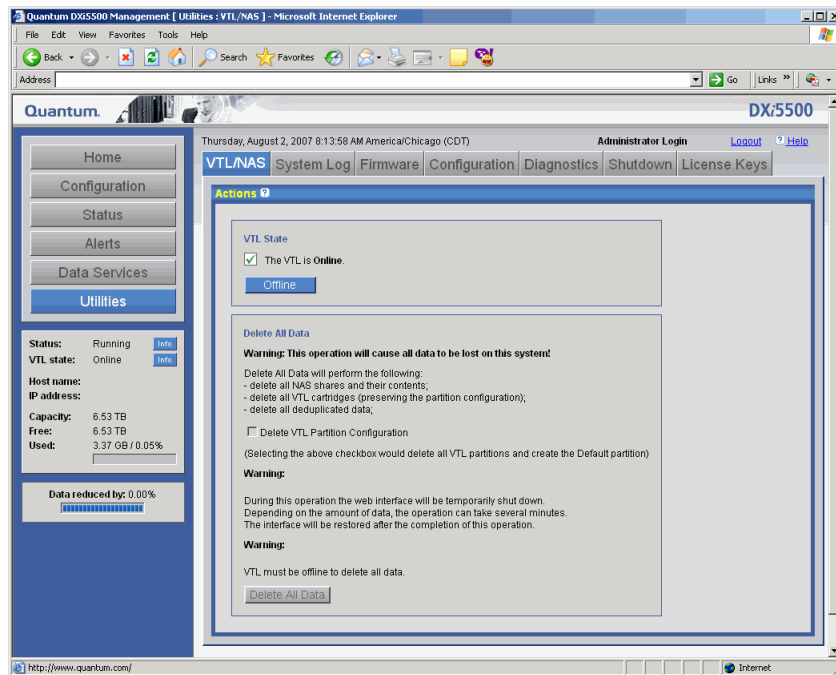
The **Home** screen displays (see [figure 24](#)).

Figure 24 Home Screen



- 3 You must turn the system offline before you can delete the **Default Partition**. Click **Utilities** from the **Main menu** to turn the system offline (see [figure 25](#)).

Figure 25 Utilities Screen



- 4 Click **Offline** to turn the system offline.  
The system is offline.
- 5 Click **Configuration** from the **Main menu** and select the **VTL** tab (see [figure 26](#)).

Figure 26 VTL Tab Screen

Quantum DXi5500 Management [ Configuration : VTL ] - Microsoft Internet Explorer

Quantum DX:5500

Tuesday, March 6, 2007 7:05:09 AM America/Los\_Angeles (PST) Administrator Login Logout Help

Storage **VTL** Network Date & Time Security Hardware

[Partitions] Write Protection Barcode Assignment Properties

Partitions 0

Note: Maximum allowed Tape Drives is 64.

Total Number of Assignable Tape Drives: 58  
 Number of Unassigned Tape Drives: 58  
 Number of Unassigned Tape Cartridges: 0

Name	Number of Tape Drives	Number of Tape Cartridges	Inquiry Identity	Number of Empty Bins	Deduplication State
Default	6	100	Quantum DXi	0	Enabled

Default partition

Status: Running info  
 VTL state: Offline info  
 Host name:  
 IP address:  
 Capacity: 6.53 TB  
 Free: 6.53 TB  
 Used: 3.38 GB / 0.05%  
 Data reduced by: 0.00%

6 Click the **Default Partition** link.

The **Default Partition** screen displays (see [figure 27](#)).

Figure 27 Default Partitioning Screen

Quantum DXi5500 Management [ Configuration : VTL ] - Microsoft Internet Explorer

Quantum DX:5500

Tuesday, March 6, 2007 7:06:23 AM America/Los\_Angeles (PST) Administrator Login Logout Help

Storage **VTL** Network Date & Time Security Hardware

[Partitions] Write Protection Barcode Assignment Properties

Edit Partition 0

Name: Default  
 Type of Library: Quantum DXi  
 Type of Tape Drives: Quantum DLT 7000  
 Number of Tape Drives: 6  
 Number of Empty Bins: 0  
 Total Number of Storage Bins: 100

Available Tape Cartridges:

Barcode	Location	Status	Used
EE0000	Bin 0000	Accessible	0.00%
EE0001	Bin 0001	Accessible	0.00%
EE0002	Bin 0002	Accessible	0.00%
EE0003	Bin 0003	Accessible	0.00%
EE0004	Bin 0004	Accessible	0.00%
EE0005	Bin 0005	Accessible	0.00%
EE0006	Bin 0006	Accessible	0.00%
EE0007	Bin 0007	Accessible	0.00%
EE0008	Bin 0008	Accessible	0.00%
EE0009	Bin 0009	Accessible	0.00%
EE0010	Bin 0010	Accessible	0.00%
EE0011	Bin 0011	Accessible	0.00%
EE0012	Bin 0012	Accessible	0.00%
EE0013	Bin 0013	Accessible	0.00%
EE0014	Bin 0014	Accessible	0.00%

