Quest® NetVault® Plugin For Bare Metal Recovery ® 14.1

Release Notes

August 2026

These release notes provide information about the Quest® NetVault® Plugin For Bare Metal Recovery ® release.

Topics:

- About this release
- Enhancements
- Resolved Issues
- Known issues
  - Plugin Live Client for Linux
  - Plugin Offline Client for Linux
  - Plugin Live Client for Windows
  - Plugin Offline Client for Windows
  - Server Plugin
- System requirements
- Product licensing
- Upgrade and installation instructions
- More resources
- VaultOS Third Party Contributions
- Globalization
- About us

About this release

NetVault Bare Metal Recovery for NetVault Server 14.1 is a minor release, with enhanced features and functionality. For complete product documentation, visit https://support.quest.com/technical-documents.

Enhancements

The following is the list of enhancements implemented in this release:

- Added support for Windows Server 2022 and 2025 in Plug-in Live Client for Windows.
- Added support for RHEL version 9 and 10 versions of RHEL and its derivatives in Plug-in Live Client for Linux.
- Added Rocky Linux 10 based VaultOS.
- Added support for 4k sector size on disk with partition table (Plug-in side change).

Resolved Issues

The following is the list of issues resolved in this release:

Table 1. Resolved Issues

Resolved Issue	Issue ID
Localization Japanese: In BMR Plug-in on Linux, Backup/Restore options for BMR online on Linux displays garble, while FileSystem Plug-in Backup/Restore options are correctly localized.	NV-4139
Online Linux restore reports post-recovery processing and Recovery error.	NV-4703
Oracle Linux with UEK Book ISO causes Kernel panic.	NV-4741
BMR restore to VMDK image fails with error message, Cannot connect to the host.	NV-5021
BMR Online restore fails on Linux 10 due to egrep issue.	NV-5076
VaultDR Online 14.0.1 fails to restore with VaultOS 14.0.1	NV-5210
Use NetVault Server version 14.1.2 in VaultOS 14.1 ISO	NV-5295

Known issues

The following is a list of issues, including those issues attributed to third-party products, known to exist at the time of release.

Table 2. General known issues

Known issue	Issue ID
BMR does not support handling disk device name variations across source and target systems.	NV-5064
BMR/NDMP-RDA restore fails at job completion in RDA close_device().	NV-5291
When NetVault Bare Metal Recovery for NetVault Server backup jobs have a status of “Waiting for Media” over an extended period, it might cause subsequent jobs to fail. These failures include Index Conflict errors after additional media items are made available to NetVault and multiple previously scheduled jobs are run simultaneously.	DNWC-115 (360)
When backing up CentOS 8.4 (kernel version 4.18.0-305.3.1.el8.x86_64), backup fails with “ERROR: Failed to load bmr kernel-module.”	DNBMR-1273
When nvsnap (NetVault BMR Plug-in Live Client for Linux snapshot) becomes unresponsive due to a space issue on the target media, all future backup jobs fail.	DNBMR-1274

Plugin Live Client for Linux

The following is a list of issues, including issues attributed to third-party products, known to exist at the time of release.

Table 3. General Known Issues

Known issue	Issue ID
Backing up a Red Hat Enterprise Linux (RHEL) 5.1 Client might fail with the following error: `Cannot find the Xen hypervisor file which the system was booted with. Without this, it is not possible to perform a system installation. You should create the file /storix/config/multibootfile with a line specifying the full path to the hypervisor file and recreate the boot media.` **Workaround:** 1 Open **"/boot/grub/grub.conf"**, and find the section from which the machine was booted. It is similar to the following: `kernel /xen.gz-2.6.18-53.el5` 2 Create a file named **"/storix/config/multibootfile"** with a line specifying the full path to the hypervisor file as shown in the following example: `/boot/xen.gz-2.6.18-53.el5`	DNBMR-16 (17294, VLG-110), DNBMR-64 (17342, VLG-156)
After a successful restore, the size of mounted partitions might change and the temporary file systems might be unmounted. Manually mount the temporary filesystem (tmpfs) or edit **"/etc/fstab"** to mount it when the system starts.	DNBMR-24 (17302, VLG-118)
If the SCSI or network devices are not available upon booting from the Storix boot media, it might indicate that your device modules are not included on the boot media or not listed in the master modules file. **Workaround:** To add the missing SCSI and network device modules, perform the following steps on the client on which the boot media is created: 1 To copy the original "bootlist" file to your custom directory, issue the following command: `# cp /opt/storix/config/bootlist_scsi /storix/config/bootlist_scsi` **NOTE:** Use **"bootlist_network"** files when adding an entry for network driver and **"bootlist_scsi"** files when adding an entry for SCSI driver. 2 Open the **"bootlist"** file in the custom directory, and add your SCSI device modules following **#$ SCSI** adapters and network device modules following **"#$ Ethernet Network Adapters**. Use the following format to add the modules: **#MOD:S:module name:description** **Example:** #MOD:S:dc395x_trm:DC-395U SCSI adapter support	DNBMR-39 (17317, VLG-131)
On an Ubuntu client, the Storix maintenance shell does not return the **maint>** prompt after a restore. This issue occurs because **/bin/sh** is linked to **/bin/dash** in Ubuntu. When the restore completes, Storix does a **chroot** to the newly restored root and invokes **/bin/sh**. This shell does not display any prompt.	DNBMR-68 (17346, VLG-161)

