





Dell™ Systems

Information Update



Notes, Notices, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, notices, cautions, and warnings, and they are used as follows:

-  **NOTE:** A NOTE indicates important information that helps you make better use of your computer system.
-  **NOTICE:** A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.
-  **CAUTION:** A CAUTION indicates a potential for property damage, personal injury, or death.
-  **WARNING:** A WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious bodily injury.

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This document provides information on an initialization error when connecting a Dell™ PowerVault™ 136T tape library to a storage area network (SAN) running Computer Associates® ARCserve™ Version 7.0 for Novell® NetWare®.

When you are running ARCserve 7.0 for NetWare in a SAN with both Fibre Channel ports on a PowerVault 136T tape device connected to the same Fibre Channel fabric, ARCserve might not be able to detect the tape device and generate an initialization error.

To correct the error, perform one of the following procedures:

- Connect **one** port in the PowerVault 136T Fibre Channel module to **one** Fibre Channel fabric (recommended)
- Connect **both** ports in the PowerVault 136T Fibre Channel module to **two** Fibre Channel fabrics

The following sections explain how to implement both solutions.

Connecting the PowerVault 136T to One Fibre Channel Fabric (Recommended)

- 1 Verify that the **Luns per Target** setting in the QLogic HBA BIOS is set to 8 or 16.

To check the **Luns per Target** setting, perform the following steps:

- a Reboot your system.

During the reboot sequence, the following message appears:

```
Press <Alt-Q> for Fast!UTIL
```

- b Press and hold the <Alt> <q> keys.

The **Select Host Adapter** window appears.

- c Select the QLogic HBA connected to your system, and then press <Enter> .

- d In the **Fast!UTIL Options** window, select **Configuration Settings**, and then press <Enter> .

- e In the **Configuration Settings** window, select **Advanced Adapter Settings**, and then press <Enter> .

- f In the **Advanced Adapter Settings** window, ensure that **Luns per Target** is set to **8** or **16**.

- g Press <Esc> twice.

The **Configuration settings modified** window appears.

- h Select **Save changes** or **Do not save changes**, and then press <Enter> .

- i In the **Fast!UTIL Options** window, select **Exit Fast!UTIL**, and then press <Enter> .
 - j Select **Reboot System**, and then press <Enter> .
Your system reboots with your updated settings.
- 2 Connect port A on the PowerVault 136T Fibre Channel module to the Fibre Channel fabric and disconnect port B.
 - 3 Use the Dell PowerVault 136T Fibre Channel Bridge Manager software to channel zone all of the tape devices within the fabric to port A in the PowerVault 136T.

Figure 1-1 provides an example of this solution.

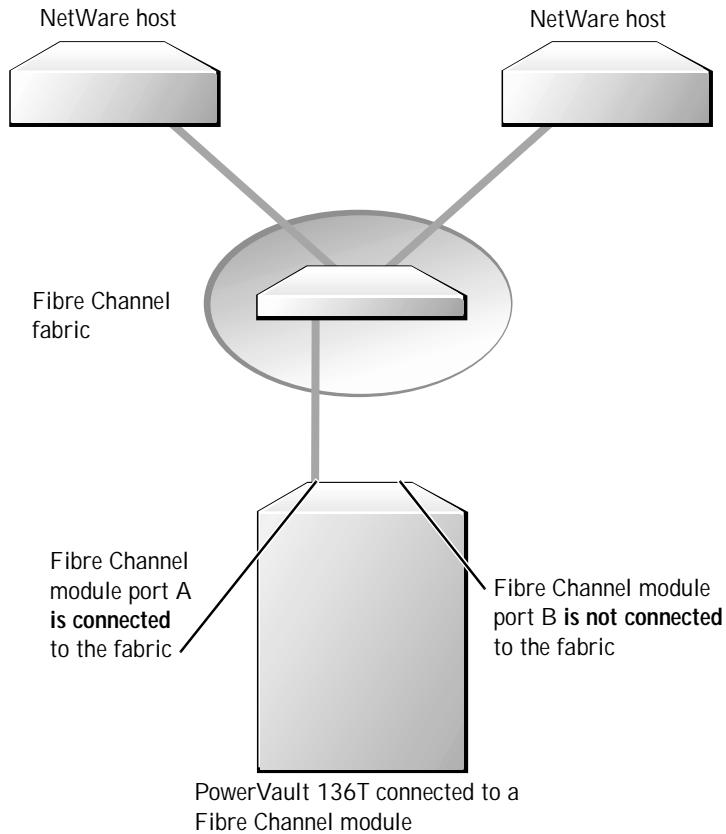


Figure 1-1. Connecting the PowerVault 136T to One Fibre Channel Fabric

Connecting the PowerVault 136T to Two Fibre Channel Fabrics

- 1 Verify that the **Luns per Target** setting in the QLogic HBA BIOS is set to 8 or 16.

