

S Family 3.2.2 (formerly StoreVault®)

Release Notes

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Contents of the release notes

Topics covered

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Overview

About this release

The S family 3.2.2 (formerly StoreVault) is an update release with important bug fixes. Data ONTAP® S Family Edition 7.2.1S10R1 is the new operating system in this release of the S family software applications. This version of Data ONTAP is the replacement for Data ONTAP S Family Edition 7.2.1S10 and Data ONTAP S Family Edition 7.2.1S9. Apart from this new Data ONTAP version, no new features are offered in this release and all other S family software applications remain the same.

The S family 3.2.2 (formerly StoreVault) release includes the following software applications:

- ◆ Data ONTAP S Family Edition 7.2.1S10R1
- ◆ StoreVault Manager 3.2
- ◆ SnapDrive® 5.0 for Windows® StoreVault® Edition
- ◆ SnapManager® StoreVault Edition 4.0S1 for Microsoft® Exchange
- ◆ SnapManager for Microsoft SQL Server™ StoreVault Edition 2.1.1S1

These release notes include the enhancements to Data ONTAP S Family 7.2.1S10R1 and StoreVault Manager 3.2. For hardware and software requirements, see the relevant NOW™ pages.

Prerequisites for installing SnapDrive for Windows StoreVault Edition

You need to install this software if you plan to manage Server LUN, Microsoft Exchange Server LUN, and Microsoft SQL Server LUN.

Following are the prerequisites for installing SnapDrive for Windows StoreVault Edition:

- ◆ Windows Server 2003 or Windows Server 2003 R2
- ◆ StoreVault Manager R3.0 or later
- ◆ Data ONTAP 7.0.3S8 or later
- ◆ The following Windows Server 2003 hotfixes
 - ❖ 898790
 - ❖ 902837
 - ❖ 908249
 - ❖ 912063
 - ❖ 913648

- ❖ 922772
- ❖ 923424
- ❖ 923801
- ❖ 931300

New in this release

Data ONTAP S Family Edition 7.2.1S10R1

This release contains fixes for functionality defects in addition to security vulnerabilities. Data ONTAP S Family Edition 7.2.1S10R1 fixes these issues, and NetApp strongly recommends that you upgrade now.

Bugs fixed

The following table lists some of the important bugs that are fixed in this and prior releases.

Bug ID	Description
326887	The S Family S550 storage system e0a network interface stops responding intermittently.
89986	File I/O prevents writing to system files when it is holding the file lock.
181892	Time zone files keep changing, so a method for updating time zone files without reboot or Data ONTAP upgrade is required.
211193	Stale CIFS SID cache entries are displayed under some circumstances.
232530	Domain user authentication causes minor memory leak.
234554	Network Information Service (NIS) server outage might cause some NFS clients to loop attempting to authenticate.
239265	The access control list (ACL) specified with the CreateFile WIN32 Application Program Interface (API) is interpreted incorrectly.
269081	UNIX® to Windows® user mapping fails to get the complete list of domain groups.

Note

The S family 3.2.2 (formerly StoreVault) release includes a new version of Data ONTAP; all other S family software applications are the same as in the previous release.

New features in StoreVault Manager 3.2

The following new features are available in StoreVault Manager 3.2:

- ◆ Enhanced alert management
- ◆ Enhanced license management
- ◆ Support for GUID Partition Table (GPT) LUNs
- ◆ Display of XenCenter software-created volumes
- ◆ “Remember me on this computer” (password caching on host system)
- ◆ Microsoft iSCSI Software Initiator Version 2.07 software is available on the S family (formerly StoreVault) software CD-ROM for your convenience

Note

Before installing StoreVault Manager 3.2, upgrade the S family storage system to Data ONTAP S Family Edition 7.2.1S10R1. You can download the latest software from the NOW site: <http://now.netapp.com>.

