



Release Notes

Release	1.2.4
Supported Product	StorNext NAS
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StorNext NAS 1.2.4 Release Notes

The StorNext NAS 1.2.4 Release is a mandatory upgrade release. Customers who will be upgrading to the future StorNext NAS 1.3.0 release must first perform the upgrade procedures described in [Upgrade to NAS 1.2.4 on the next page](#).

Supported Software, Hardware, and Licensing Models

Review the following information regarding supported platforms and licensing models.

StorNext NAS Compatibility

StorNext NAS 1.2.4 is supported only with StorNext 5 Release 5.3.1, 5.3.1.1, or 5.3.2.1. Refer to the appropriate appliance Release Notes for installing the latest StorNext release.

Supported Quantum Hardware

StorNext NAS 1.2.4 is supported on the following Quantum appliances:

Appliance	CentOS Version
Xcellis	CentOS7
Artico	CentOS6
G300	CentOS6
M-Series (M440, M445, M660, M665, and Pro Foundation)	CentOS6

Note: If you want to run StorNext NAS on Xcellis, 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, G300 Gateways, and M-Series Metadata Controllers.

- For Artico, the appliances are shipped with StorNext NAS licenses pre-installed.
- For Xcellis, 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 Conned Documentation Center*.

For information regarding known limitations, see the [StorNext NAS 1.2.3 Release Notes](#).

Upgrade to NAS 1.2.4

It is mandatory to upgrade your StorNext NAS software to version 1.2.4 before you can upgrade to StorNext NAS 1.3.0.

- If you have previously upgraded to StorNext NAS 1.2.3, you can proceed directly to [Step 2: Upgrade to StorNext NAS 1.2.4 on the next page](#).
- If you are still on StorNext NAS 1.2.0, 1.2.1, or 1.2.2, please start with [Step 1: Run the SNFS NAS Repo Upgrade below](#).

Additional Information

- Keep in mind that you will perform all StorNext NAS configuration tasks from the console command line.
- To log in to the console command line for StorNext NAS, see the [Access the Console Command Line](#) topic of the *StorNext NAS Documentation Center*.
- To access the version of StorNext NAS software that you are currently running, see the [Accessing the Software Version](#) topic of the *StorNext NAS Documentation Center*.
- We recommend performing an upgrade when file systems do not need to be accessed. The upgrade process could briefly interrupt access.

Step 1: Run the SNFS NAS Repo Upgrade

To upgrade your StorNext NAS Gateway from versions 1.2.2 or lower, you must manually update your software using the SNFS NAS Repo Upgrade RPM.

Why Do I Need to Perform this Step?

After running the SNFS NAS Repo Upgrade RPM, you will no longer need to manually download the latest StorNext NAS RPMs. Instead your StorNext NAS software will be able to directly pull the latest version at your command.

The SNFS NAS Repo Upgrade RPM:

- Properly configures your StorNext NAS software to access Quantum's external upgrade repository in which the latest StorNext NAS RPM is stored.
- Imports a public key required to install the latest StorNext NAS RPM.

Going forward, all upgrade packages are signed, meaning that the public key — imported to your system from the SNFS NAS Repo Upgrade RPM — is required to install the software upgrade. You need to import this public key regardless of whether the upgrade packages are installed directly from Quantum's external upgrade repository or from a local **/var/upgrade** directory.

Run the SNFS NAS Repo Upgrade

1. Download and move the applicable SNFS NAS Repo Upgrade RPM to the `/var/upgrade` directory.

CentOS6

`quantum-snfs-nas-repo-upgrade-1.2.3-5181.e16.x86_64.rpm`

CentOS7

`quantum-snfs-nas-repo-upgrade-1.2.3-5181.e17.centos.x86_64.rpm`

2. Log in to the console command line as the NAS **sysadmin** user or issue the `su - sysadmin` command to access the NAS controller.
3. Run the following command to point your StorNext NAS software to Quantum's external upgrade repository and to import the public key required to install the latest StorNext NAS RPM:
system upgrade local
4. Proceed to [Step 2: Upgrade to StorNext NAS 1.2.4 below](#).

Step 2: Upgrade to StorNext NAS 1.2.4

You can upgrade each StorNext NAS Gateway, either directly from Quantum's external upgrade repository or locally.

Prerequisites

- You must be on StorNext 5.3.1 or later and StorNext NAS 1.2.0 or later to upgrade to the latest version of StorNext NAS.
- You need to have run the SNFS NAS Repo upgrade. See [Step 1: Run the SNFS NAS Repo Upgrade on the previous page](#).
If you are at the 1.2.3 version of StorNext NAS, you have already run the SNFS NAS Repo upgrade.
- You need to perform all upgrades on each individual StorNext NAS Gateway server.
- You need either to be logged in as the NAS **sysadmin** user or issue the `su -sysadmin` command to complete the system upgrade.

Upgrade Individual Systems Using Quantum's External Upgrade Repository

1. From the console command line, run the following command to upgrade your StorNext NAS software to version 1.2.4:
system upgrade

The console returns a list of all RPM packages that will be upgraded.

2. At the prompt , enter **yes** to complete the upgrade.

CLI Example

```
> system upgrade
The following Packages will be upgraded:
-----
/var/upgrade/quantum-snfs-nas-<version>x86_64.rpm
-----
*** During system upgrade, filesystem access will be interrupted.
Are you sure (yes/No)? yes
```

Upgrade Individual Systems Locally

1. Download and move the applicable RPM to the **/var/upgrade** directory.

CentOS6

quantum-snfs-nas-1.2.4-5340.e16.x86_64.rpm

CentOS7

quantum-snfs-nas-1.2.4-5340.e17.centos.x86_64.rpm

2. From the console command line, run the following command to upgrade your StorNext NAS software:
system upgrade local
3. At the prompt, enter **yes** to complete the upgrade.

CLI Example

```
> system upgrade local
*** During system upgrade, filesystem access will be interrupted.
Are you sure (yes/No)? yes
```

Important

If StorNext NAS is not running on your MDC after the upgrade, you will need to manually delete the `.override` file for the NAS Controller from node 1 of the MDC pair. For more information, see the latest Release Notes for your MDC appliance.