



StorNext G300 Gateway Appliance Release Notes

Purpose of this Release

The StorNext G300 Gateway Appliance combines industry-proven Quantum hardware and StorNext software into one convenient, out-of-the-box solution. Your StorNext G300 system hardware has been pre-installed and is ready to operate with a minimum of additional configuration provided at time of installation.

StorNext Prerequisites

You must upgrade to StorNext version 4.2.1.0.1 or later before configuring or upgrading the StorNext G300 Gateway Appliance.

Dependencies

Due to StorNext architecture, shutting down a Gateway, for any reason, can cause temporary operational problems such as limited file access and overall performance degradation. Make sure to keep your Gateway online as long as active Distributed LAN clients are connected to it. Once your Gateway is running again, performance will return to normal.



Licensing

For the purposes of this document, we will use the following terminology:

StorNext G30x Gateway Appliance Terminology	Description	Historical Customer-configured Gateway Equivalent Terminology
StorNext Gateway License*	A 'per gateway' license for StorNext software that enables LAN-based client connectivity to a StorNext SAN	N/A
N/A	An individual 'per client' license for StorNext software that enables LAN-based client connectivity to a StorNext SAN	Proxy License; Distributed LAN Client License; DLC License; LAN Client License
StorNext Gateway Server	Combined StorNext software and hardware device with both Fibre Channel and Ethernet that enables LAN-based client connectivity to a StorNext SAN	Distributed LAN server; Server; LAN server, LAN-based server; DLC Gateway server; Clustered Gateway; DLC Gateway; DLS
StorNext Gateway Client	A LAN-connected computer attached to a StorNext G30x Gateway Appliance that has shared access to a StorNext SAN	StorNext DLC; StorNext Distributed LAN Client; StorNext LAN Client
StorNext Gateway Metrics	A performance reporting and monitoring software module for the StorNext G30x Gateway Appliance	N/A, newly created for StorNext G30x Gateway Appliances

How the StorNext G300 Gateway Appliance license is enabled depends on the current configuration:

- The StorNext G300 Gateway Appliance has a "per Gateway" DLC license model. This license allows you to add clients without having to purchase additional individual licenses.
- For new customers with no existing StorNext components, the license comes from the factory pre-installed and enabled for use with either a new customer-configured MDC or StorNext M330.
- For customers with an existing M330 or customer-configured MDC, if you choose to install the StorNext G300 Gateway Appliance in the same StorNext configuration as a customer-configured DLC gateway, you will be limited to the existing client DLC license count.

Note: Unlike with other appliances where the license is populated in the appliance's license.dat file, for the StorNext G300 Gateway Appliance, the license is populated on the gateway server. Also, to determine whether existing StorNext Gateway licenses are enabled, click the **Connected License Gateways** link at the bottom of the associated MDC StorNext license screen.

Known Issues

[Table 1](#) lists known issues that are specific to StorNext File System.

Table 1 Known Issues

Operating System	CR Number	SR Number	Description	Workaround (if applicable)
Linux	27726	n/a	When a G03x Ethernet connection that uses an HP twinaxial copper cable is hot plugged the connection may not restart automatically.	Avoid using HP twinaxial copper 10G Ethernet cables in point to point or switched installations. Avoid hot plugging HP twinaxial copper 10G Ethernet cables to the G30x. If you must do so, disconnect and re-connect the cable at the end opposite the G30x. Reboot the G30x if it does not re-start automatically.
G300	27986	n/a	SNFS may not re-start on a gateway if a file system is deleted from the MDC before being removed from the gateway.	To prevent this: <ol style="list-style-type: none"> 1. Stop all I/O on the clients. 2. Unmount the file system on the clients. 3. Deselect the file system on the gateway, update the FS name list, and activate the new settings on the gateway. 4. Remove the file system on the MDC.
All	37189	n/a	For short network issue, RAS tickets may be reported on the MDC even though I/O has been unaffected or recovered.	Verify your network environment.

Documentation

The following documents are currently available for the StorNext M330:

Document Number	Document Title
6-67594-01	StorNext G300 Gateway Appliance Site Planning Guide
6-67610-01	StorNext G300 Gateway Appliance Maintenance Guide

Contacting Quantum

More information about this product is available on the Quantum Service and Support website at www.quantum.com/ServiceandSupport. The Quantum 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 Global Services:

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

Quantum, the Quantum logo, DLT, DLTtape, the DLTtape logo, Scalar, StorNext, the DLT logo, DXi, GoVault, SDLT, StorageCare, Super DLTtape, and SuperLoader are registered trademarks of Quantum Corporation in the U.S. and other countries. Protected by Pending and Issued U.S. and Foreign Patents, including U.S. Patent No. 5,990,810. LTO and Ultrium are trademarks of HP, IBM, and Quantum in the U.S. and other countries. All other trademarks are the property of their respective companies. Specifications are subject to change without notice.

StorNext utilizes the following components which are copyrighted by their respective entities:

ACSAPI, copyright © Storage Technology Corporation; Java, copyright Oracle Corporation; LibICE, LibSM, LibXau, LibXdmcp, LibXext, LibXi copyright The Open Group ; LibX11copyright The Open Group, MIT, Silicon Graphics, and the Regents of the University of California, and copyright (C) 1994-2002 The XFree86 Project, Inc. All Rights Reserved. And copyright (c) 1996 NVIDIA, Corp. NVIDIA design patents pending in the U.S. and foreign countries.; Libxml2 and LibXdmcp, copyright MIT; Linter, copyright © Relex Software Corporation; Ncurses, copyright © 1997-2009,2010 by Thomas E. Dickey <dickey@invisible-island.net>. All Rights Reserved.; TCL/TK, copyright © Sun Microsystems and the Regents of the University of California; TinyXML, copyright (c) 2000 -- 2002 by Lee Thomason and Yves Berquin; vixie-cron: copyright Internet Systems Consortium (ISC); Wxp-tdi.h, copyright © Microsoft Corporation; Zlib, copyright © 1995-2010 Jean-loup Gailly and Mark Adler without notice.