Selected Tape Cartridges:

Barcode	Location	Status	Used
EE0000	Bin 0000	Accessible	0.00%
EE0001	Bin 0001	Accessible	0.00%
EE0002	Bin 0002	Accessible	0.00%
EE0003	Bin 0003	Accessible	0.00%
EE0004	Bin 0004	Accessible	0.00%
EE0005	Bin 0005	Accessible	0.00%
EE0006	Bin 0006	Accessible	0.00%
EE0007	Bin 0007	Accessible	0.00%
EE0008	Bin 0008	Accessible	0.00%
EE0009	Bin 0009	Accessible	0.00%
EE0010	Bin 0010	Accessible	0.00%
EE0011	Bin 0011	Accessible	0.00%
EE0012	Bin 0012	Accessible	0.00%
EE0013	Bin 0013	Accessible	0.00%
EE0014	Bin 0014	Accessible	0.00%

Delete

Status: Running info  
 VTL state: Offline info  
 Host name:  
 IP address:  
 Capacity: 6.53 TB  
 Free: 6.53 TB  
 Used: 3.38 GB / 0.05%  
 Data reduced by: 0.00%

7 Click **Delete** to delete the **Default Partition**.

You are prompted to confirm the partition deletion.

8 Click **Yes** to continue.

You are prompted to confirm the tape cartridge erasure.

- 9 Click **Yes** to continue.

You are warned that erasing the tape cartridges will destroy any data on the tape cartridges.

- 10 Click **Yes** to continue.

The **Default Partition** is deleted.

- 11 Click **OK** to continue.

Continue with [Creating a New Partition](#)

## Creating a New Partition

After the default partition has been deleted, you can now create a new partition.

To create a new partition:

- 1 Click **Add** from the **VTL** tab on the **Configuration** screen.

The **Add Partition** screen displays (see [figure 28](#)).

Figure 28 Add Partition Screen

The screenshot shows the 'Add Partition' screen in the Quantum DXi5500 Management interface. The interface is divided into several sections:

- Partition information:** This section includes fields for Name, Type of Library (Quantum DXi), Type of Tape Drives (Quantum DLT 7000), Number of Tape Drives (1), and Number of Empty Bins (0).
- Deduplication state:** This section includes a checkbox for Deduplication State, which is currently set to 'Enabled'.
- Available tape cartridges:** This section includes a table of Available Tape Cartridges with columns for Barcode, Status, and Used. The table lists 15 cartridges (EE0000 to EE0014) with a status of 'Accessible' and a usage of '0.00%'.
- Selected tape cartridges:** This section includes a table of Selected Tape Cartridges with columns for Barcode, Status, and Used. This table is currently empty.
- Host information:** This section includes fields for Host name, IP address, Capacity (6.53 TB), Free (6.52 TB), and Used (4.44 GB / 0.07%).
- Data reduced by:** This section includes a field for Data reduced by (0.00%).

The interface is displayed in a Microsoft Internet Explorer browser window. The browser address bar shows 'http://www.quantum.com/'.

- 2 Enter the following **Partition** information:

- a Enter the **Partition Name**.
- b Select the **Type of Library** emulation, the default selection is **Quantum DXi**.

**Note:** Refer to your backup application documentation when choosing a library type. Select a library presentation that is supported by your backup application.



- c Select the **Type of Tape Drives**, the default selection is **Quantum DLT7000**.

**Note:** Refer to your backup application documentation when choosing a tape drive type. Select a tape drive presentation that is supported by your backup application.

- d Enter the **Number of Tape Drives**. The maximum number is 64.
  - e Enter the **Number of Empty Bins**.
  - f Select the **Deduplication State**. The default setting is **Enabled**. Once you have created a partition, the deduplication setting cannot be changed.
  - g Select the tape cartridges from the **Available Tape Cartridge** list and click the **Move** button to move the tape cartridges to the **Selected Tape Cartridge** list.
- 3 Click **Apply** to create the new partition.  
You are prompted to confirm the partition creation.
  - 4 Click **Yes** to continue.  
The new partition is created.
  - 5 Click **OK** to continue.  
Continue with [Creating Device Mappings](#).