Note

You can upgrade to the latest Data ONTAP S Family Edition 7.2.1S10R1 and StoreVault Manager 3.2 using your existing StoreVault license.

Enhanced alert management

StoreVault Manager sends alert messages to the e-mail ID that you provided in the administrative settings. This feature helps you to take necessary action based on any e-mail alerts you receive.

The Administrative Alerts dialog box has the following sections:

- ◆ Alert Group
- ◆ Configuration & Description

Related administrative alerts together form an alert group. The Alert Group section displays all alert groups in a tree form. Double-click the “All Alerts” to expand or collapse the groups.

The following are the administrative alert groups:

- ❖ Aggregate Alerts
- ❖ Disk and RAID Alerts
- ❖ HW (hardware) Environment Alerts
- ❖ Tape Alerts

You can enable all alerts or any specific alert group. When an event occurs, StoreVault Manager generates e-mail alerts for the alert groups that you enabled. When you click any alert group in the alert group section, you can see the description of that particular group.

Enhanced license management

StoreVault Manager now supports installation of NetApp enterprise software licenses and as well continue to support the existing StoreVault licenses. The StoreVault Software Licenses dialog box enables you to add, modify, or remove a license key. The StoreVault Software Licenses dialog box displays licenses installed on your StoreVault system, type of license (permanent or demonstration), expiration date for the demonstration license, and the license key.

If you are using a demonstration license, then you can upgrade to a permanent license. For more information about the license key, select the license key in the StoreVault Software Licenses dialog box, and then click **Details**.

You can install the following licenses:

- ❖ CIFS
- ❖ NFS
- ❖ iSCSI
- ❖ FC (existing StoreVault licenses only)
- ❖ SnapManager for SQL Server

- ❖ SnapManager for Exchange Server
- ❖ SnapMirror
- ❖ SnapRestore

Note

To install a new NetApp enterprise software license on an existing system, you must upgrade your storage system to Data ONTAP S Family Edition 7.2.1S10R1 and StoreVault Manager 3.2 on the host system.

Operating system supported

The following operating systems are supported for StoreVault Manager 3.2:

- ◆ Windows XP Professional
- ◆ Windows Server 2003

Enabling AutoSupport

The NetApp AutoSupport feature provides accurate information about your storage system's health to NetApp Global Services (NGS) through e-mail alerts. The information helps NGS to quickly resolve issues with your system.

You need to enable the AutoSupport feature after upgrading to Data ONTAP S Family Edition 7.2.1S10R1 and installing StoreVault Manager 3.2. Enabling AutoSupport ensures that your storage system is updated with the latest NGS e-mail address.

To enable the AutoSupport feature, complete the following steps:

Step	Action	
1	Log in to StoreVault Manager.	
2	Click System and select Advanced.	
3	In the Advanced dialog box, select the Services tab.	
4	Take one of the following actions, depending on whether the AutoSupport Diagnostic Emails (ASUP) check box is selected.	
	If the AutoSupport Diagnostic Emails (ASUP) check box is...	Then do this...
	Already selected	a. Clear the check box and click OK . b. Again access the Services tab, and then select the AutoSupport Diagnostic Emails (ASUP) check box and click OK .
	Not selected	Select the AutoSupport Diagnostic Emails (ASUP) check box and click OK .

Known issues

StoreVault Manager does not support unmapping an SQL Server LUN

Workaround: Set the preferred IP address by using the SnapDrive command-line interface (CLI). The preferred IP address on the storage system must be the IP address of an interface that the SnapDrive host can reach through the CIFS protocol.

Help buttons in the StoreVault Manager software do not launch the Help file

Workaround: Select **Help > Help Topics** in the StoreVault Manager software main screen to access Help topic files.

StoreVault Manager accepts any valid license key irrespective of the protocol or application license

Workaround: When you are modifying a license, ensure that you enter the correct license key corresponding to the protocol or application license selected.

