



# Release Notes

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<b>Release</b>	1.2.5
<b>Supported Product</b>	StorNext NAS
<b>Date</b>	August 2016

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## Contents

StorNext NAS 1.2.5 Release Notes .....	2
Upgrade to NAS 1.2.5 .....	3
Run the NAS Repo Upgrade .....	7



# StorNext NAS 1.2.5 Release Notes

The StorNext NAS 1.2.5 Release is a mandatory upgrade release. Customers who will be upgrading to the future StorNext NAS 1.3.0 release must first upgrade to StorNext NAS 1.2.5.

## Supported Software, Hardware, and Licensing Models

Review the following information regarding supported platforms and licensing models.

### StorNext NAS Compatibility

StorNext NAS 1.2.5 is supported with StorNext 5 release 5.3.1, 5.3.1.1, and 5.3.2.1. It will also be packaged with the future StorNext 5.4 release. Refer to the appropriate appliance Release Notes for installing the latest StorNext release.

### Supported Quantum Hardware

StorNext NAS 1.2.5 is supported on the following Quantum appliances:

Appliance	CentOS Version
Xcellis Workflow Director	OS7
Artico	OS6
G300	OS6
M-Series (M440, M445, M660, M665, and Pro Foundation)	OS6

**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 Workflow Director, G300 Gateways, and M-Series Metadata Controllers.

- For Artico, the appliances are shipped with StorNext NAS licenses pre-installed.
- For Xcellis Workflow Director, 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](#).

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# Upgrade to NAS 1.2.5

It is mandatory to upgrade your StorNext NAS software to version 1.2.5 before upgrading to StorNext NAS 1.3.0.

## 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 [StorNext NAS Documentation Center](#).
- Because the upgrade process could briefly interrupt access, we recommend performing an upgrade when minimal disruption to file access will occur.

## Which Version Am I Running?

Use the following tasks to discover the version of StorNext and StorNext NAS software that you are currently running.

### View the StorNext Software Version

1. Log in to the console command line as the root user. See the [StorNext NAS Documentation Center](#).
2. At the **root shell** prompt, enter the following:  
**cvversions**

#### CLI Example

```
# cvversions
```

```
File System Server:
```

```
Server Revision 5.3.1 Build 62346 Branch branches_5.3.1
```

### View the StorNext NAS Software Version

1. Log in to the console command line. See the [StorNext NAS Documentation Center](#).
2. At the **command** line, enter the following:  
**system show version**

#### CLI Example

```
> system show version
```

```
Quantum G302 SN-NAS 5.3.1-15662 1.2.4-4473
```

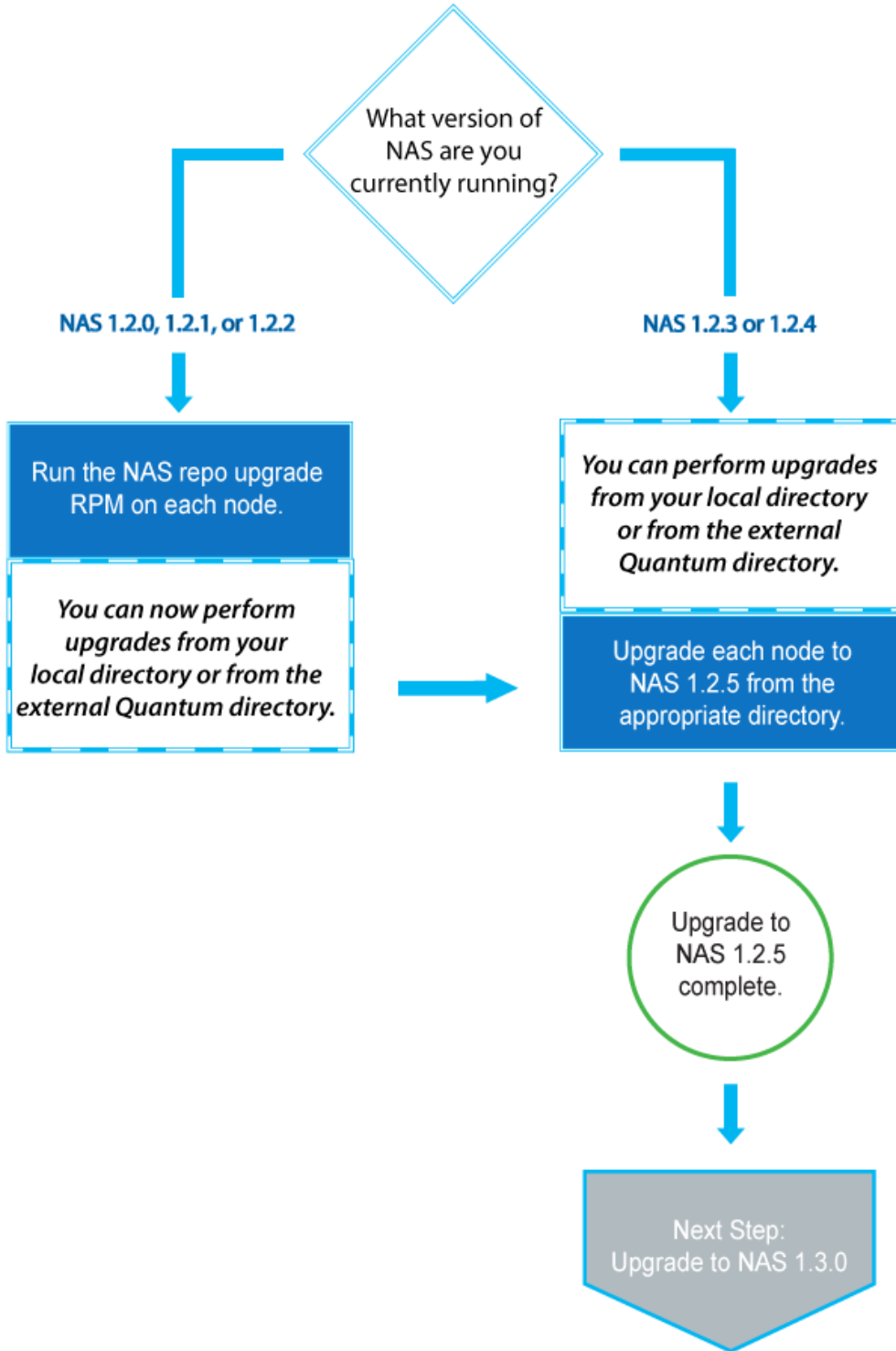
## How Do I Upgrade To NAS 1.2.5?

