

Basic Configuration (Network, Segmentation)

Edit Network Configuration. Go to **Configuration > System**. Consult your network administrator prior to changing any of the information. (*StorNext M330 Hardware Guide*, "Network Configuration" section)

Status and Notifications / Alert Options

1. Set up Email notifications. Go to **Configuration>Email Notifications >New**. (*StorNext M330 User's Guide*, "Email Configuration" section)
2. Check the system status on the Home page. (*StorNext M330 Hardware Guide*, "M330 Status" chapter)
3. Run various diagnostic health checks by category. Go to **Service > Health Check > Run Selected/Run All**

Troubleshooting and Technical Support

1. Review the Admin Alerts and Tickets buttons. Follow the suggested actions in the *StorNext M330 User's Guide*. (Refer to the "Service Tickets" section)
2. Review the "Troubleshooting" section in the *StorNext M330 Hardware Guide*.
3. Review logs and capture support data.
 - View log files by category: **Reports > Logs**
 - Download log files for Technical Support. They will need these to troubleshoot problems.
 - **Service > Capture State > Capture/Download**
 - **Service > Capture DSET > Capture/Download**
 - Quantum Support will direct you on where and how to transfer these files.
4. Interpret activity and status LEDs as described in the *StorNext M330 Hardware Guide*. (Refer to the "StorNext M330 Components and Operations" section)
5. For additional troubleshooting resources and technical support:
 - Visit www.quantum.com/ServiceAndSupport to access the Knowledge Base.
 - Log and track service requests using Quantum's Online Service Request System at: https://onlineservice.quantum.com/OA_HTML/xxibu/jtflogin.jsp
 - Contact Quantum Support at 800-284-5101. You will need your system serial number as described above. For contact information outside the U.S., go to: <http://www.quantum.com/ServiceandSupport/Contacts/Index.aspx>

Quantum®

StorNext M330 User Essentials



Quantum's StorNext M330 is an all-in-one appliance combining the powerful file sharing capabilities of StorNext with pre-configured hardware and software.

Customer Training and Documentation

For StorNext M330 product documentation, go to <http://www.quantum.com>. Hover your mouse pointer over **Support** and click the **Learn More** icon in the **Documentation and Downloads** section. In the **Select Your Product** area, click **Choose a Product** and select **StorNext Products > StorNext M330**. Click the **Documentation** tab. Use the following documents:

- *StorNext M330 Hardware Guide* – Also available from the StorNext M330 GUI. Provides hardware-specific information.
- *StorNext M330 Site Planning Guide* – Provides information such as environmental requirements.
- *StorNext User's Guide* – Also available from the StorNext M330 GUI. Provides information on using and managing StorNext software. Additional StorNext software documentation, such as the Compatibility Guide, is available from <http://www.quantum.com>.

Licensed Features

1. On the StorNext M330 GUI, go to **Configuration > Licenses** and review the licensed features.

The following licensed features are factory-installed on the system:

- **StorNext File System**: Enables the ability to create and modify StorNext-supported file systems.
- **StorNext Failover (High Availability)**: Provides the ability to configure and operate a redundant server that can quickly assume control of the StorNext file systems in the event of certain software, hardware and network failures on the primary server.
- **SAN Clients**: Includes 10 customer StorNext SAN clients for any supported OS. Additional licenses can be purchased separately.
- **Maintenance**: A maintenance license is factory-installed.

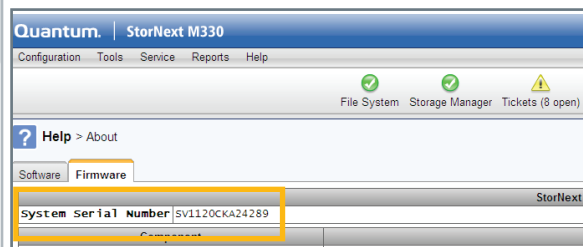
The following optional features can be purchased separately:

- **Storage Manager**: Allows StorNext M330 users to archive files to tape or disk.
- **Distributed Data Mover (DDM)**: A Storage Manager option to offload data movement from the StorNext M330 system.
- **Storage Disk**: A Storage Manager option allowing use of disk for secondary storage, rather than tape.
- **Vaulting**: Allows exporting of managed media from a library, freeing library space.
- **Advanced Integrity Module**: A Storage Manager option to verify data retrieved from tape.
- **Multi-mount**: Enables StorNext File System SAN clients to mount file systems from multiple StorNext Metadata Controllers (MDCs).
- **Distributed LAN Clients**: Allows connecting StorNext clients over LAN. LAN clients use a SAN Client as a Distributed LAN Server.
- **Replication**: Batch replication protects data by copying it elsewhere in the data center or off site. M330 replication is suitable for workloads of up to 75 MB/s.

Note: Deduplication is not supported on StorNext M330.

Locating the System Serial Number and ID Number

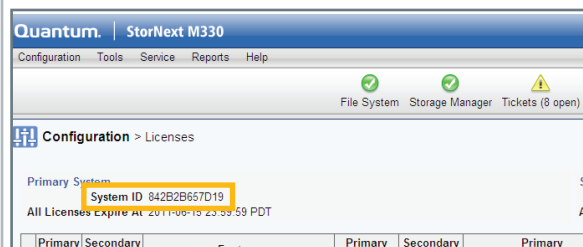
2. You will need to provide your system serial number for technical support.