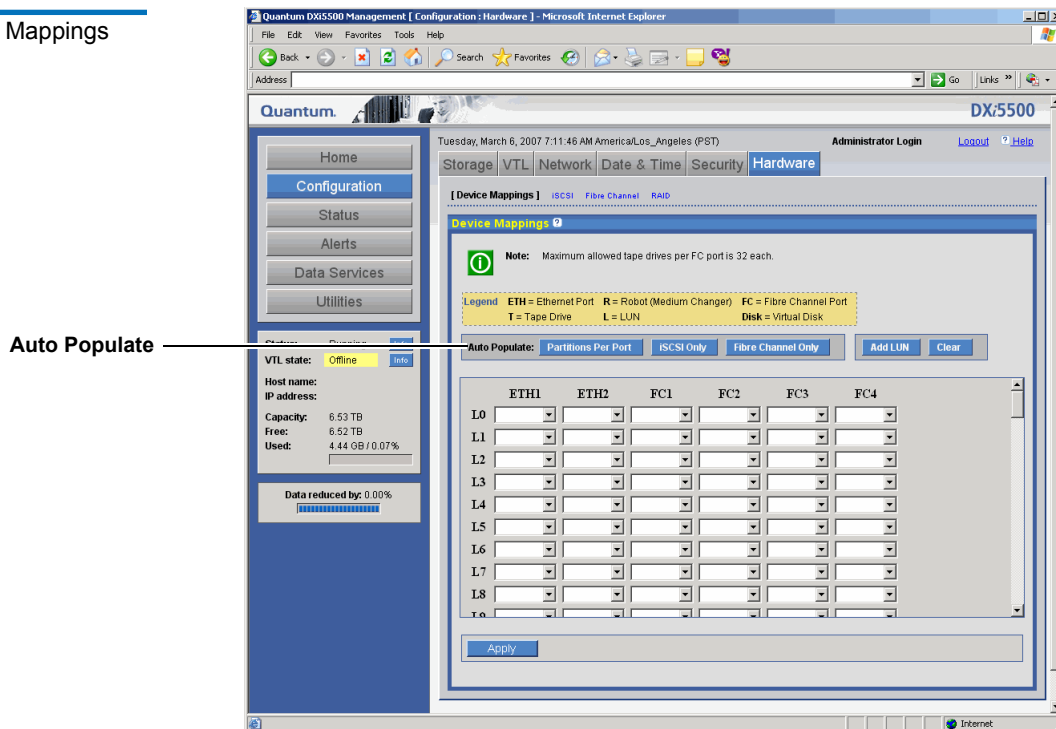
## Creating Device Mappings

After you have created the new partition, you must assign device mappings so it can be available on the LAN or SAN network for backups.

To create device mappings:

- 1 Click **Hardware** from the **Configuration** menu.  
The **Device Mappings** screen displays (see [figure 29](#)).

Figure 29 Device Mappings Screen



- 2 There are three ways to auto populate the device mappings:
  - a Click **Partitions Per Port** to automatically assign the partition to the first available port.
  - b Click **iSCSI Only** to automatically assign the partition to the first available iSCSI port.
  - c Click **Fibre channel Only** to automatically assign the partition to the first available Fibre Channel port.
- 3 You can manually assign the partition to a particular port by selecting the drop down boxes under each port and assigning the robot and tape drives accordingly.

**Caution:** If you are manually assigning the robot and tape drives to your Ethernet and Fibre Channel ports, you **MUST** assign the devices in numeric order starting with L0 and continuing with L1, L2, L3 and so forth. You **MUST** restart with L0 for each additional port. Do **NOT** assign the devices out of order.

- 4 If additional LUNs are required, click **Add LUN**.
- 5 Click **Apply** to create the device mappings.  
The device mappings are created.
- 6 Click **OK** to continue.  
The partition is available for backups.
- 7 From the **Utilities** page, click **Online** to turn the system online.  
The system is online.

## Creating a NAS Share

The DXi3500 and DXi5500 systems have the ability to serve as a NAS appliance for backup purposes. The **NAS** page is used to configure the NAS portion of the system.

