



Release Notes

Product	StorNext® Timecode-Based Partial File Retrieval 1.0.1
Date	January 2011

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Purpose of This Release

StorNext Timecode-Based Partial File Retrieval (PFR) enables you to quickly retrieve and utilize segments of large media files— rather than the entire file— based on timecode parameters.

This maintenance release adds support for ProRes, and also corrects issues identified in the previous release. (See [Resolved Issues](#) for a list of specific issues corrected.)

Visit <http://www.quantum.com> for additional information about StorNext and previous releases.

Supported Platforms

At this time Timecode-based Partial File Retrieval is supported only on the following platforms.

The PFR Server and Transfer engine can be installed on the following platforms:

- Windows 2003 Server R2 SP2 32-bit and 64-bit
- Windows 2008 Server R2 64-bit

PFR clients (Status GUI) can be installed and run on the the following platforms:

- Windows 2003 Server R2 SP2 32-bit and 64-bit
- Windows 2008 Server R2 64-bit
- Windows XP
- Windows Vista
- Windows 7

Requirements and Prerequisites

In order to use PFR, your metadata controller must meet the following requirements:

- You must be using StorNext version 3.5.1 or greater, or version 4.0.0 or greater
- File System-only configurations are not supported
- SNAPI 2.0.1 must be installed
- High availability configurations are supported but not required

On the PFR server you must meet the following requirements:

- Bonjour must be installed
- VMWare must be installed
- The “VM w/ SNAPI and PFR Linux Component” must be installed to enable communication between the PFR server and the StorNext API
- For more information about Bonjour, VMWare, and the “VM w/ SNAPI and PFR Linux Component,” refer to the *Timecode-Based Partial File Retrieval User’s Guide*.

Codecs

Segments of large media files that have been archived to tape using StorNext Storage Manager can be requested using a simple XML request file. Timecode-Based Partial File Retrieval instructs StorNext to retrieve only the necessary portion from tape, and then presents that segment as a complete MXF or QuickTime file.

Following is a list of MXF and QuickTime file and media formats that have been tested with Partial File Retrieval:

Codec	NTSC	PAL	720p/50	720p/59.94	1080i/25	1080i/29.97
DV25	✓	✓	n/a	n/a	n/a	n/a
DVCPro	✓	✓	n/a	n/a	n/a	n/a
DVCPro50	✓	✓	n/a	n/a	n/a	n/a
DVCPro HD	n/a	n/a	✓	✓	✓	✓
IMX 30	✓	✓	n/a	n/a	n/a	n/a
IMX 40	✓	✓	n/a	n/a	n/a	n/a
IMX 50	✓	✓	n/a	n/a	n/a	n/a
MPEG2 I-Frame	n/a	n/a	✓	✓	✓	✓
MPEG2 Long GOP @ 25 Mbps	✓	✓	✓	✓	✓	✓
MPEG2 Long GOP @200 Mbps	✓	✓	✓	✓	✓	✓
ProRes 422 (Proxy) ProRes 422 (LT) ProRes 422 ProRes 422 (HQ) *	✓	✓	✓	✓	✓	✓
XDCAM 35	n/a	n/a	✓	✓	✓	✓
XDCAM 50	n/a	n/a	✓	✓	✓	✓
DNxHD 120/145	n/a	n/a	✓	✓	✓	✓

Codec	NTSC	PAL	720p/50	720p/59.94	1080i/25	1080i/29.97
DNxHD 185/220	n/a	n/a	✓	✓	✓	✓
DNxHD 185(x)/220(X)	n/a	n/a	✓	✓	✓	✓

* All ProRes codecs also support the following in addition to the values listed in the table: 1080p/23.976, 1080p/25 and 1080p/29.97.

File Format Specifications

This section contains information about QuickTime and MXF specifications as they pertain to the Partial File Retrieval feature.

QuickTime Specification

For ProRes, PFR 1.0.1 writes QuickTime-compliant files with QuickTime specification 2010-05-03.

Note that compliance alone does not guarantee playback in other devices. PFR 1.0.1 was evaluated with QuickTime Players version 7 and 10, and with Final Cut Pro.

MXF Specification

PFR 1.0.1 writes IMF according to SMPTE 386M D-10, and other MXF formats according to SMPTE RDD9.

Note: There may be differences between what the camera generates and what PFR 1.0.1 generates.

Installation Notes

Before you install Timecode-Based Partial File Retrieval, read the installation-related information in this section.

- On Windows 2008 Server, you must install .NET Framework 3.5.1 via the Server Manager Features menu prior to installing PFR
- Before installing PFR, turn off "Account Control" from the Control Panel Users menu
- During PFR installation, there may be login prompts "hidden" behind progress windows that require user input. If PFR installation progress halts, move the progress window aside to reveal the login prompt.

Resolved Issues

This release of StorNext Timecode-Based Partial Retrieval includes corrections for the following issues.

Operating System	Change Request Number	Description
Windows	31221	The Previous button did not work on the second configuration screen.
	31224	On the PFR Status screen, there was a non-functional Drag button.
	31228	If the Medway engine did not shut down, a Windows restart may have been required.
	31238	Malformed or incomplete XML request files were ignored and not moved to the FAIL directory.
	31377	The PFR Installer defaulted to the last used installation path, which could be incorrect.
	31668	The page displayed after selecting About client>Running sync servers was blank, and license text was also blank.

Documentation

The following related documents are currently available for the StorNext Partial File Retrieval product.

Document Number	Document Title
6-66957-02	<i>StorNext Timecode-Based Partial File Retrieval User's Guide</i>
6-01658-xx	<i>StorNext User's Guide.</i> Refer to the version applicable to your StorNext release: <ul style="list-style-type: none">• StorNext 3.5.2: 6-01658-10• StorNext 3.5.2.1: 6-01658-12• StorNext 4.0: 6-01658-09• StorNext 4.0.1: 6-01658-13• StorNext 4.1: 6-01658-14

Contacting Quantum

More information about this product is available on the Service and Support website at www.quantum.com/support. The Service and Support Website contains a collection of information, including answers to frequently asked questions (FAQs). You can also access software, firmware, and drivers through this site.

For further assistance, or if training is desired, contact Quantum:

Quantum Technical Assistance Center in the USA:	+1 800-284-5101
For additional contact information:	www.quantum.com/support
To open a Service Request:	www.quantum.com/esupport

For the most updated information on Quantum Global Services, please visit: www.quantum.com/support

