



# StorNext 5.x Xcellis Workflow Extender Release Notes

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StorNext 5 Releases Supported	Release Notes Date
StorNext 5.4.1	May 2018
StorNext 5.4.0.4	August 2017
StorNext 5.4.0.2	December 2016
StorNext 5.4.0.1	November 2016

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## Training and Documentation Resources

[Xcellis Foundation training and documentation](#)

[aiWARE for Xcellis training and documentation](#)

- [Xcellis Workflow Extender \(R630\) training and documentation](#)
- [Xcellis Workflow Extender \(R520\) training and documentation](#)

If you are unsure about which type of system you have visit the How to [Identify My System](#) page to determine which system you have, and to find the training and documentation resources for that specific system.

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## About StorNext 5

StorNext 5 is a new generation of Quantum StorNext that performs faster, scales farther, and expands flexibility. StorNext 5 has been built from the ground up with a new architecture designed to meet the needs of today's evolving digital workflows.

The complete list of documentation for StorNext 5, including the StorNext 5 Release Notes, can be found here:

<http://www.quantum.com/sn5docs>

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## What StorNext Releases are compatible with my system?

See the [StorNext Release Compatibility](#) page of the [Appliance InfoHub](#) on quantum.com for further information.

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## Upgrade StorNext Software and System Firmware

Before upgrading your system, refer to [Known Issues – StorNext 6.x](#). This section contains important information you need to know before upgrading.

See [Upgrade the System \(Upgrade Firmware\)](#) for the steps necessary to upgrade to the latest StorNext release and hardware firmware for your system.

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## Quantum Appliance Licenses

See [Quantum Appliance Licenses](#) on the [Quantum Appliances InfoHub](#).

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## General Notes

Refer to the [General Notes](#) section of the [Quantum Appliances InfoHub](#) for important information you should know about your system.

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# Fixed Issues, Enhancements and Notes – StorNext 5.x

This section lists the fixed issues that affect Xcellis Workflow Extender for different StorNext Releases.

StorNext 5 Releases:

[Fixed Issues, Enhancements and Notes for StorNext 5.4.1](#)

[Fixed Issues, Enhancements and Notes for StorNext 5.4.0.4](#)

[Fixed Issues, Enhancements and Notes for StorNext 5.4.0.3](#)

[Fixed Issues, Enhancements and Notes for StorNext 5.4.0.2](#)

[Fixed Issues, Enhancements and Notes for StorNext 5.4.0.1](#)

## Fixed Issues, Enhancements and Notes for StorNext 5.4.1

This release only changes the base StorNext software. Because there is nothing new or fixed specifically related to your system hardware, there is nothing else to report for this release.

See the [StorNext 5.4.1 Release Notes](#) for information about StorNext software enhancements and fixed issues for this release.

## Fixed Issues, Enhancements and Notes for StorNext 5.4.0.4

This release only changes the base StorNext software. Because there is nothing new or fixed specifically related to your system hardware, there is nothing else to report for this release.

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**i Note:** In order to upgrade firmware to StorNext 5.4.0.4, your system must be running StorNext 5.4.0.x.

See the [StorNext 5.4.0.4 Release Notes](#) for information about StorNext software enhancements and fixed issues for this release.

## Fixed Issues, Enhancements and Notes for StorNext 5.4.0.3

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**i Note:** StorNext 5.4.0.3 is obsolete and replaced by 5.4.0.4. However, the Fixed Issues, Enhancements and Notes for the StorNext 5.4.0.3 still apply.

See the [StorNext 5.4.0.3 Release Notes](#) for information about StorNext software enhancements and fixed issues for this release.

## Fixed Issues, Enhancements and Notes StorNext 5.4.0.2

This release provides an iDRAC firmware upgrade to version 2.41.40.40. This update prevents motherboard failures that, in very rare cases, could occur during a StorNext software upgrade on systems with an iDRAC version earlier than 2.30.30.30. (To determine your system's current iDRAC version, the easiest way is to look at `/opt/DXi/hwdetect/FirmwareReport.txt` and search for the iDRAC string. Another way is to run the command `racadm getversion`)

The following table lists the fix for this StorNext release.