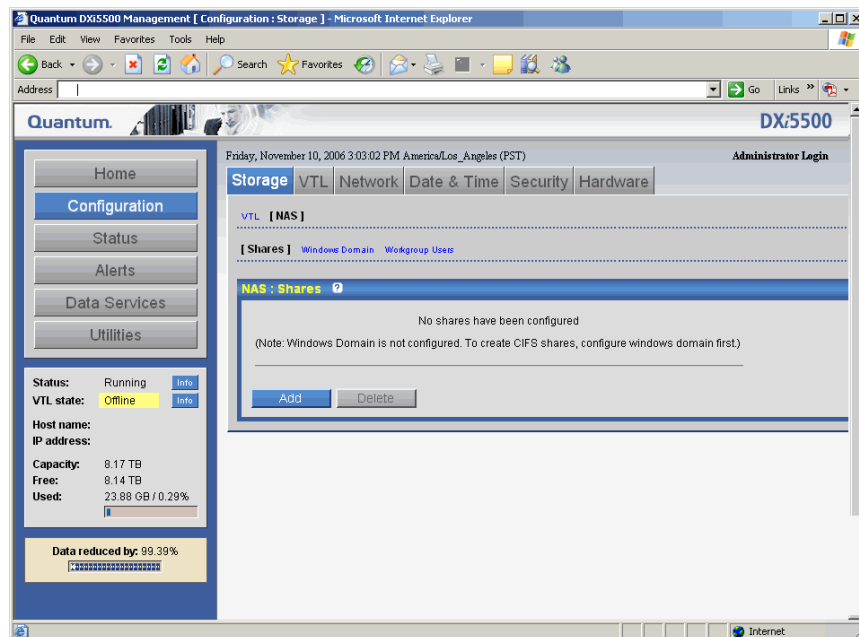
**Note:** If this is a Windows NAS share, you must configure the Windows domain (see the *Quantum DXi3500 and DXi5500 User's Guide*, PN 81-81701) prior to creating your NAS share.

To access the **NAS** page:

- 1 From the **Storage** tab, click the **NAS** link.

The **NAS** page displays (see [figure 30](#)).

Figure 30 NAS Page

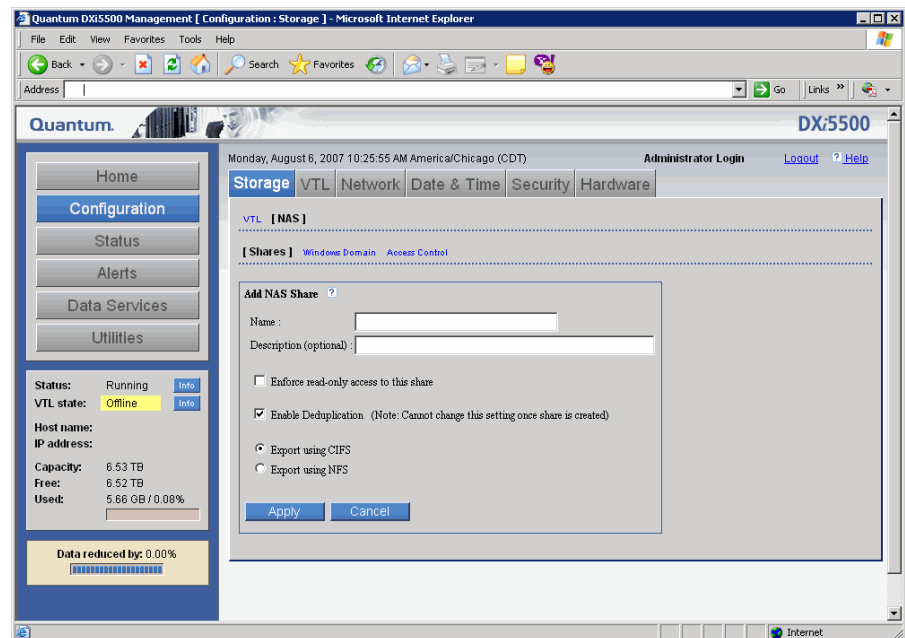


- 2 Click **Add** to add a NAS share.

**Note:** To **Edit** a share, click the **Share Name** link.

The **Add NAS Share** page displays (see [figure 31](#)).

Figure 31 Add NAS Share Page



- 3 Edit the **NAS** share information as desired (see [table 4](#) for a description of the fields).

**Note:** If you are editing a share, only the **Description** and **Enforce read-only access to this share** options can be edited.

- 4 Click **Apply**.

Table 4 NAS Share Fields

Field	Description
<b>Name</b>	Enter a name for the NAS share.
<b>Description (optional)</b>	Enter a description for this NAS share (optional).
<b>Enforce Read Only Access to this Share</b>	Select this option to make this NAS share read only. Once selected, you will not be able to write to this share.
<b>Enable De-duplication</b>	Enable de-duplication to optimize disk usage. De-duplication can only be enabled or disabled while a share is being created.
<b>Export using CIFS</b>	Select CIFS protocol for use on a Windows network.
<b>Export using NFS</b>	Select NFS protocol for use on a Linux network.

The DXi3500/DXi5500 is configured and ready for operation. Refer to the *Quantum DXi3500 and DXi5500 User's Guide* (PN 81-81701) for additional information on the remote management screens. If you need to enable any licensed features such as data replication, refer to the **License Key** section in the *DXi3500 and DXi5500 User's Guide*.

**Note:** At the time of installation, your BBU may not be fully charged. Until the system has completed a BBU recharge, it is possible your system performance will be degraded. When the BBU is fully charged, the system will return to a normal status. Recharging the BBU may take up to four hours.



81-81700-03 A01



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