Your System Serial Number:

Help > About > Firmware

In addition, you will need to provide the System ID number when obtaining additional licenses:

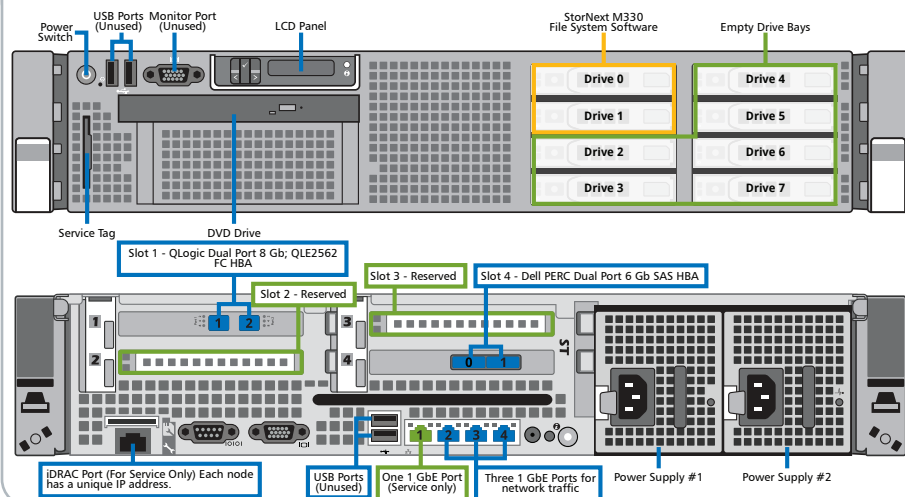


Your System ID Number:

Configuration > Licenses

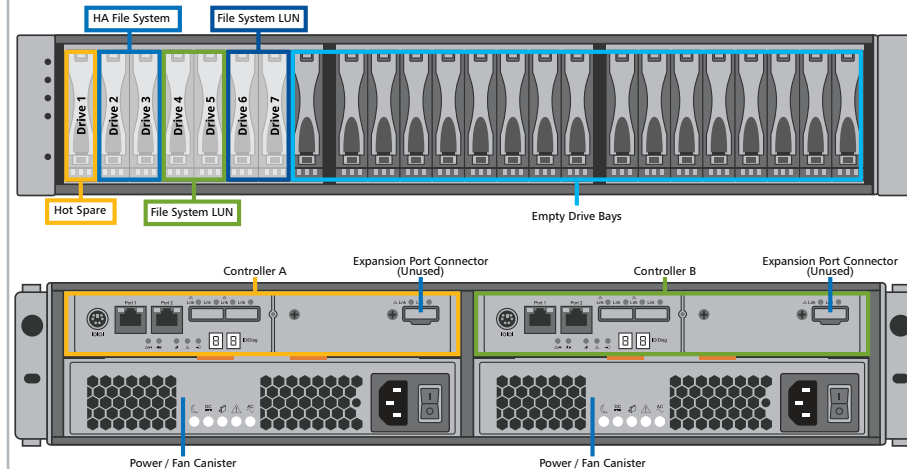
Hardware

The Quantum StorNext M330 is powered by a pair of metadata controllers (MDC) configured for automatic failover. Each controller has dual power supplies, redundant cooling and dual 8Gb Fibre Channel ports. Each MDC has two SAS hard disk drives (HDDs) in a RAID 1 configuration. The HDDs store the CentOS 5.4 OS software and StorNext M330 software.



Hardware (continued)

The **metadata array** contains SAS HDDs that are in a RAID 1 configuration for StorNext metadata and journal storage. The metadata array also features redundant power supplies and dual IO controller paths, enabling automatic IO failover. The StorNext M330 metadata array ships with one global hot spare, a LUN with a shared file system, and two additional LUNs for user file systems.



Basic Operation

1. Log on to GUI using the **admin** user and default password (**password**). You should reset this password. From **Tools > User Accounts**, select the admin user and enter a new password. Note and save the password.
2. To add user accounts, select **Tools > User Accounts > Add**; select the access controls and the roles you want the user to have.
3. To add a file system, select **Configuration > File Systems > New**; the number of file systems can be either two or four. The default is two file systems.
4. Power on and shutdown the StorNext M330 described in the *StorNext M330 Hardware Guide*. (Refer to the "Powering on the StorNext M330 System" and "Shutting Down the StorNext M330 System" sections.)
5. Monitoring from the StorNext GUI.
 - StorNext M330 **Home** page: Provides status and capacity monitors for file systems, libraries, storage disks, and tape drives.
 - StorNext Advanced Reporting: generate and view performance statistics for the StorNext M330 system and see how those statistics change over time. **Tools > Advanced Reporting**
 - Monitoring primary and secondary hardware components: shows up-to-date information about the system board, network ports and Fibre Channel ports for both MDCs, plus the storage arrays. **Reports > Hardware Status**

For context **Help**, click