

UrBackup Appliance Change Log

Appliance version 9.11 (2020-03-24)

Changes:

- Do file level deduplication during appliance to appliance file backup replication
- Improve file backup replication performance
- Ability to move variable system data to a separate disk
- Fix saving monitoring settings
- Improve RAM usage when replication is interrupted by freeing buffers faster
- Add hint about waiting for password update when a wrong admin password is entered
- Fix backup size calculation with changed files
- Fix log file display with non-all log permissions
- Use main client setting for correct max_running_jobs_per_client value
- Sync (parent) backup folder as well on backup completion
- Increase number of spare replication connections (performance)
- After password reset, update password from internet server more often (every 5 min) till it receives a new password
- Resize cloud cache in db after cloud cache size change
- Update Linux kernel to 4.19.108
- Reduce memory usage for compressed connections
- Fix SSL setup web interface issue
- Add checkbox to redirect http to https
- Add setting to enable/disable smb/nmbd in system settings
- Ability to add cifs folder as RAID storage

Appliance version 9.9 (2019-12-11)

Changes:

- Fix search database creation crash bug
- Fix search database cleanup/freeing

Appliance version 9.8 (2019-12-03)

Changes:

- Remove space used column in storage settings
- Improve kernel update error handling
- Add functionality to change theme (e.g. to dark mode) in system settings
- Retry RAID repairing infinitely if repair fails because of being out of space in scrub/balance (wait for space to become available)
- Remove non-working page close buttons on help page etc.
- Fix crash issue in search database initialization
- Fix issues that caused replications to fail
- Output used space of RAID disks in storage settings

Appliance version 9.7 (2019-11-27)

Changes:

- Fix upgrade for generic cloud instances

Appliance version 9.6 (2019-11-26)

Changes:

- Fix status/alert if incremental image backups are disabled
- Check if parent exists on source file system when archiving to cloud. This fixes some archival to cloud falling back to a full archive
- Improve some internal error login with local cached RAID
- Fix issue when retiring RAID device cache and system is rebooted suddenly
- Fix removal of scrub/balance progress display when scrub/balance is stopped
- Increase RAID total file system size faster in some cases
- Fix RAID defrag never running again after it was stopped because of timeout once
- Fix import from cloud erroneously assuming objects have no prefix causing cloud storage not to mount after import. Make detection of object name prefixes more robust
- Don't restore file backup search databases from backup storage that don't exist anymore after reboot
- Cleanup search database backups on backup storage on startup
- Improve database error logging
- Fix search database syncing before finishing backups
- Add raid and cloud cache reset functionality
- Add setting to compress raid and cloud cache (ZSTD/LZO)
- Fix check if image backup is already queued
- Handle "ALL_NONUSB" setting in image snapshot group
- Fix showing S3 setup errors
- Scale min free metadata space with cache size to fix ENOSPC issues with cloud/raid cache
- Improve raid/cloud cache performance
- Fix raid/cloud cache issues with newer Linux kernels (>4.19)
- Disable throttling of RAID rebuilds
- Use backup storage as temporary storage for appliance update if necessary (low amount of free space on system disk). This will be active for updates after this one
- Only wait for max. 5min for submissions before starting RAID defrag
- Handle RAID metadata corruption during startup by ignoring/ejecting the disk from RAID
- Improve RAID erasure code error handling
- Fix restore with simple backup storage (not cached RAID or cloud storage)
- Fix issue with showing the ident error on the status screen
- Start emergency cleanup if there is less then 100GB free space in raid/cloud cache mode
- Improve trimming free space in cloud/raid cache mode
- Allow deletion of raiddevcache devices
- Save metadata objects with different RAID layout if appropriate
- Fix RAID layout calculation caching
- Improve handling of RAID disk configuration failure
- Improve RAID disk configuration output
- Limit amount of time waiting for sync before flushing RAID

- Destroy old replication services for a while for old name after rename to fix replication not starting
- Fix search database replication
- Delete previous minor system updates after update
- Properly stop sending events if monitoring is disabled
- Fix issues with disk name if there are a lot of disks (RAID)
- Improve disk detection and mounting (made asynchronous)
- Set iSCSI disks to write-back caching
- Fix VM starting on AWS Marketplace instances
- Fix NAT network setup for VMs
- Use ZSTD compression instead of zlib for simple backup storage
- Restart system scrub after reboot if it was determined to have failed previously
- Write system updates ZSTD compressed to use less space on system disk

Appliance version 9.2 (2019-10-7)

Major changes:

- Ability for appliance to remote control each other (federation) via replication channels
- Proper used space calculation for image backups
- Support for sharing RAID disks with other appliances and support for using iSCSI disks
- Startup cleanup now finishes partially, allowing backups to start without the cloud archive being available
- Web interface security improvements (Strict Content Security Policy)
- Improved dynamic RAID disk space management
- Support multiple network adapters
- Added ability to mirror RAID asynchronously to S3 storage and ability to convert from s3 storage to RAID storage
- Added ability to remove (without taking them offline first) and replace RAID disks
- Support ZSTD transport compression and as use ZSTD instead of zlib compression for RAID and cloud storage
- Made RAID and cloud storage compression configurable in the advanced settings
- Parallel hashing improvements
- Calculate and display total sizes of image and file backups
- Ability to configure CBT client (add CBT key) and to configure CBT branch to be used/updated to
- Major improvements to cloud archive throttling and cache sharing with RAID cache
- Added ability to manually preload an image and use Linux kernel ntfs to browse images when insecurely mounted
- Added Google Cloud Storage support (in S3 compatibility mode)
- Added ability to use system disk as cache disk (for RAID and cloud storage)
- Added (configurable) RAID disk defragmentation
- Added ability to compare file backup contents. List added, deleted or modified files. Comparison to last file backup or between any two file backups
- Clients can now connect via https proxy to server. The appliance is pre-configured to be able to act as https proxy for clients (to localhost Internet port only). Appliances can replicate via https proxy
- Throttle scrub/balance/rebuild if RAID disks are used more than 50% of the time by backup/restore operations

- Added ability to search for files/directories in file backups (search database creation)
- Improved cloud upload progress display, as well as progress display of RAID scrubs, rebuilds and reshapes (now has speed and ETA information)
- Update to Linux kernel 4.19.72

Appliance version 8.25 (2019-07-01)

- Timeout for cloud drive connectivity checking during setup
- Microsoft Azure support
- Generic Cloud Provider support
- Linux kernel 4.19.56

Appliance version 8.20 (2019-05-30)

- Fix image mounting with non Hyper-V volumes
- Fix updating on new Amazon AWS images

Appliance version 8.17 (2019-05-21)

- Fix cloud cache rebuild from S3/Azure in some cases

Appliance version 8.16 (2019-05-17)

- Linux kernel 4.19.43
- Disable firmware reset on AWS ec2
- Jump to correct login screen after initial setup/when restoring from data on backup storage
- Allow setting license key when appliance has no account
- Lock root account after setup/if admin account exists and allow login via “root”/”urbackup” before that
- Fix root partition detection on AWS ec2