**Table 1:** Fixed Issues for StorNext 5.4.0.2

CR Number	SR Number(s)	Description
65688	n/a	Update iDRAC firmware to 2.41.40.40.

This release was an enhancement for your hardware only. Because this release did not change the base StorNext software, there are no StorNext software Release Notes for this release.

## Fixed Issues, Enhancements and Notes for StorNext 5.4.0.1

**Note:** StorNext 5.4.0.1 is no longer supported for upgrades. Upgrade to 5.4.0.2 or 5.4.0.4 instead.

- 5.4.0.1 is the first StorNext release that supports Xcellis Workflow Extender systems.

The following table lists the fixed issues/enhancements for this StorNext release.

See the [StorNext 5.4.0.1 Release Notes](#) for information about StorNext software enhancements and fixed issues for this release.

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## Known Issues

This section lists the known issues that affect Quantum Appliances.

CR Number	SR Number	Description	Workaround (if applicable)
68096	n/a	There is currently a known issue in CentOS6 where a restart of the NAS services may delay <code>rsyslogd</code> restarts. This appears to be caused by a failed StorNext share mount, which in turn causes NAS services to not fully complete startup until the StorNext share is mounted. This can result in system logging to be lost while the <code>rsyslogd</code> is not running.	Verify all expected StorNext file systems are mounted. If not, manually mount any file systems needed by NAS.
67841	n/a	<p>During firmware upgrades, a message in the <b>Service Menu</b> for displays the following:</p> <p style="padding-left: 40px;">"Installing the upgrade file...The system will reboot shortly."</p> <p><b>i Note:</b> This issue was resolved in StorNext 6.0. So systems that can be upgraded to 6.0 will not have this problem with the upgrade to 6.x.</p>	The system does not reboot for the 5.4.0.4 upgrade. Ignore the "reboot" message, it is benign. No workaround is necessary.
60774/ 55220	n/a	<p><b>i Note:</b> This issue was fixed by way of the NAS 1.2.1 release and StorNext 5.3.1. See <a href="#">Fixed Issues, Enhancements and Notes – StorNext 5.x on page 4</a>.</p> <p>(NAS-only issue) NFS version 4 is not supported and must be disabled.</p>	There currently is no workaround for NFS v4 support prior to StorNext 5.3.1/NAS 1.2.1. See <a href="#">How to Disable NFS v4 on page 9</a> . If you are running StorNext NAS and export NFS shares, you must disable NFSv4 .

CR Number	SR Number	Description	Workaround (if applicable)
60614	n/a	<p>Your system must have the latest Connector installed so that statistics can be passed to StorNext Connect. If a system is managed by StorNext Connect and you upgrade the firmware on that system to StorNext 5 Release 5.3.0 firmware <b>PRIOR</b> to upgrading the StorNext Connect Connector, the Volume Storage widget on the StorNext Connect Dashboard will display no data for those systems.</p>	<p>For steps to take to update the Connect Connector(s) before upgrading system firmware, see <a href="#">Update the StorNext Connect Connector before doing a firmware upgrade</a>. For steps to take if you have already upgraded firmware but did not first update the Connector (s), see <a href="#">Repair a StorNext Connect System After Firmware Upgrades</a>.</p>

CR Number	SR Number	Description	Workaround (if applicable)
55318	n/a	Strange UID on ACL when file created on non ads client.	All systems accessing the StorNext SAN or LAN clients, or the NAS clients, must be part of the same identity domain. Accessing StorNext from different identity domains can result in inconsistent file ownership attributes, as well as potential access problems.
55220	n/a	(See CR <a href="#">60774/55220 on page 6</a> )	
54451	n/a	StorNext supports case-sensitive file names. For configurations with different client types, such as Windows and Mac sharing the same files, the default case type may be different.	There currently is no workaround for this issue. SMB is operating as expected.



