



Release Notes

Release	5.4.1.1
Supported Product	StorNext FX 5
Date	August 2018

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What's New in StorNext FX 5

The sections below provide information on fixed issues addressed in the following releases of StorNext:

- [StorNext 5 release 5.4.1.1 below](#)
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StorNext 5 release 5.4.1.1

Operating System	Change Request Number	Service Request Number	Description
All	70846	433642	Windows Verifier Violation (C4): Waiting at DISPATCH_LEVEL, without a timeout
All	71575	n/a	Linux kernel version mismatch on parameters of cvfs_get_name() between definition and caller
All	71635	426372	SN 5 FSM can run out of buffers when restarting a restore with large directories

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Operating System	Change Request Number	Service Request Number	Description
All	38488	1646652, 3489886, 3688742, 3710144, 3712134, 3732728, 413115	need to check device path when setting tape library 'Online'
All	54341	3502744 3702062 3745926, 329649	CVFS 5.1 should not use byte swapped message lengthto allocate qstatat response buffer
All	58675	292287	thread configuration from the window's GUI caused the cvsyncattrthread to not start
All	60916	304538, 292011	xdi_Test broken.It cannot initialize api for a scsci library.
All	65289	291964	fs_altstore - file renames while requests are queued results in callout failure infinite loop
All	65603	298505, 300800, 302483, 303615, 310863, 333020	fs_altstore segfault in sndb_GetNextRow()
All	65781	305320, 3661514	customer request to lower the SEV for ERR GetLdapMap: cond WAIT returned error=138 to informational
All	66210	314407	fs_store segmentation fault leads to core and shut down TSM
All	66215	314353	fsm panic: /usr/cvfs/bin/fsm ASSERT failed "PIT_IN_TIME_SPLAY(asrp)" file /scm/nightly/VM-0-RedHat60AS-26x86-64-SP0/sn/snfs/fsm/alloc_asr.c, line 1699

Operating System	Change Request Number	Service Request Number	Description
All	66343	303532, 325222, 338660, 337355, 347887, 370412, 379081, 412018	cvfs_req_data kmem_cache inconsistencies causing Linux kernel oops
All	66489	n/a	Altstore: remote finalization failure, error=36
All	66653	321143	fs_altstore segv in releaseRow()
All	66783	323799	fs_altstore - callout transfer script output should always be logged on errors
All	66928	323136, 350852, 351747	Altstore is getting stuck on files that are not getting stored by SM
All	68748	344810	ASSERT failed "bp->b_validate during freelist conversion from cvbtree to snbtree format
All	68837	337136 350237	Windows Exception in cvAcqWriteLock()
All	68840	345730	snsnms_scan issues when repairing file with no SNEA
All	69221	346914, 333021	PSE_control modify_crontab_entry() subroutine overwrites tdlm crontab therefore sngateway_cleanup.pl entry is lost
All	69234	318559, 387804	StorNext 6.0: fsm: Xsan 5.0 client: StorNext FSS 'snfs2[0]': SNFS Client '10.65.163.178' (10.65.163.178) disconnected unexpectedly from file system 'snfs2', reason: recv [5] failed - [errno 104]: Connection reset by peer
All	69266	350789	qstatat leaves behind .csv file indefinitely - the root partition could fill up.
All	69347	355616	TSM stores files successfully even though the LTFS unmount failed
All	69374	358555	system panic on Linux NFS server when exported SNFS file system is configured case-insensitive
All	69624	0373633, 371655	ACL don't work for group when bound to AD

Operating System	Change Request Number	Service Request Number	Description
All	69689	401102	hang in cvfs while submitting 0 length buffer
All	69694	366334	Stale directory cache on stornext 5.4.0.3 clients
All	69716	366334	dead cvnodes not getting purged
All	69745	331672	SNFS Client directory cache contained stale data (need partial fix from 67545 -> 5.x and LCR
All	70062	373272	Inability to use mv on a file.Error produced from TSM.
All	70078	373147	Handle multipart completion with HTTP 200 response code followed by additional error message
All	70124	376032	MSM memory leak in LibManager
All	70443	386195, 408124	fs_altstore: old staging files in .AltStoreStagedir & ASL transfers stop w/ socket connections limit reached (no socket connection teardown)
All	70704	387518	when copy-2 media is unavailable, "fsretrieve -a -c 2" fails silently i.e. no error code returned to caller
All	70786	399295	MSM memory leak in LibManager for vspoolqry and vsmedclassqry

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Operating System	Change Request Number	Service Request Number	Description
Windows	62918	3707364	StorNext windows client using Windows 10 OS will not display the StorNext mount.

