

BackBox[©] E5.00 QoreStore Update Procedure for BackBox

Abstract

This QoreStore Update Procedure for BackBox document is for BackBox $^{\odot}$ E5.00

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UPDATE QORESTOR AND OS

Use this procedure to update QoreStor for BackBox to the latest QoreStor version (7.4.0.222).

	The update is automatically done for both QoreStor and OS.
_	If the QoreStor server is joined to an active directory, the QoreStor Server will need to leave the Active Directory prior to the OS upgrade. Once upgrade done, the QoreStor server can rejoin the AD. This will need to be done using an account with AD Administrator privilege.
	Temporarily stop the replication either on the source and the target QoreStor servers during the system upgrade.

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Replication will not restart until the replication source and replication target QoreStor servers are of the same version.

Update QoreStor Version Path



	BackBox version 4.13 is a prerequisite for BBOX-QS-7.4.0-OL8-SP1 upgrade. From BackBox 4.13 or BackBox 5.00, you can execute any of the above upgrades.
€	For each BBOX-QS-7.1.0-OL7,BBOX-QS-7.1.2-OL7 or BBOX-QS-7.1.3-OL8 required for update to BBOX-QS-7.4.0-OL8-SP1 , make sure to follow the procedure described in UpdateQSReadmeFirst related to the BBOX-QS installation. Make sure to update the OS when indicated.
	BBOX-QS-7.1.3-OL8 must be applied if the installed QoreStor is at an earlier version than 7.1.3 and Oracle Linux 8.7.
8	When updating BBOX-QS-7.1.3-OL8, you must keep the QoreStor to version 7.1.3 until the migration to OL-8 is completed. Upgrading to another version of QoreStor while at OL 7.x level will break the migration path to OL-8 and a special version will be required. Call ETI-NET support, if the case.

You can upgrade from BBOX-QS-7.1.3-OL8 directly to BBOX-QS-7.4.0-OL8-SP. In this case, the OS will be upgrading first to have the right kernel level and then the upgrade will need to be re-run to get the version 7.4.0 installed. You will need to run twice the update.

QoreStor ISO Update to 7.4.0.222-SP1 and OL 8.9

Package	contains
UPDQS740222-SP1.iso (QoreStor and OS Updater ISO)	

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Upload the ISO File

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To check the current versions of both embedded QoreStor and/or current version of the OS, open the VTC Management Console and click on the System tab under the QoreStor node.

The System tab displays both QoreStor and OS current versions. The tab allows automatic updates of the embedded QoreStor and/or OS for Oracle Linux Server.

	Configuration	n Baland Disasanat
ASTERIX Administrator (Administrator)		Save Reload Disconnect
ASTERIX\Administrator (Administrator) ASTERIX ASTERIX ASTERIX ASTERIX	Qore Stor System BBQS State BBQS Status Current Qore Stor Version Qore Stor State Qore Stor State Qore Stor Status Update	Save Reload Disconnect Running Operating normally 7.2.1.140 Oracle Linux Server release 8.7 Operational Mode Healthy
VTC Emulator (ISCSI)	~	

Before proceeding with the automated update, locate the ISO file necessary for the procedure. The ISO file is delivered with the BabckBox version package and contains the update scripts for both QoreStor and OS.

UPDATE QORESTOR AND OS

Step 1 and 2 are required if only more than one BackBox is configured in the Domain and if the NonStop system needs to have tape operations enabled while performing the upgrade.

- 1. Open BackBox UI and go to VT Controller tab.
- 2. Switch to Edit Mode and disable VTC (in the example below, OBELIX). Save the VT Controller configuration.