Depending on your StorNext NAS version, you will use the following task(s) to upgrade your software to version 1.2.5. Use the table to help you select the appropriate task.

I am currently running StorNext NAS version...	Upgrade Task(s)
1.2.0, 1.2.1, or 1.2.2	<a href="#">Run the NAS Repo Upgrade on page 7</a> <b>AND</b> <a href="#">Upgrade to StorNext NAS 1.2.5 on the next page</a>
1.2.3 or 1.2.4	<a href="#">Upgrade to StorNext NAS 1.2.5 on the next page</a>

## Flow Chart: Upgrade to StorNext NAS 1.2.5

Use the following flow chart to assist you in walking through the upgrade process.



## Upgrade to StorNext NAS 1.2.5

You can upgrade each StorNext NAS node, either directly from Quantum's external upgrade repository

accessed over the Internet or from your local **/var/upgrade** directory if you do not have direct Internet access.

### Prerequisites

- You must be on StorNext 5.3.1 or later and StorNext NAS 1.2.0 or later to upgrade to StorNext NAS 1.2.5.
- Unless you are already running versions 1.2.3 or 1.2.4 of StorNext NAS, you need to run the NAS Repo upgrade. See [Run the NAS Repo Upgrade on the next page](#).
- You need to perform all upgrades on each StorNext NAS node.
- You need either to be logged in as the NAS **sysadmin** user or issue the `su -sysadmin` command to complete the system upgrade.

### Upgrade a StorNext NAS Node Using Quantum's External Upgrade Repository

1. From the console command line, run the following command to upgrade your StorNext NAS software to version 1.2.5:

```
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:
```

```
-----  
quantum-snfs-nas.x86_64 1.2.5-5580.e17.centos snfs-nas  
-----
```

```
*** During system upgrade, filesystem access will be interrupted.
```

```
Are you sure (yes/No)? yes
```

### Upgrade a StorNext NAS Node from the Local **/var/upgrade** Directory

1. Download and unpack the applicable tar.gz file to the **/var/upgrade** directory.

**CentOS6 (supported on G300s, Artico, and StorNext M-Series MDCs)**

```
quantum-snfs-nas-1.2.5-5580.e16.x86_64.tar.gz
```

**CentOS7 (supported on Xcellis Workflow Director)**

```
quantum-snfs-nas-1.2.5-5580.e17.centos.x86_64.tar.gz
```

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
The following Packages will be upgraded:
-----
/var/upgrade/quantum-snfs-nas.x86_64 1.2.5-5580.el7.centos snfs-nas
-----
*** During system upgrade, filesystem access will be interrupted.
Are you sure (yes/No)? yes
```

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## Run the NAS Repo Upgrade

To upgrade your StorNext NAS System from versions 1.2.2 or lower, you must manually update your software on each StorNext NAS node using the NAS Repo Upgrade RPM.

### Why Do I Need to Perform this Step?

After running the NAS Repo Upgrade RPM, you have the option of upgrading from Quantum's external upgrade repository accessed over the Internet. With this feature, 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.

You can still upgrade your StorNext NAS software locally (without direct-Internet access). Going forward, however, all upgrade packages are signed, meaning that the public key — imported to your system from the 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 over the Internet or from a local **/var/upgrade** directory.

#### The NAS Repo Upgrade RPM does the following:

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

## Run the NAS Repo Upgrade

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

**CentOS6 (supported on G300s, Artico, and StorNext M-Series MDCs)**

quantum-snfs-nas-repo-upgrade-1.2.3-5181.el6.x86\_64.rpm

**CentOS7 (supported on the Xcellis Workflow Director)**

quantum-snfs-nas-repo-upgrade-1.2.3-5181.el7.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 [Upgrade to NAS 1.2.5 on page 3](#).

**Additional Information**

- You need to perform all upgrades on each StorNext NAS node.
- 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 [StorNext NAS Documentation Center](#)
- To access the version of StorNext NAS software that you are currently running, see the [StorNext NAS Documentation Center](#).
- Because the upgrade process could briefly interrupt access, we recommend performing an upgrade when file systems do not need to be accessed.