



# StorNext NAS Release Notes

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<b>Release</b>	1.4.0.1
<b>Supported Product</b>	StorNext NAS
<b>Date</b>	April 2017

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# StorNext NAS 1.4.0.1 Release Notes

## StorNext NAS 1.4.0.1

In the StorNext NAS 1.4.0 release, the blocksize used in Samba's virtual file system (VFS) was not compatible with StorNext. This incompatibility caused a file's size on disk calculation to be incorrect and Windows 7 to crash.

StorNext NAS 1.4.0.1 has corrected this issue.

- If you are currently running StorNext NAS 1.4.0, make sure to upgrade to StorNext NAS 1.4.0.1 to avoid this issue.
- If you are currently StorNext NAS 1.2.5 or 1.3.0, you can upgrade directly to StorNext NAS 1.4.0.1.

The StorNext NAS 1.4.0.1 Release Notes provides the following:

- [New Features for Release 1.4.0.1 on the next page](#)
- [Change Requests: Notes and Fixed Issues on page 4](#)

For help with upgrading your StorNext NAS software, see the [NAS Upgrades](#) section in the *StorNext NAS Documentation Center*.

For help with troubleshooting StorNext NAS issues, see the [Troubleshooting Tips and FAQs](#) section in the *StorNext NAS Documentation Center*.

## Supported Software, Hardware, and Licensing Models

The following section provides information regarding supported platforms and licensing models.

### StorNext NAS Compatibility

StorNext NAS 1.4.0.1 is supported only with StorNext 5 Release 5.4.0 and later. Refer to the appropriate appliance Release Notes for installing the latest StorNext release.

### Supported Quantum Hardware

StorNext NAS 1.4.0.1 is supported on the following Quantum appliances:

Appliance	CentOS Version
Xcellis Workflow Director	OS7
Artico	OS6
Xcellis Workflow Extender	OS6

Appliance	CentOS Version
G300	OS6
M-Series (M44x, M66x, and Pro Foundation)	OS6

**i Note:** If you want to run StorNext NAS on Xcellis Workflow Director, Xcellis Workflow Extender, G300 Gateways, or M-Series MDCs, contact your Quantum Account Manager to ask about obtaining a StorNext NAS license.

### Licensing and Enablement

Beginning with StorNext 5.3.0, StorNext NAS is a licensed feature for Artico, Xcellis Workflow Director, Xcellis Workflow Extender, G300 Gateways, and M-Series Metadata Controllers.

- For Artico, the appliances are shipped with StorNext NAS licenses pre-installed.
- For Xcellis Workflow Director, Xcellis Workflow Extender, G300 Gateways, and M-Series Metadata Controllers, you must purchase add-on StorNext NAS licenses, and then install these licenses on each node running the StorNext NAS software.
- You can install StorNext NAS licenses using the StorNext GUI's licensing feature. See the [License NAS in the StorNext GUI](#) topic of the *StorNext Connect Documentation Center*.

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## New Features for Release 1.4.0.1

The StorNext NAS 1.4.0.1 includes the following new features.

### Named Streams Option

In StorNext NAS 1.4.0.1, you can now set a named streams option to enable native SMB protocol options to optimize transmission of macOS file metadata. See [SMB Share Options](#) in the *StorNext NAS Documentation Center*.

### ACL Support for LDAP

StorNext NAS supports Access Control Lists (ACLs) when the NAS server is bound to an AD or OpenLDAP server. See [Apply AD Authentication to NAS](#) in the *StorNext NAS Documentation Center*.

### SNMP Support

You can now configure the Simple Network Management Protocol (SNMP) service to monitor individual Quantum appliances.

StorNext NAS supports Net-SNMP, which supplies default Management Information Base (MIB) variables as the information repository. See [SNMP Monitoring](#) in the *StorNext NAS Documentation Center*.

## Automatic NAS Cluster Upgrades

You can now issue a single command to upgrade an entire NAS cluster from StorNext NAS 1.3.0 to StorNext NAS 1.4.0.1. See [Upgrade to NAS 1.4.0.1](#) in the *StorNext NAS Documentation Center*.

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# Change Requests: Notes and Fixed Issues

Change Request	Description
66235	<p><b>NOTE</b></p> <p>When generating the krb5.conf file, the <code>dns_lookup_kdc</code> option was always set to <code>false</code>.</p> <p>Quantum Support can now alter this setting by changing a Registry Key value. See <a href="#">AD Forest Issues and FAQs</a> in the <i>StorNext NAS Documentation Center</i>.</p>
66237	<p><b>NOTE</b></p> <p>In some Microsoft AD environments, you may need to exclude or ignore specific trusted domains, such as those that are behind firewalls. See <a href="#">AD Forest Issues and FAQs</a> in the <i>StorNext NAS Documentation Center</i>.</p>
63682	<p><b>NOTE</b></p> <p>The NAS controller can now detect StorNext case insensitivity settings and reset SMB share case sensitive options accordingly. See <a href="#">SMB Share Options</a> in the <i>StorNext NAS Documentation Center</i>.</p>
66228	<p><b>FIXED</b></p> <p>During a reboot or upgrade, the StorNext NAS controller attempts to join/rejoin to the AD server, even in cases when configuration settings have not changed and the node is fully functional.</p> <p>During reboot or upgrade, the StorNext NAS controller now checks if configuration has changed before attempting a rejoin.</p>
66234	<p><b>FIXED</b></p> <p>The StorNext NAS controller was not checking Access Control Lists (ACLs) before moving files to a directory.</p> <p>The controller has been updated to check ACLs prior to moving files to a directory.</p>

Change Request	Description
66236	<p><b>FIXED</b></p> <p>In certain scenarios, notably when there exists a network or DNS related issue, the StorNext NAS controller delays starting. This delay can cause systemd to restart the process, resulting in a restart-loop.</p> <p>By increasing the timeout limit to 300 seconds, systemd restart-loops are now avoided.</p>
66239	<p><b>FIXED</b></p> <p>In a NAS cluster, non-master nodes are issuing commands to bind to a Microsoft AD environment, which can interfere with the master node's processes.</p> <p>The controller has been updated to skip certain commands on non-master nodes.</p>
66295	<p><b>FIXED</b></p> <p>In certain scenarios, winbind checks are being executed only once, causing the check to fail due to timeout or communication issues.</p> <p>StorNext NAS now executes winbind checks multiple times before reporting a failure.</p>
66297	<p><b>FIXED</b></p> <p>In certain scenarios, when binding StorNext NAS to a Microsoft (AD) environment, you may need to specify multiple Kerberos domain controllers.</p> <p>You can now specify multiple domain controllers with the <b>auth config ads</b> command. See <a href="#">Apply AD Authentication to NAS</a> in the <i>StorNext NAS Documentation Center</i>.</p>