BACK <mark>BOX</mark> 。					Ad	ministration			
lackBox E05.00 UI Client Build 7	Domain	NSK Nodec	VT Cont	roller	Key Manager	Data Store	Volume Group		
Configuration	Domain	HOK HOULS	vi com	Toner	KCy Hanager		volume aroup		
Save Cancel	Select, Delete	or Create a VT	Controller						
Storage Admin	W3162 Domain	license will expire	e on 2025-02-25	i.					
Volume EDIT MODE ACTIVE	VT Contro	oller ID	Status	Physica	al Location	TCP/IP Address	Comment		
ou have to dick the Save	GEN8S	RV04	Enabled 💙			192.168.21.42		Advanced	Delete
sutton to commit your changes to the Domain Manager.	BBOX20	19-3	Disabled 🗸			192.168.20.42		Advanced	Delete
						Copyrig	ht ETI-NET, 2003-2	2025	



9. Return to the System tab in the VTC Management Console and click Update.

User ASTERIX\Administrator (Administrator)	Configuration	n Save Reload Disconnect
ASTERIX Services VTC Admin VTC Emulator (FC) VTC Emulator (ISCSI) VTC Asynclog VTC Script Controller VTC Admin VTC Admin VTC Emulator (ISCSI) VTC Emulator (ISCSI) Security	QoreStor System BBQS State BBQS Status Current QoreStor Version Current OS Version QoreStor State QoreStor Status Update	Running Operating normally 7.2.1.140 Oracle Linux Server release 8.7 Operational Mode Healthy

The update can be done only from Oracle Linux Server release 8.x. If you are at versions 7.x, consult the above Update path section. BBOX-QS-7.1.3-OL8) is mandatory.

10. In the dialog window, click on ISO File location browse button to find the ISO file that has been mounted.

 $oldsymbol{\mathbb{C}}$

Mount	Dismount	

11. Select the ISO file (UPDQS740222-SP1.iso) and Open it.

Select Update ISO						×
← → ∽ ↑ 📙 > This PC > Deskto	> T11	37^AAF	ۍ بر 1	Search T1137^/	\AF	Q
Organize 👻 New folder					∎== ▼ □□	?
🖈 Quick access 📃 Desktop	*	Name	Date modified 11/29/2024 2:29 PM	Type Disc Image File	Size 2,124,426 KB	
Downloads Documents Pictures Celerity-8Gb-Fibre-Channel-Driver-V	* * /indi					

12. Once the ISO file is opened in the VTC MC, click Mount.

13. Once the file is mounted, click Next.

In order to u you need to ETINET on t Location of ISO	ipdate Embbe mount the IS the VTC serve File on VTC 0BEI	ded QoreSto O file receive er LX	or ∨M, d from	
C:\Users\Admir	nistrator\Desktop\	T1137^AAF\UP[DQS740;]
	Mount	Dismount		
Previous	Ne	ext		Cancel

14. In the dialog click Complete to start the update process that will be running in the background.

Update QoreStor System	×
Update process will be started after you click "Complete" button. Please be advised that you cannot interrupt the updating process after it start	
Previous	Cancel
A warning message will inform you that the update	process will s

A warning message will inform you that the update process will start after you click Complete. Once the updating process is started, it cannot be interrupted.

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The progress bar will show the status of the update during the process.

Before the update starts, a checkpoint is created in the Hyper-V. It will be used, if needed, to easily rollback, in case of error.

BBOX2019-1\Administrator (Administrator)	Configuratio	Save Reload Disconnect	
■ BBOX2019-1 → Q ⁰ Services → Q ⁰ VTC Admin → Q ⁰ VTC Emulator (FC) → Q ⁰ VTC Emulator (ISCSI) → Q ⁰ VTC Script Controller → Q ⁰ VTC Script Controller → Q ⁰ CoreStor ⊕ → Embedded QS → Q ⁰ Embedded QS → Q ⁰ Embedded QS → Q ⁰ Lognostics (2) → Q ⁰ Loenses (0) → Q ⁰ System	QoreStor System BBQS State BBQS Status Current QoreStor Version QoreStor State QoreStor Status Update	Running Operating normally 7.4.0.222 Oracle Linux Server release 8.9 Operational Mode (Filesystem is fully operational for I/O.) Healthy	
Image: Users Image: Event Forwarder Image: Event Forwarder	Upgraded: qsetinet-1.1-1 Complete! Start QoreStor Se: Complete! Start QoreStor Se: Waiting services : Services started! Update process con Last QoreStor update and	el0.noarch rvices started mplete! commit are successful	^

Once the QoreStor update is completed, QoreStor server will automatically restart.

The updating process might take several minutes. Don't interrupt the process while updating.

If the update fails, an error message will be displayed and the version will be rolled back. For details on update error(s), verify the QSUpdate Log.

