

RSF-1 3.9.10 Release notes

The following enhancements have been made to the RSF-1 package since 3.9.1

Features

New features

- Included new rsyncha command.
- Updated to the new rsfcliv2.
- Initial implementation of Python RPC server.

Speed Ups

- Multiple vip check in parallel.
- Implement fast failover.
- Support for quickmove.

Disk Fencing

- Updates for PGR3 status.
- Added -i flag to mhdc, to ignore blacklisted drives for PGR3_RELEASE.
- Rollback to two non-parallel reserves.
- Introduction of devid.
- Added option to create a res_drives file instead of printing to stdout.
- Added retry amount to mhdc SCSI-2 reserves.

Licensing

- New chassis id licensing.
- Updated licensing code.

Enhancements

Tidy ups

RSF-1

- Added check for COMSTAR_ENABLED in rsfrc when starting stmfharpc daemon.
- Allow certain properties to contain a string value of any form.
- rsf.sh function is_numeric, which uses regex not egrep.
- rsf.sh updates for sysevent.
- Consolidation of variables and paths into rsf.sh.
- Clear state files when restarting server.
- More properties definitions.
- Updated code to run a SCSI inquiry then get page 80 back with Product Serial Number.
- Got rid of create_res_drives_file function since disk_list binary can now do it by itself.
- Updated fast failover check.
- Updated in rsfexec for fping.
- Made CLUSTER_ID part of single node cluster configuration file.
- S14res_drives uses new rsyncha by default.
- zfs-cache-sync used rsyncha.

- Added fast failover to rsf-1 and rsfapi.
- rsfcdb support for single node clusters.
- Added prop_scsi2_retry_count.
- Update for chassis ID licensing.

Heartbeats

- Removed code for disk heartbeat suspension - no longer needed.
- Added support for devid in heartbeats.

Stmfha

- Updated help dialogue.
- Added further checks for no libstmf support.
- Ability to sync to different file name on remote node.

Rsyncha

- Added ability to pull files.
- Updated to use long seek offset rather than int.

Portability

- Start of extraction of rsync so ssh bindings not required in mapmgr.
- Added optional extra start/stop rc directories in RSF-1.

Platform support

- Added support for EM1 network devices in Linux.
- Support for freebsd (3.9.2-0).
- Updates for stmfha and rsyncha for freebsd.

Minor Bug Fixes

RSF-1

- Fixed bug in FEN where loop counter worked incorrectly after node crash.
- Fix for multiple interface checking for Solaris.
- Fixes to the build scripts.
- Fix spelling mistake in properties that stopped ZFS cache sync running.
- Fixed is_numeric to allow negative arguments to is_numeric.
- Fix for disk_list and librsfapi.
- Fixes for devid library.
- Removed all reference to libtopo - caused sigabort in malloc and sent random sig 15.
- MHDC supression of some error messages which were causing confusion in log file.
- MHDC returns correct status codes.
- MHDC added option to read Chassis ID.
- Fix for fast fail check to know about ALUA.
- Fixed issue in package.sh where test for TRUE before def of TRUE.
- Fix file descriptor leak when config_dist called half way through rsf request.
- rsfapi fix for remote RSF-1 version reporting.
- Fix for FEN when RSF-1 not running.
- Fixed issue with killing Python child process.
- Bug fix for pool import by GUID where wrong GUID could be inherited from shell env.

- Fixed getpid().
- Added event_notifier wrapper.
- Added event_notifier filter.
- Added skip_device support.
- Added python file rsf_get_info.py.
- Added fping retry property.
- Added property PROP_SSH_BOUND.
- stmfha: Added support for LUNs with no views.
- stmfha: slight Makefile fix.
- stmfha: static link for libstdc++.
- rsfcli: removed extra line of logging from auth commands.

Specific Changes

- Updated copyright dates.
- Splitting of python code to several modules as the original was getting too unwieldy.
- The removal of the cluster operations tab and the functionality moved to the status popup.
- Removal of dead python code (old menu system).
- Updated is_nexenta test as /var/lib/nza did not exist on install.
- Added prop_gui_disable_online_help.
- Added check for nexenta 4 and zpool -c option.
- Fixes NEX-1887 - mammgr could core dump when proxy is disabled.
- Fixed disk_test code so that the retry code doesn't add 1 second for every disk.
- Changed default option of sticky mode to false.
- Added GUI properties for IPV6 and Fast failover.
- COR-26 - improve OS/Platform detection.
- COR-19 - dont monitor stmfha is libstmf is not installed.
- COR-7 - rsyncha used to sync res drives files.
- COR-24 - distribute res_drive_file should not block.
- COR-15 - rpcstmf should handle stmf not being installed.
- COR-6 - Interrogate RSFCDB for volumes under cluster control.
- More changes to defaults in RSF-1.
- Licensing
 - New licensing scheme chassis/serial/hostid.
 - hac_hostid fix for COR-45.
- Added custom pool hook to S20zfs.
- Added skip_devices to S15zfs_mhdc.
- Added prop_skip_vip_check to rsfexec.