



# NexentaStor 5.1.1-FP1 and NexentaFusion 1.1.1-FB1 Release Notes

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## Release History

Date	Description
January, 2018	NexentaStor 5.1.1 and NexentaFusion 1.1.1 GA version
February, 2018	NexentaStor 5.1.1-FP1 and NexentaFusion 1.1.1-FB1 version

## Resolved Issues

Table 1 lists the resolved issues of NexentaStor 5.1.1-FP1 and Table 2 lists the resolved issues of NexentaFusion 1.1.1-FB1.

**Table 1: NexentaStor 5.1.1 Resolved Issues**

Component	Key	Description
HA	NEX-15731	Resolved an issue where a cluster failover operation occasionally left the filesystem in a state that blocked subsequent pool imports, causing imports to fail.
NEF Appliance Management	NEX-15111	Implemented the ability to create SMB Groups via the CLI.
NEF API, CLI	NEX-15089	Resolved the issue where disk list was shown as TiB unit. Now the output of the <code>disk list</code> command displays the size in 10-base units.
Platform	NEX-15619	Resolved an issue which caused long delays when deleting a large number of autosnapshots.
Platform Kernel, replication	NEX-15088	Enhanced locking logic to help prevent file services from hanging.
Platform replication	NEX-15374	Corrected the error reporting of the Autosnap service when the ability to destroy a snapshot is deemed impossible.
Platform replication	NEX-15660	Resolved a panic encountered on the start of a replication session caused by an incomplete initialization of a KRRP subsystem.
Platform Kernel, replication	NEX-15763	Resolved an issue where KRRP would accumulate large numbers of snapshots under certain conditions where clients modify very small amounts of data on replicated datasets in sync mode.
Platform CIFS-SMB	NEX-15023	Changed the treatment of Windows usernames to "case insensitive".
Platform CIFS-SMB	NEX-15052	Resolved a condition where users were unable to apply ACE's for local users/groups from a Windows client on NexentaStor filesystems.
Platform SMB	NEX-15786	Fixed a potential hang of the SMB service caused by network stack issues.

**Table 2: NexentaFusion 1.1.1-FB1 Resolved Issues**

Component	Key	Description
Fusion ESDB	NEX-15795	Resolved an issue where a custom heap size was being set back to the default upon a reboot of Fusion.

## Enhancements

Table 3 summarizes the notable enhancement in NexentaStor 5.1.1-FP1 and Table 4 the notable enhancement in NexentaFusion 1.1.1-FB1.

**Table 3: NexentaStor 5.1.1-FP1 Enhancement**

Component	Key	Description
NEF ZFS	NEX-15311	The CLI now supports both base 2 and base 10 storage capacity units used for command input and output. For example, the unit "TB" is interpreted as base 10 Terabyte (1000 <sup>4</sup> bytes) while units "T" and "TiB" are interpreted as base 2 Tebibyte (1024 <sup>4</sup> bytes) numbers.  For more details on supported units, see the help output of any command on the CLI (e.g. <code>disk list -h</code> )

**Table 4: NexentaFusion 1.1.1-FB1 Enhancement**

Component	Key	Description
Fusion Logs/Alerts/Rules	NEX-15600	Fusion now allows users to clear ALL alerts with one click.

## Known Issues

### NexentaStor 5.1.1-FP1 Known Issues

Listed below is a new issue for NexentaStor 5.1.1 that has been uncovered since the release of 5.1.1. For a complete listing of known issues in 5.1.1 refer to the 5.1.1 release notes.

Component	Key	Description	Workaround
Platform ACL, HA	NEX-15710	Access attempts to NexentaStor SMB filesystem, after HA failover, errors out with no permission error.	After failover, perform <code>svc restart smb</code> on the new active node ( <code>svcadm restart smb/server</code> )

### NexentaFusion 1.1.1-FB1 Known Issues

Known issues for NexentaFusion 1.1.1-FB1 are identical to the known issues in NexentaFusion 1.1.1. For a complete listing of known issues in 1.1.1-FB1 refer to the 1.1.1 release notes.

