Product Bulletin 56

Product	StorNext® 3.5.0 and 3.5.1
Summary	Backup failures are possible when Xsan clients utilize managed file systems using Stornext MDCs
Date	June 2010

Overview

On a managed file system, setting hidden flags on Xsan files can cause a backup failure. This problem is most likely to occur when running an Xsan 2.2 client, although it's possible in previous versions.

This issue can occur because StorNext drops the Xsan hidden flag when an inode is retrieved from disk. This issue doesn't occur until an inode has been flushed from the inode cache and retrieved for a later update. When snmetadump processes a restore journal with the inode update, it fails due to the unexpected change of the flag's value. There are other mechanisms which mark a file as hidden, so the omission of the hidden flag is not usually noticed by a StorNext user. The backup failure results in needing a new metadump.

For more information, contact the Quantum Technical Assistance Center and reference CR 30120.

Symptoms

If the Xsan client is utilizing a managed file system, the backup may fail in the snmetadump step. Other file systems will be backed up successfully, but the managed file system used by Xsan clients may fail.

When applying restore journals during a backup, the metadump may fail with this error message:

Stage 6---apply restore journals.: 7.32 secs Processing journal file 'restore_journal_SNFS_ARCHIVE.000098.completed'

Processing Error:

/home/workareas/35X/snmetadump/obj/linux_SuSE100ES/x86_64/
snmetadump
"Invoked at line 263 of process_drjournal.c: Transaction out of
order (17):

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	Quantum Technical Assistance Center in the USA:	+1 800-284-5101	
	For further assistance, or if training is desired, contact Quantum:		
Contacting Quantum	More information about StorNext is available on the Service and Support website at <u>www.quantum.com/support</u> . The 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.		
	There is currently no workaround for the	s issue.	
Solution	This issue is fixed in StorNext 3.5.2 and StorNext 4.0.		
	If you are running a managed file syster Xsan clients to 2.2 or later until first upg later. Xsan clients running 2.2 set the hid versions.	grading the StorNext MDC to 3.5.2 or	
	Recommendation		
	This problem can also result in a hidden file.	file being incorrectly shown as a regular	
	This failure is due to the detection of inconsistent inode information, which causes backup failures for which a new metadump is needed.		
	" file sn_debug.c, line 114		
	journal seqno 0xbe dump hash 0x1ee729aa rollback hash 0x72c40442.		
	Sequence number error: cookie 0x800002df86b5 dinode type CHILD, dump seqno 0xbc		

For additional contact information:www.quantum.com/supportTo open a Service Request:www.quantum.com/osr

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