The plug-in does not support encrypted partitions. If an encrypted partition is enabled, a backup fails with the following errors:
`Warning: Volume Group VolGroup00 will be ignored because it contains physical volume mapper/luks-bfb0ef38-6066-4d0e-9e15-8c5fbe53ee4f, which is not a supported device type.`
`Error: The / filesystem exists on the system but is not included on the backup because it is in a logical volume you did not select to include. You must include volume group VolGroup00 on a system backup.`
	DNBMR-83 (17361, VLG-175)

Known issue	Issue ID
If you are using Storix, restoring to the same client or a different client of the same disk size—either of which is configured as part of a logical group and volume—causes the following message to appear: `The following non-fatal errors must be corrected before continuing: Disk sdb: This disk is not large enough for the partitions as they are currently defined. You must reduce the space requirements on this disk by at least 7MB by removing the partitions or reducing their sizes.` **Workaround:** To adjust the partition sizes, use the **View/Change Installation Settings** feature in Storix.	
To allow the recovery process to re-create a striped logical volume across multiple disks, manually change the stripe size. 1 From the **Main Menu** in Storix, select **View/Change Installation Settings > Logical Volume Management > Add or Change Logical Volume**. 2 Select the applicable volume, and press **Enter**. 3 Change the **Stripe Size** from **0** to the size that was originally configured. 4 To return to the **Main Menu**, press **F3** on each selection screen.	
Because **Storix SBAdmin** does not support the Dell EqualLogic driver, the plug-in does not support backup jobs sent to Dell EqualLogic devices.	DNBMR-1079, DNBMR-1097 (31073, 32465)
The virtual machine failed to start after a physical-to-virtual (P2V) restore. **Workaround:** Before you take a backup of a physical machine, start and run the command `dracut -f -N` to ensure the recovery process succeeds.	DNBMR-1271
File and folder has been garbled since restore completed	DNBMR-1294

Plugin Offline Client for Linux

The following is a list of issues, including issues attributed to third-party products, known to exist at the time of release.

Table 4. General Known Issues

Known issue	Issue ID
Proprietary driver support: Plug-in *Offline Client*, which is based on Red Hat Enterprise Linux (RHEL) Rescue mode, includes support options that are limited by RHEL. However, you can install drivers on your own RescueCD/RescueUSB device to restore your environment.	DNBMR-620 (17898, VDG-187)
Backing up Dynamic Disks is only supported by using **Disk Raw Mode**.	DNBMR-688 (17966, VDG-252)
Restoring a GPT partition table to a larger disk results in a new partition that is the same size as the original: When a DR image is taken, the partition table is stored with it. At restore time, this partition is written to the new target disk and re-creates the original disk. If you restore to a disk that is larger than the original, the disk is partitioned to match the original size, which can result in unused disk space. For example, if you restore a 100GB image to a 200GB disk, it is partitioned for 100GB and leaves the extra space unused. You can use third-party partitioning tools, such as GNU Parted or PartitionMagic, to correct this issue.	DNBMR-689 (17967, VDG-253)
Restarting a machine that was booted using VaultOS intermittently causes a General Protection Fault. If you restart the machine, it should boot normally.	DNBMR-948 (24236)
The plug-in does not support backup and restore jobs that use NetVault SmartDisk as a target.	DNBMR-1015
The progress of a backup or restore job is intermittently not displayed in some pages of the NetVault Backup web-based user interface (WebUI).	DNBMR-1095
The plug-in does not support RAS devices, including SmartDisk, QoreStor, and DR, as targets.	DNBMR-1218

Plugin Live Client for Windows

The following is a list of issues, including issues attributed to third-party products, known to exist at the time of release.

Table 5. General Known Issues

Known issue	Issue ID
Unsupported Windows features: The plug-in does not support the following features: • Fat32 partitions • Dynamic Disks	DNBMR-298 (17576, VWG-45), DNBMR-308 (17586, VWG-55)
If you are protecting a Windows Server 2012 that uses NTFS and ReFS volumes, the plug-in only creates snapshots of NTFS volumes. The plug-in does not currently create snapshots of the ReFS volumes.	DNBMR-924 (23039)

Plugin Offline Client for Windows

The following is a list of issues, including issues attributed to third-party products, known to exist at the time of release.