For example, if you mean to modify your CIFS license but you accidentally enter the key for NFS, StoreVault Manager accepts your entry, disables CIFS, and enables NFS instead. To reenable the CIFS license, enter the CIFS license key.

StoreVault Manager does not display iSCSI initiators appropriately when creating GPT-based LUNs

Workaround: StoreVault Manager does not display the newly connected iSCSI initiator appropriately when creating a GPT-based LUN. If you see this issue, then create a normal LUN before creating a GPT-based LUN.

Important notes

Alert management

The StoreVault Manager software does not display all Data ONTAP alerts. Related alerts together form an alert group. You can enable or disable any alert group. Sometimes you might receive alerts that are not related to any selected groups. For example, you can receive volume-related alerts, such as *Volume is Offline*. This alert might not be part of any alert group.

License management

The **Details** button in the StoreVault Software Licenses dialog box is disabled.

GPT LUNs

You must map a GPT-based LUN larger than 2 TB to a Windows 2003 SP1 (or later) initiator; otherwise, the LUN is not displayed in the Disk Management window.

Password caching on host system

The Remove Cache Data menu option removes all cached passwords from your host computer. You cannot remove an individual password from cached passwords.

Microsoft iSCSI Software Initiator

Microsoft iSCSI Software Initiator Version 2.07 is qualified with StoreVault Manager 3.2. This software is available on the software CD-ROM. You can also download the iSCSI initiator from <http://www.microsoft.com/>.

Recommended best practices

Best practices

The following are recommended best practices:

- ◆ To manage SQL Server LUNs, use Windows Server 2003 only. Disabling or enabling any option from the Windows XP host might cause errors.
- ◆ You should not mount an SQL Server LUN or Snapshot™ copy of an SQL Server LUN inside the mount point of another server LUN.
- ◆ During CIFS setup, you must provide the user name of the domain user who uses StoreVault Manager to create application-centric LUNs. If the domain user name is not provided, then the *permission denied* error message appears when creating application-centric LUNs (server LUN, SQL Server LUN, and Microsoft Exchange LUN).
- ◆ To manage all mount points, only use StoreVault Manager.
- ◆ When replicating a server LUN, ensure that you name the replica a source LUN name.

Changes to published documentation

Updates to the StoreVault Manager User's Guide

The following change was made to the *StoreVault Manager 3.2 User's Guide*:

The StoreVault Replication feature described in the *StoreVault Manager 3.2 User's Guide* is enabled through the new SnapMirror license; previously, this license was called StoreVault Replication.

Contents of the software CD-ROM

Software

The following software applications are available on the CD-ROM:

- ◆ StoreVault Manager 3.2
- ◆ SnapManager StoreVault Edition 4.0S1 for Microsoft Exchange (32 bit and 64 bit)
- ◆ SnapManager for Microsoft SQL Server StoreVault® Edition 2.1.1S1 (32 bit and 64 bit)
- ◆ SnapDrive 5.0 for Windows StoreVault Edition (32 bit and 64 bit)
- ◆ Microsoft iSCSI Initiator version 2.07

Documentation

The following hardware documents are available on the CD-ROM:

- ◆ *S500 Hardware Guide*
- ◆ *S550 Hardware Guide*
- ◆ *S300 Hardware Guide*
- ◆ *StoreVault S500 Quick Start Guide*
- ◆ *StoreVault S550 Quick Start Guide*
- ◆ *StoreVault S300 Quick Start Guide*

The following software documents are available on the CD-ROM:

- ◆ *StoreVault Manager 3.2 User's Guide*
- ◆ *StoreVault Manager Quick Start Guide*
- ◆ *SnapManager StoreVault Edition 4.0S1 for Microsoft Exchange Installation and Administration Guide*
- ◆ *SnapManager for Microsoft SQL Server StoreVault Edition 2.1.1S1 Installation and Administration Guide*
- ◆ *S Family 3.2.2 (formerly StoreVault) Release Notes*