To check the **Luns per Target** setting, perform the following steps:

- a Reboot your system.

During the reboot sequence, the following message appears:

```
Press <Alt-Q> for Fast!UTIL
```

- b Press and hold the <Alt> <q> keys.

The **Select Host Adapter** window appears.

- c Select the QLogic HBA connected to your system, and then press <Enter> .

- d In the **Fast!UTIL Options** window, select **Configuration Settings**, and then press <Enter> .

- e In the **Configuration Settings** window, select **Advanced Adapter Settings**, and then press <Enter> .

- f In the **Advanced Adapter Settings** window, ensure that **Luns per Target** is set to **8** or **16**.

- g Press <Esc> twice.

The **Configuration settings modified** window appears.

- h Select **Save changes** or **Do not save changes**, and then press <Enter> .

- i In the **Fast!UTIL Options** window, select **Exit FAST!UTIL**, and then press <Enter> .

- j Select **Reboot System**, and then press <Enter> .

Your system reboots with your saved settings.

- 2 Connect port A in the PowerVault 136T to the first Fibre Channel fabric.
- 3 Connect port B in the PowerVault 136T to the second Fibre Channel fabric.
- 4 Configure the PowerVault 136T Fibre Channel module using the recommended channel zoning settings located in the *Dell PowerVault 136T Fibre Channel Module* documentation.

Figure 1-2 provides an example of this solution.

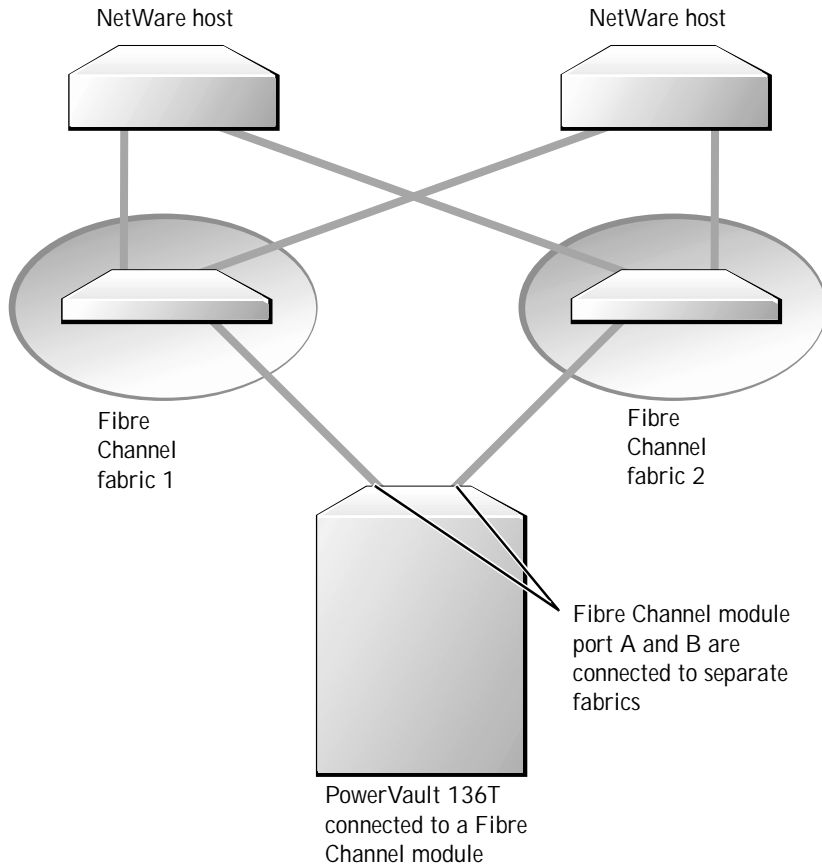


Figure 1-2. Connecting the PowerVault 136T to Two Fibre Channel Fabrics