15. Once the QoreStor update is successfully completed (see the green message at the bottom on the updating window).

The displayed Current QoreStor Version is now7.4.0.222.



If the OS was not at OL-8.8, the update will complete successfully but the QoreStor version will remain at the previous version but OS will be at OL-8.9 version. This is a normal behavior because the QS version 7.4.0 required kernel version only deploy on OL-8.8 and up. In this case, simply start a second time the Update process and reload the ISO to update the QoreStor.

User ASTERIX\Administrator (Administrator)	Configuratio	Configuration Save Reload Disconnect				
→ Φ ⁰ Services → Φ ⁰ Services → Φ ⁰ Xervices → Φ ⁰ Replication → Φ ⁰ Could Ther	QoreStor System BBQS State BBQS Status Current QoreStor Version Current OS Version QoreStor State QoreStor Status	Running Operating normally 7.2.1.140 Oracle Linux Server release 8.9 Operational Mode Healthy				
- 상 Diagnostics (1) - 상 Licenses (0) - 상 System - 상 Users - 상 Event Forwarder - 상 Cetificates - 상 Settings - 성 Settings - 수 FC - 수 FC	Update kernel-modules- kernel-uek-5.4. perl-Net-SSLeay python3-systemi Completei Update process co	<pre>sxtra-4.10.0-513.24.1.e10_9.x06_64 17-2136.331.7.e10uek.x86_64 552-2.064.xmodule+816.6.0+20623+f0897f98.x86_64 -1.88-2.module+818.6.0+20623+f0897f98.x86_64 -204-0.e18.x86_64 mplete!</pre>	^			
	Last QoreStor update and The server will restart to fin	commit are successful alize the OS update	*			

At the end of the updating process, the System tab will display the QoreStor version updated to.





Verify the update log, located in the VTC Log folder, for more details.

	^			-	<i>c</i> :
Ouick access		Name	Date modified	Type	Size
- Deskton		QSEventsForwarder.log_1.log	12/17/2024 1:45 PM	Text Document	1,602 KB
- Desktop		QSUpdate.log	12/17/2024 1:37 PM	Text Document	20 KB
Uownioads	*	MESMessageLog_1.log	12/17/2024 1:37 PM	Text Document	639 KB
Documents	*	QSEventsForwarder.log_0.log	12/15/2024 7:12 PM	Text Document	2,049 KB
E Pictures	*	QSEventsForwarder.log_4.log	12/13/2024 1:31 PM	Text Document	2,049 KB
Config		QSEventsForwarder.log_3.log	12/11/2024 7:29 AM	Text Document	2,049 KB
System32		FCTCPIPSession_1.log	12/10/2024 9:18 PM	Text Document	0 KB
T1137^AAF		FcLog.log	12/10/2024 9:14 PM	Text Document	879 KB
TSCSITMDW10		QSEventsForwarder.log_2.log	12/9/2024 1:24 AM	Text Document	2,049 KB
10001110		MESMessageLog_0.log	12/5/2024 12:07 PM	Text Document	1,025 KB
This PC		EndOperationLog_1.log	11/27/2024 3:06 PM	Text Document	126 KB
📕 3D Objects	~	ScriptServer log 1 log	11/26/2024 11·14 AM	Text Document	26 KB

16. Restart the replication if it has been stopped.



17. Go to BackBox UI and enable the VTC1 ((in the example below, OBELIX). Save the VT Controller configuration change.

BACK <mark>BOX</mark> .	Administration									
lackBox E05.00 UI Client Build 7								-		
Status	Domain	NSK Nodes	VT Con	troller	Key Manager	Data Store	Volume Group			
Save Cancel	Select, Delete or Create a VT Controller Create VT Controller									
Storage Admin	W3162 Domain license will expire on 2025-02-25.									
Volume DIT MODE ACTIVE	VT Contr	oller ID	Status	Physica	I Location	TCP/IP Address	Comment			
ou have to click the Save	GEN8S	RV04	Enabled 🗸			192.168.21.42		Advanced	Delete	
hanges to the Domain	BBOX2	019-3	Enabled 🗸			192.168.20.42		Advanced	Delete	
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18. Test Backup Process with QoreStor 7.4.0

If the backup is already occurring in the NonStop, go to BackBox UI to check the status of the backup.