



# BackBox<sup>®</sup> E4.09

## Release Notes

### Abstract

This Release Notes document is for E4.09

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Edition: H06.06, J06.06 or L06.06 RVUs, or subsequent H-series, J-series or L-series RVUs



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## **Version E4.09 – JUNE 2021**

### **New features & Improvements**

- NSK license display options have been improved in sync with the NSK license signature key
- Error message prompt has been updated to show relevant error messages for replication containers creation.
- Improved the IP Address lookup replication display for embedded QoreStor
- New feature implemented to allow updating QoreStor host name (in case the IP addresses have not been yet configured).
- Improved the behaviour of spare move retry when signature error generated during copy process
- Improved spare move process by creating a job object in the spare move running process and updating the process status
- Implemented new process to handle spare move critical errors.
- Improved running job auto-restart process after server re-boot or software update.
- Re-designed VTCMC interface and display
- Ticket collection tool has been updated to display all events for selected logs
- New naming convention has been implemented for spare move objects. Following parameters have been included in the name: name, action, data store, time stamp.
- Improved VT Controller page to display relevant information on QoreStor update
- Implemented new features related to QoreStor data store creation process
- Improved User Management page to enhance security and user access capabilities.
- Implemented security editable feature and group permissions for User Management page
- Modified the sign-on process to enable various group permissions (alias, group, support)
- Multi-node support has been added to the user interface

### **Resolved Defects**

- Resolved major security issue CVE-2021-33895, related to Installer SUPER user authentication from BackPak user interface.
- Fixed an error generated by license query in VTCMC for no-signature licenses
- Resolved a defect related to the length of QoreStor (host) name
- Fixed delete target files error during spare move process
- Fixed an issue related to EMS error message.

## ***Version E4.09 – JANUARY 2021***

### **New features & Improvements**

- A new Datastore type (QoreStor) is now available for the embedded dedicated QoreStore server. The new Datastore type automatically creates storage pools based on data management policies by naming them according to the naming convention.
- For QoreStore Datastores or for Winstore storage set as Rapid CIFS (Qorestor), all virtual volumes belonging to a given volume group are automatically stored in sub-folders named to match the specified volume group.
- VTC Management Console displays now QoreStor server node with parameter settings for configuration and replication.
- Improved the event list and associated messages forwarded to NonStop EMS to include QoreStor events.
- QoreStor VM system clock and time zone are automatically set up to match the VTC time parameters.
- New and improved access control using User Management interface feature to allow setting up customized permissions and creating profiles with associated roles.
- SecurID is now supported (MFA) by Sign-In screen to allow authentication by security token (PIN), when required
- Implemented a batch Datastore password-change program (OBB004/ OBB004B) that validates the access to Datastores.

### ***Deprecated / Decommissioned Features***

- Run interactive processes under the sign on user ID is no more needed to limit wide-ranging access using Guardian/Safeguard ACL on BackBox configuration files (replace using User Management profile feature)

### ***Resolved Defects***

- Resolved a defect related to Data Store paths created for StoreOnce.
- Fixed an error that generated an application hang while unloading with BoostFS.

## ***Version E4.08 - DECEMBER 2019***

### **New features & Changes**

- The UI now displays the definition of a Management Class (TSM Management Class) when running a TSM script
- Added new field in the Volume List page: Last Update Timestamp
- New feature has been implemented to support Datastore optimization for client storage (BoostFS)
- BackBox allows now up to 12 iSCSI devices per NIC
- Improved the materialization function
- Parallel encryption with both iSCSI and FC is now available.
- Improved the refresh rate of the Refresh Status page.
- New ATTO tool version is now available: version number 432, using OpenJDK11.

