



# BrickStor Release Notes

Version 21

Release Date: 20 November 2019

The RackTop team is pleased to announce the availability of BrickStor version 21. Below is a list of enhancements and important issues that have been addressed.

**Note:** Please contact support for specific upgrade instructions if you are upgrading from version 18.12 or prior.

## New Features

This release includes the following new features:

### Server Message Block (SMB) 3.0.2 Support

BrickStor now provides support for SMB 3.0.2 when you select SMB as your network file sharing protocol. SMB 3.0.2 provides the following enhancements:

- Improves SMB performance in virtualized data centers
- Provides end to end data encryption during data exchange between sender and recipients
- Supports Advanced Encryption Standard (AES) based signing algorithms
- Allows organizations to define the minimum SMB version that clients use to connect to BrickStor, which allows users to disable weaker security versions such as SMB 1
- Mandates secure negotiation when connecting to clients with SMB 2 or higher

### High Availability (HA) Enhancements

BrickStor now includes the following HA enhancements:

- Provides support for multiple VNICS within a single resource group, which allows for more flexible configurations and enables the use of multiple physical network interfaces and aggregates per resource group
- Allows users to label VNICs with useful names for better organization
- Provides support for configuration of the following action responses for failure scenarios in HA Clusters:
  - Automatically move resource groups if a network link becomes unavailable
  - Automatically power off an HA node if it becomes unresponsive
  - Automatically power off an HA node if the export exceeds the export threshold setting
  - Configure the delay for any Auto Move operation between failover detection and initiation
- Displays explanatory messages regarding auto move operations between HA nodes
- Displays the duration of import and export operations

### Snapshot File Indexing Control

BrickStor now provides granular control of snapshot file indexing on a per dataset basis. Enabling this option creates an index of files and folders in the pool, which improves file search functionality within snapshots.

### Dataset and Share Encryption Reports

Users can now view Dataset Encryption and Share Encryption reports, which are accessible under Compliance Reports.

## Services Restart

Users can now manually restart system services from myRack Manager. Locate the desired service on the System tab, hover a pointer over it, and click the **Restart Services** icon.

## Key Manager Enhancements

Key manager now supports the SafeNet KeySecure key management platform.

## Changes

This release includes the following notable changes to existing features:

- In HA configurations, terminology referring to “crossover” has been replaced with “heartbeat.” For instance, “crossover” will now be labeled as “hb0.”
- Enabling User Behavior has moved from the Settings Tab to the Sharing Tab.
- Pools are now organized alphabetically in myRack Manager.
- When adding a dataset, the target storage profile context menu only provides options that will guide users to a recommended data structure.
- User behavior auditing reports no longer includes an Apple Filing Protocol (AFP) option.
- Boot pool drives are now hidden by default, unless they experience problems which will then be displayed in warnings and RackView.
- Network Data Management Protocol (NDMP) now supports more backup products
- User Behavior now reports on more events and provides more accuracy.

## Fixed issues

This release resolves the following issues:

- After creating a pool, users were unable to add a write cache mirror.
- Some datasets may have failed to mount during a failover.
- This release includes numerous system performance and stability fixes.
- The system reported inaccurate temperatures on enclosures and disks.