

IBM TotalStorage
SAN Volume Controller



Installation Guide - Errata

Version 2.1.0

February 18, 2005

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About this guide

This guide provides errata information that pertains to release 2.1.0 of the *IBM TotalStorage SAN Volume Controller Installation Guide*.

This guide contains the corrections and additions on a per chapter basis. The chapter numbers in this guide correspond directly with the chapter numbers in the *Installation Guide* supplied with your SAN Volume Controller.

Who should use this guide

Before using the IBM TotalStorage SAN Volume Controller, you should review the errata contained within this guide and note the details with respect to the copy of the *Installation Guide* supplied with you SAN Volume Controller.

Last Update

This document was last updated: February 18, 2005

Chapter 2a. Master console

Chapter 2a must be inserted between Chapter 2 and Chapter 3. It contains a master console overview.

The SAN Volume Controller uses a master console to provide a single platform to configure, manage, and service the SAN Volume Controller. The master console can be ordered as a software package or as a hardware platform with the software pre installed. If the master console is delivered with the hardware platform you must follow the instructions in this book to install the hardware and prepare the master console for configuration by the customer.

The master console allows system administrators to integrate rapidly the SAN Volume Controller into their environment. The master console monitors the configuration of the whole system and all of the internal components. It offers a standard and central location for all aspects of the operation, including SAN topology rendering, SNMP trap management, Call Home (Service Alert) and Remote Service facilities, as well as all the configuration and diagnostic utilities for the components.

Note: VPN connection is required for Remote Service facilities.

The master console provides the following functions:

- Browser support for the SAN Volume Controller Console
- CLI configuration support using Secure Shell (SSH)
- SAN Topology rendering using Tivoli® SAN Manager
- Remote Service capability through VPN
- IBM Director
 - SNMP Trap management
 - Call Home (Service Alert) capability
 - E-mail notification to the customer, for example, to the system administrator

See “Installing the master console” on page 9

Chapter 3. Installing the uninterruptible power supply, the master console and the SAN Volume Controller

Chapter 3 has a new title and includes the installation of the master console where the pre installed master console feature has been ordered.

Installing the master console

There are a number of steps you must do to install the master console in the rack and prepare it for configuration by the customer.

This section provides information on how to install the master console with the SAN Volume Controller. Software installation is not necessary since all software for the master console is pre-installed. To install the master console in the rack, follow the instructions provided in your xSeries Installation Guide as well as those provided with the mounting rails.

Prerequisites

Attention: Before you begin the installation, review and complete all of the safety checks detailed in the documentation for the master console, the keyboard, and the display.

Ensure that the customer has all of the information needed prior to installation. Refer to the *IBM TotalStorage SAN Volume Controller: Planning Guide*, which provides the hardware location chart, the cable connection table, and the configuration data table for the customer to complete prior to installation.

To complete the installation of the master console, perform the following steps:

Steps

1. Ensure that no cables are connected to the Ethernet ports.
2. Connect a fibre channel cable from one port on the fibre channel host bus adapter (HBA) to the other port to allow for a loopback data test (step 4 in these instructions) to check that the fibre channel HBA is operational.
3. Turn on the master console.

4. When the following message displays, immediately press Ctrl-Q to display a list of I/O addresses:

```
Qlogic Corporation
Q123XX PCI Fibre Channel ROM BIOS version X
Copyright (C) Qlogic Corporation 1993 2002 all rights
reserved
www.qlogic.com
Press <Ctrl-Q> for Fast!UTIL
```

Note: This message displays for only a few seconds and you must press Ctrl-Q while it displays.

5. Select one of the I/O address and press Enter.
6. A Fast!UTIL Option list is displayed.
7. Select the Loopback data test option and press Enter.
8. Select the Continue with loopback data test option and press Enter. One of the following messages is displayed:
 - a. Loopback Data Test failed
 - b. Press any key to stop the Loopback Data Test Press Enter twice to get back to the Fast!UTIL Option List Select Exit Fast!UTILIf the loopback data test fails, replace the fibre channel cable with a new one. If the test fails again, replace the fibre channel card.
9. Remove the fibre channel cable that you installed between the two ports on the fibre channel HBA.
10. Restart the machine to start the Windows® operating system:
 - a. Enter administrator in the User ID field.
 - b. Enter passw0rd in the password field; this password applies to all required password fields.
 - c. The master console continues booting.

Note: This process can take several minutes before all services are started and operations are completely responsive.
11. Refer to the *IBM TotalStorage SAN Volume Controller: Planning Guide* for the customer-completed configuration data table and connect the fibre-channel cables from the master console as specified in that table.
12. Attach a RID tag to the master console using machine type **2145** and the serial number of the SAN Volume Controller that is being installed with the master console.
13. **IMPORTANT:** This step must be the last step you perform on the master console before handing over the machine; it sets up the master console to present a Windows license agreement screen at the next power on and then shuts down the master console.
 - a. Select **Start -> Run**
 - b. Enter c:\sysprep\sysprep.exe
 - c. Click **OK**.

Note: It is important that you do this step; otherwise, the customer will not be presented with the choice to accept or decline Windows registration conditions.

14. The master console can now be configured by the customer using the instructions in the *IBM TotalStorage Master Console for SAN File System and SAN Volume Controller Installation and User's Guide*.