# Installation and Upgrade Procedures

NexentaFusion should be upgraded prior to upgrading NexentaStor.

## Supported Version

Note: NexentaFusion 1.1.1 FB1 supports NexentaStor 5.0.3, 5.1, and 5.1.1.

Follow the instructions in ***NexentaStor 5.1.1 Installation QuickStart*** to install and upgrade NexentaStor and ***NexentaFusion 1.1.1 Installation QuickStart*** to install and upgrade NexentaFusion.

Note: Upgrade from 4.0.x to 5.x is NOT currently supported without Nexenta Professional services. Any customers in need of migration to 5.x should contact their local support person(s).

Fusion 1.1.1 FB1, FixBuild1, is available to upgrade an installed Fusion instance. Fusion 1.1.1 FB1 also replaces the GA version, Fusion 1.1.1.6, for new installs.

## Where to Find More Information

For more information on NexentaStor 5.1.1 and NexentaFusion 1.1.1, use the following documents in conjunction with this release notes. To access the following documents, please visit:

<https://nexenta.com/products/documentation>

### ***NexentaStor 5.0 Product Guide***

This document includes an overview of NexentaStor and its core components, describes key features, and provides relevant CLI commands. This manual is intended as a guide to NexentaStor concepts and not as a configuration guide.

### ***NexentaStor 5.1.1 and NexentaFusion 1.1.1 Installation QuickStart***

This document includes the instructions to install and upgrade NexentaStor and NexentaFusion.

### ***NexentaFusion 1.1.1 User Guide***

This documentation provides easy to follow step-by-step instructions for common configuration and monitoring tasks.

### ***NexentaStor 5.1.1 CLI Configuration QuickStart***

This guide demonstrates the basic steps and commands to configure and manage NexentaStor 5.0 appliances. Use this document in conjunction with the *NexentaStor 5.1.1 Reference Guide*, and the *NexentaStor 5.1.1 HA CLI Admin Guide*.

### ***NexentaStor 5.1.1 CLI Reference Guide***

This reference guide provides a summary of the CLI commands. Use it in conjunction with the *NexentaStor 5.1.1 CLI Configuration Guide*.

### ***NexentaStor 5.1.1 HA QuickStart***

This guide demonstrates the basic steps and commands to configure and manage the NexentaStor 5.1.1 High Availability (HA) cluster using the NexentaStor 5.1.1 Command Line Interface (CLI).

### ***NexentaStor 5.1.1 vCenter QuickStart***

This guide includes instructions to install NexentaStor 5.1.1 vCenter Web Client Plugin (vCenter Plugin), which enables VMware customers to configure and manage storage and virtualization through a single interface. You can use this plugin to access summary and detailed analytics and real time status monitoring of single and clustered NexentaStor appliances.

### ***NexentaStor 5.1.1 VVOL Admin Guide***

This guide describes the NexentaStor Virtual Volume (VVOL) solution. It provides instructions on how to deploy VVOL, integrate it with VMware vSphere, and enumerates storage operations it supports.

### ***NexentaStor 5.1.1 High Performance Replication (HPR) User Guide***

This document demonstrates how to configure High Performance Replication (HPR) to replicate datasets using the NexentaStor Command Line Interface (CLI) and using the NexentaFusion GUI.

For details on the list, see [portal.nexenta.com](http://portal.nexenta.com).

### ***Hardware Certification List (HCL) for NexentaStor 5.0***

This document provides a list of certified hardware for NexentaStor 5.0 and is intended for Nexenta Partners and Nexenta customer-facing organizations. The latest version of Nexenta Hardware Certification List (HCL) is posted on Partner Portal. For information on the NexentaStor Openstack Cinder drivers (NFS/ iSCSI), see

[docs.openstack.org](https://docs.openstack.org) and search for 'NexentaStor 5.0'.