### ***Deprecated / Decomissioned Features***

- Removed an obsolete function on the DataStore advanced configuration page when datastore type is SECONDARY: Backup Method field

### ***Resolved Defects***

- Fixed a browser-related popup prompting right after reserving a Volume Class on the Volume Class List page.
- Resolved a defect that prevented the installation of a SSL key on a NON SSL BackBox environment.
- Fixed a bug that prevented updating a reserved Volume Class.
- Resolved an issue related to license load function.
- Resolved a defect related to Write/Read Bytes information in the VTC Tape Devices table on the Status for NonStop Node page.
- Fixed an issue that prevented a flawless CATSYNC import process with large amount of volumes.

## Version E4.07 - SEPTEMBER 2018

### Resolved Defects

- Resolved a defect that prevented the import of a volume to a different volume type through the Catalog Sync option. The defect has been fixed and the volume can be now imported to the new specified type.
- Fixed a bug that prevented reversing media type when data replication was running with Catalog Sync Option
- Fixed an issue that didn't allow auto-scan of NSK Tape devices to be working when the NSK system was running under version H06.29.0 with CLIM module attached. The code did not generate SCF command for CLIM scan.
- Fixed an error message generated by cataloged small volume backup load when using iSCSI.
- Fixed an error on the NonStop stating that "the current block size is too short to hold a complete record of data from physical tap volume" when initiating a volumevirtualization/materialization.
- Fixed an issue that prevented to have the message Id number properly saved in the Alert Setup dialog.
- Fixed a bug that shows the string "filger" on the Volume List page of the UI.
- Fixed a Copy Pool Sync bug related to adding a new item with customized script.

### Improvements, Fixes, and New Features

- **BBOX\_COPY\_IOPACING** parameter has been removed from **Advanced Data Store** page for "Copy Pool Sync With Customized Script" when in Edit Mode.
- Any invalid license info will not be accepted or confirmed by the **Load License** page. The **Confirm** button becomes available only if the license info is correct.
- The auto-refresh timer on the **System Status** page allows the following values: 5, 10 or 15 (seconds). The system is refreshed every 5,10 or 15 seconds, depending on the input value.
- iSCSI can be set now as port type for the **Stand Alone Load** option.
- The layout of the iSCSI description page on the VTC Management Console has been improved.
- The virtual VTC serial number is truncated when it's longer than 30 characters.
- New parameter (BB017IGNORECHECKHDR1) has been introduced to bypass the HDR1 checking.
- New feature that allows the H version of BackBox to import a catalog from the files exported by an E version of BackBox; how to migrate a catalog from H to E version.
- BackBox accepts now VLE ONLY or NON-VLE ONLY.
- BackBox uses now OpenSSL version 1.1.0h
- Enhanced behavior to prompt for updating data when create or modify a volume group.

- Clean up files left after uninstall!
- Enhanced the behavior of the Summary page to display refreshed info.
- Improved the behavior of the Data Store page in edit mode when the data store list is long and requires scrolling.
- Edit Mode message has been moved to the left sidebar.
- The SSLCFG file has been updated for new certificate files.
- Fixed a bug that prevented the deletion of an expired volume in DSM/TC.
- The installation macros, such as INSH404, can be run by the SUPER.SUPER account, bypassing the security parameters.
- Fixed a bug that prevented the non SSL programs to be copied in the target sub-vol if the sub-vol was not tagged as **current sub-vol**. The macro output issued a "File not found" error message.
- iSCSI - new option have been implemented for the Virtual NonStop. The iSCSI configuration is done through the VTC MC that displays the available NIC cards as nodes. A maximum of 3 (three) iSCSI devices can be added under each node. The limitation on the number of devices is given by the license in the Domain Manager of the vNSK.
- New Advanced Customized Script option.
- iSCSI - It is now possible to connect a Virtualized NonStop to a physical BackBox when set up with a proper license.
- iSCSI - iSCSI connection can be used in parallel with FC devices (on a physical BackBox).
- FC/iSCSI - Support for LARGEBLOCK mode is now available. The LARGEBLOCK option is by default activated in the BackBox and it does not impact system(s) not using this feature (prior to L17-08).