CR Number	SR Number	Description	Workaround (if applicable)
55993/ 54445	n/a	<p>(NAS-only issue) Setting Unix permissions on a Mac Samba client sometimes silently fails. This problem occurs when:</p> <ol style="list-style-type: none"> <li>1. The Samba mount is done using <b>sysadm</b> credentials.</li> <li>2. Active Directory is not used.</li> <li>3. Local Mac credential authentication is used when creating files.</li> </ol>	<p>To make sure the Mac Samba client does not fail, make sure User ID used for the Mac Samba client matches the User ID used for the NAS gateway server.</p> <p>File creation and permission setting changes done while using Active Directory and an active Mac Samba client will now work as expected.</p>

## How to Disable NFS v4

To disable NFSv4 on Xcellis Workflow Extender systems, perform the following on the server:

### Edit the nfs File

1. Open an SSH connection to the appropriate server and use the IP address assigned to the node on the Management or LAN Client network, or use the Service Port IP address, if connected to the Service Port.

#### Service Port IP addresses (if used):

2. Log in to the server node with the following credentials:

- User name: **stornext**
- Password: **<stornext user accountpassword>**

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**i Note:** **password** is the default password for the stornext user account. If the password has been changed, use the current password.

3. Enter **sudo rootsh** to gain root user access.
4. Enter the password for the **stornext** user account again.
5. Edit **/etc/sysconfig/nfs** file. (See [Example: Use vi to Edit the nfs File below](#))
6. Change the value for **RPCNFSDARGS** to **"-N 4"**. When finished, the line must be:  
**RPCNFSDARGS="-N 4"**
7. Change the value for **RPCMOUNTDOPTS** to **"-N 4"**. When finished the line must be:  
**RPCMOUNTDOPTS="-N 4"**
8. Save the file.

### Restart NFS

1. Enter the following to restart the NFS configuration:

```
service nfs-config restart
```

2. Enter the following to restart the NFS server:

```
service nfs-server restart
```

### After You Restart NFS on the Server

#### Example: Use vi to Edit the nfs File

1. Enter the following:

```
vi /etc/sysconfig/nfs
```

2. Move the cursor to the closing quotation mark in **RPCNFSDARGS**.
3. Enter the following:

```
i -N 4
```

4. Write the file and quit vi as follows:

```
:wq
```

5. For this example, you would have to [Restart NFS on the previous page](#) and then repeat both the [Edit the nfs File on page 9](#) and the [Restart NFS on the previous page](#) sections again on node 1.
6. Close the SSH session for the server.

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## Contacting Quantum

More information about StorNext is available on the Quantum Service and Support website at <http://www.quantum.com/ServiceandSupport>. The Quantum Service and Support website contains a collection of information, including answers to frequently asked questions (FAQs).

## Quantum Appliance Upgrades

To request a StorNext software upgrade for Quantum appliances, open a support ticket at:

<http://www.quantum.com/customercenter/>

For further assistance, or if training is desired, contact the Quantum Technical Assistance Center.

## Contacts

For information about contacting Quantum, including Quantum office locations, go to:

<http://www.quantum.com/aboutus/contactus/index.aspx>

## Comments

To provide comments or feedback about this document, or about other Quantum technical publications, send e-mail to:

[doc-comments@quantum.com](mailto:doc-comments@quantum.com)

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<http://www.quantum.com/serviceandsupport/get-help/index.aspx#contact-support>

- **eSupport** - Submit online service requests, update contact information, add attachments, and receive status updates via email. Online Service accounts are free from Quantum. That account can also be used to access Quantum's Knowledge Base, a comprehensive repository of product support information. Get started at:

<http://www.quantum.com/customercenter/>

For further assistance, or for training opportunities, contact the Quantum Customer Support Center:

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EMEA	+800-7826-8888 (toll free) +49 6131 324 185
Asia Pacific	+800-7826-8887 (toll free) +603-7953-3010

For worldwide support:

<http://www.quantum.com/serviceandsupport/get-help/index.aspx#contact-support>

## Worldwide End-User Product Warranty

For more information on the Quantum Worldwide End-User Standard Limited Product Warranty:

<http://www.quantum.com/serviceandsupport/warrantyinformation/index.aspx>