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Operating System	Change Request Number	Service Request Number	Description
All	62382	n/a	Add qustats to proxy code in client.
All	62806	3642114, 3654728	Support extended attributes up to 4096 bytes to match Xsan.
All	63421	n/a	ASSERT "slpq" in NukeSlpLock() pops during unmount.
All	63422	n/a	reconnect can hang when there are many dirty cvnodes.
All	63423	n/a	CvSyncAttr stops doing its job due to ESTALE error returned from FlushAttrs(), dirty list grows unbounded and not processed (Must be running Adamado, Sierra, for this to be fully addressed).
Linux	62863	3658950	CvApi_BulkCreate can fail with EEXIST with SIGINT.
Windows	63065	3656984	cvcp on Windows will fail to copy files with special characters even if the SFM mount option is specified.

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Operating System	Change Request Number	Service Request Number	Description
All	61099	3573622, 3586078	Disk Proxy Client errors number should be log error messages not error numbers.
All	61118	3589032, 3568592	Thread processing fallocate() deadlocks with cvfbiod on cv_resextentlock rwlock.
All	61121	3608098	Data corruption when DLC client timeout on Proxy server.
All	61135	3610710	When marking SG up and connecting or labeling LUNs so visible clients fail to reconnect.
Windows	61908	3646008	Windows 10 Update breaks drive-letter SNFS mounts.

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Operating System	Change Request Number	Service Request Number	Description
Windows	59896	3576618	Windows preallocations overallocate causing file to use more space than needed.

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Operating System	Change Request Number	Service Request Number	Description
All	56634	3452842	We are not printing unsigned integers correctly they can show up as negative values in our logs.
All	56644	n/a	fsforeignservers man page not included in client packages.
All	56647	3534174	When using Linux NFS servers write performance is abysmal if file is in shared write mode.
All	56680	n/a	smbd could not be restarted without reboot after upgrade 5.2.1 to lcrs_5.2.1_RC56378.
All	56734	n/a	StorNext client support for Apple OSX 10.11.
All	56827	3519756	Stripe Group mark offline on reconnect cannot recover until remount.
Linux	56833	3546966	FixStaleAttrs() update FSM with Stale data causing file corruption.

StorNext 5 release 5.2.1

StorNext FX 5 release 5.2.1 adds new platform support for key Linux distributions. Beginning with this release Red Hat Enterprise Linux 7.0 and Red Hat Enterprise Linux 7.1 and SUSE Linux Enterprise Server 12 are supported FX clients. For additional information about which versions of Linux and Windows systems are supported as FX clients, refer to the *StorNext 5 Compatibility Guide* available online at <http://www.quantum.com/sn5docs>.

Operating System	Change Request Number	Service Request Number	Description
All	46938	3356884	64M or larger DMA I/O fails with ENOMEM on RHEL5 on stripe groups having only one LUN
All	51575	3458612, 3392684, 3467430	FixStaleAttrs() return VOP_EINTR causing inode to be mark stale
All	52922	3479708	NFSD hung waiting for cvfs IO buffer
Linux	49268	3409512, 3515864, 3535130	ipython activation may cause kernel stack overrun on Linux
Linux	49940	3319200, 3429870, 3437466, 3438678	ls -l is showing "?" instead of file attributes in case of FSM services being cycled"
Windows	48208	3357938	Windows: StorNext 5 SMBv1 share does not display all files in a directory
Windows	49505	3397428, 3514602	Windows Explorer will fail to open the root of a StorNext file system
Windows	51092	3439086, 3380044, 3441922, 3459502, 3475416	Windows Server 2012 Crashes when CIFS sharing a StorNext volume

StorNext 5 release 5.0.1

StorNext FX 5 release 5.0.1 adds platform support for Windows 8.1, Windows Server 2012 R2, Red Hat Enterprise Linux 5 update 10, Red Hat Enterprise Linux 6 update 5, SuSE Enterprise Linux 11 SP3 and Debian 7.0 through Debian 7.2. This release also addresses the fixed issues in the table below.

Operating System	Change Request Number	Service Request Number	Description
All	44481	1322602	Windows SNFS client Logs 2,000 warnings per sec - "application attempted to open a file with extended attributes..."

Operating System	Change Request Number	Service Request Number	Description
All	46373	1625772	Client performance degradation after 3.0.2 client upgraded to 4.3.2
Linux	44387	1204952, 1316996, 1517194	Client process trying to open an "exclusive" metadata/journal LUN
Other	44572	1589858	HP-UX: panic due to sleep while in interrupt context
Windows	44957	1611896	SNFS does not support Set-GID on Directories correctly on Windows
Windows	45881	1633428, 1632848	Windows SMB clients sometimes cannot mount StorNext shared file systems on Windows 2012

Contacting Quantum

Contacts

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