

# **Product Bulletin 91**

Product	StorNext® All Storage Manager Versions
Summary	An MDC which is dedicated to StorNext with no other applications present encounters a persistent reservation placed on a tape drive by a non-StorNext application thus preventing StorNext from using the drive.
Release Date	November 2013

#### **Problem**

Tape Drives reserved by a non-StorNext application are preventing StorNext from utilizing the drive.

## Symptoms

SNSM operations show tape drives go offline and StorNext logs report reservation conflicts.

**Note:** Using "fs\_scsi utility" to check the persistent reservation conflict, shows a non-StorNext reservation key.

#### Solution

Since StorNext MDCs are the only hosts with access to the tape drives, add entries in the /etc/modprobe.d/blacklist.conf file to blacklist the st, ch, and osst driver. This prevents them from reloading after a reboot.

On the secondary MDC of the HA pair:

1 Using your file editor of choice, open:

/etc/modprobe.d/blacklist.conf

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6-00960-135 Rev B, November 2013, Product of USA.

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Quantum specifications are subject to change.

a Add the following lines:

# These drivers are blacklisted to prevent a tape drive # persistent reservation conflict with StorNext.

blacklist st
blacklist ch
blacklist osst

2 Check to see if the st, ch or osst modules are loaded.

```
lsmod | grep -E "^st|^ch|^osst"
```

3 Remove the modules listed (i.e.):

rmmod st
rmmod ch
rmmod osst

Complete steps 1-3 on the primary MDC of the HA pair.

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## **Contacting Quantum**

More information about StorNext is available on the Quantum Service and Support website at <a href="https://www.quantum.com/ServiceandSupport">www.quantum.com/ServiceandSupport</a>. The Quantum Service and Support website contains a collection of information, including answers to frequently asked questions (FAQs). You can also access software, firmware, and drivers through this site.

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