Table 6. General Known Issues

Known issue	Issue ID
Backing up Dynamic Disks is only supported through **Disk Raw Mode**.	DNBMR-688 (17966, VDG-252)
Restoring a GPT partition table to a larger disk results in a new partition that is the same size as the original: When a DR image is taken, the partition table is stored with it. At restore time, this partition is written to the new target disk and re-creates the original disk. If you restore to a disk that is larger than the original, the disk is partitioned to match the original size, which can result in unused disk space. For example, if you restore a 100GB image to a 200GB disk, it is partitioned for 100GB and leaves the extra space unused. You can use third-party partitioning tools, such as GNU Parted or PartitionMagic, to correct this issue.	DNBMR-689 (17967, VDG-253)
Using the plug-in with NetVault Bare Metal Recovery for NetVault Server 10.x: To complete a restore job in which the target contains a Unified Extensible Firmware Interface (UEFI) partition, use a blank disk. Windows PE does not include a tool that can be used to unmount the UEFI partition so that it can be overwritten during the restore; this issue causes restores to fail. **Workaround:** Use NetVault Bare Metal Recovery for NetVault Server 11.x or later.	DNBMR-958 (26597)
Performing restores of Raw format disks does not work. **Workaround:** Use **diskpart.exe** to render the disk blank before beginning the restore and recovery process.	DNBMR-1205

Server Plugin

The following is a list of issues, including issues attributed to third-party products, known to exist at the time of release.

Table 7. General Known Issues

Known issue	Issue ID
Cannot restore Virtual Machine Disk (VMDK) Images concurrently.	DNBMR-523 (17801, VOG-95)
Cannot restore a VMDK Image to a shared network drive.	DNBMR-524 (17802, VOG-96)
The plug-in does not support Plug-in *Offline Client* for Linux backup and restore jobs that use NetVault SmartDisk as a target.	DNBMR-1015, DNBMR-1096 (28860, 32464)
The plug-in does not support Plug-in *Offline Client* for Linux backup and restore jobs that use QoreStor or DR as a target.	DNBMR-1218
VMDK restore job to remote ESXi 6.5 fails with error “Failed to clone remote VMDK disk.”	DNBMR-1225
NetVault Bare Metal Recovery Plug-in fails to boot the Linux system (UEFI Secure Boot enabled) with the VaultOS ISO displaying the error “/isolinux/voskernel has invalid signature.”	DNBMR-1244

System requirements

Before installing NetVault Bare Metal Recovery for NetVault Server 14.1, ensure that your system meets the requirements outlined in the *Quest NetVault Compatibility Guide* available at https://support.quest.com/technical-documents.

Upgrade and compatibility

- NetVault Bare Metal Recovery for NetVault Server is available as a separate download and is a specially-packaged version of NetVault Bare Metal Recovery that provides offline, bare metal protection for NetVault Servers running on x86/x86-64-based operating systems that use locally-attached tape-based devices. The Bare Metal Recovery image of the NetVault Server is taken by a LiveCD that is preloaded with a NetVault Server, the NetVault Bare Metal Recovery Plug-in *Server*, and the drdaemon process. The Bare Metal Recovery image can then be transferred to a direct-attached tape-based library or standalone tape drive for recovery in case disaster recovery is required.
- The preloaded NetVault Server uses NetVault 14.1.2.23 However, this preloaded version of the NetVault Server can protect and recover NetVault Servers and Heterogeneous Clients running NetVault 14.0 and later.

Product licensing

To obtain the license file for your NetVault Server environment, determine the NetVault Machine ID of your main NetVault Server. Also identify the machine IDs of any clients running application plug-ins, such as Oracle, MySQL, PostgreSQL, SQL Server, and Exchange.

You can use the License Management page to install the product license files.

- Obtaining a machine ID
- Installing a license file

Obtaining a machine ID

1. Start the NetVault WebUI.
2. In the Navigation pane, click **License Management**.
3. In the **Clients Details** list, note the machine ID for the applicable Server or Client entry.

Installing a license file

1. In the **Navigation** pane, click **License Management**.
2. On the **License Management** page, click **Install License**.

   Because the NetVault WebUI is tied to a specific NetVault Server and all licenses are installed on the NetVault Server, the program automatically installs the license on the correct machine.
3. In the **Choose License File/s** dialog box, click **Select a file**, point to the **".dlv"** file that contains the license key, and click **Open**.
4. In the dialog box, click **OK** to apply the selected license file.

   After the key is applied successfully, a message is displayed.
5. To dismiss the message, click **X**.

Upgrade and installation instructions

For upgrade and installation instructions, refer NetVault Bare Metal Recovery Plug-ins User Guide.

More resources

Additional information is available from the following:

- Online product documentation
- NetVault community

VaultOS Third Party Contributions

Source code is available for this component on https://opensource.quest.com.

Quest ships the source code to this component for a modest fee in response to a request emailed to legal@quest.com.

This product contains the following third-party components. For third-party license information, go to https://www.quest.com/legal/license-agreements.aspx. Source code for components marked with an asterisk (*) is available at https://opensource.quest.com.

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