Release Notes

Release	4.4
Supported Product	Quantum Vision
Date	December 2016

Contents

Vision 4.4 Release Notes

Along with addressing various bug fixes, Vision 4.4 offers the following new functionality.

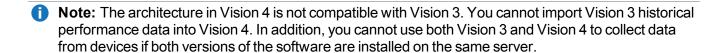## Additional Quantum Product Support

Vision 4.4 now supports the following Quantum products:

- Multiple DXi disk backup systems
- Q-Cloud Protect
- Scalar libraries, including Scalar i3 and Scalar i6
- Scalar LTFS
- vmPRO 4000 and vmPRO software

Product Features and OS Support

Vision 4.4 now supports the following additional features and operating systems:

- Access control features in DXi 3.2 and later and Q-Cloud Protect
- ESXi 6 servers
- Windows Server 2016 Standard 64-bit
- Red Hat Enterprise Linux 6 64-bit
- Red Hat Enterprise Linus 7 64-bit
- SUSE Linux Enterprise 11 Service Pack 3
- SUSE Linux Enterprise 11 Service Pack 4

> **ℹ Note:** The architecture in Vision 4 is not compatible with Vision 3. You cannot import Vision 3 historical performance data into Vision 4. In addition, you cannot use both Vision 3 and Vision 4 to collect data from devices if both versions of the software are installed on the same server.

Vision Requirements

Vision supports installation and operation on both physical servers and virtual machines (VMs) functioning as servers. To properly install and use Vision on a physical or VM server, ensure the following requirements are met.

Server Requirements

Make sure that the Vision server, which hosts Vision software, meets the requirements outlined below.

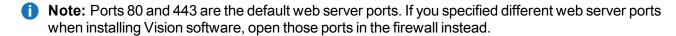| Server Component	System Requirement
Processor	• Intel or AMD server class processor • 2 CPUs for up to 50 devices • 4 CPUs for more than 50 devices
Memory	• 4 GB for monitoring up to 50 devices • 8 GB for monitoring more than 50 devices
Available Disk Space	• 200 GB for monitoring up to 50 devices • 400 GB for monitoring more than 50 devices
Operating System	One of the following operating systems: • Windows Server 2003 32-bit • Windows Server 2003 R2 64-bit • Windows Server 2008 32-bit • Windows Server 2008 R2 64-bit • Windows Server 2012 Standard 64-bit • Windows Server 2016 Standard 64-bit • Red Hat Enterprise Linux 5 32-bit • Red Hat Enterprise Linux 5 64-bit • Red Hat Enterprise Linux 6 64-bit • Red Hat Enterprise Linus 7 64-bit • SUSE Linux Enterprise 11 Service Pack 3 • SUSE Linux Enterprise 11 Service Pack 4
Virtual Appliance	• Server system with at least an i7 quad-core Intel processor (or AMD equivalent) • 2 virtual CPUs for up to 50 devices • 4 virtual CPUs for more than 50 devices • At least one IP address available for use by the Vision appliance • One or more ESX4, ESXi4, ESXi5, or ESXi 6 servers • Same memory requirements as that of a physical server installation
Additional Software	(Windows only) Microsoft .NET Framework 2.0 or higher

Server Port Requirements

Before using Vision, you need to open and enable specific firewall ports on the Vision server.

For Vision to operate correctly, open the following firewall ports:

- Port 80 - Web server (http)

- Port 443 - Web server (https)

- Port 162 - SNMP

To enable monitoring of storage devices, open the following firewall ports to outgoing traffic:

- Port 80 - Web server (http)

- Port 443 - Web server (https)

- Port 22 - SSH

ⓘ Note: Ports 80 and 443 are the default web server ports. If you specified different web server ports when installing Vision software, open those ports in the firewall instead.

Browser Requirements

Before running Vision software on your system, review following browser requirements:

- Vision 4 is designed to run in any modern Web browser that supports the Adobe Flash Player plug-in.

- Vision 4.3.5 and later requires Adobe Flash Player version 11.4 or higher. Web browser software is not included with Vision. You must obtain and install it separately. To download and install Flash Player, go to http://www.adobe.com.

- Vision does not support the 64-bit version of the Flash Player plug-in on Linux. Instead, use the 32-bit Flash Player plug-in and a 32-bit browser. For 64-bit Linux, the Chrome browser and its built in pepper flash player are compatible with Vision.

Supported Storage Device Requirements

To discover and monitor a Quantum backup system in Vision, the system must be a Quantum-supported device. Vision supports the following devices:

DXi Devices	Scalar Devices	Virtual Devices
• DXi8500 disk backup system • DXi7500 disk backup system • DXi6000 series (DXi6500, DXi6700, DXi6800, DXi6900, and DXi6900-S) disk backup systems • DXi4000 series (DXi4500, DXi4600, DXi4700) disk backup systems	• Scalar i6000 library • Scalar i2000 library • Scalar i500 library • Scalar i80 library • Scalar i40 library • Scalar LTFS • Scalar i3 library • Scalar i6 library	• Q-Cloud Protect • DXi V-Series (DXi V1000, DXi V2000, and DXi V4000) virtual backup systems • vmPRO 4000 (software/hardware backup solution) • vmPRO virtual backup system

Q-Cloud Protect and DXi Requirements

Review the following special requirements for Q-Cloud Protect and DXi 6900.

VPC-Private Network Connection for Q-Cloud Protect

If you are using Vision to monitor Q-Cloud Protect, you *must* configure the network connection between your Q-Cloud Protect instances, your on-site DXi appliances, and your Vision server within the same VPC-private network.

Access Control

For Vision to gather replication data for Q-Cloud Protect appliances or DXi devices running software versions 3.2 or later, it needs to identify itself through an SSH key pair.

Vision generates this key pair. The private key is Vision's secure identifier. The public key is shared with the Q-Cloud Protect appliance or DXi device. Vision has authorization to gather replication data only when the private and public keys match.

Resolved Issues

The following issues have been resolved in Vision 4.4.

ID	Description
56159	The **Update Replication** button (accessed on the **Replication Report**) does not force updating.
56156	In DXi 3.2 and newer, the **cliadmin** user's password can be changed from the default of **cliadmin**. If a user changes this password from the default, Vision cannot communicate with the DXi through SSH or syscli.
49836	The **DXi Accent** graph in Vision Analytics does not show data in the vertical-stacked view mode.
48878	From the **Analytics Console**, the Device type\group filtering stops working after switching groups. Any switch between the **Device Set**, **Device Group**, or **Red** or **Yellow Status** displays all devices or groups available in Vision.
41642	The **Media Console** does not report EDLM scan results for i500 tape.
49172	In the **Alert** pane of a Vision device console, acknowledged alerts can still appear in the **Unacknowledged** filter view.
38291	The **Tape Alert By Drive and Media** stacked view does not display the name for the library missing data.

ID	Description
38295	Values that are less than 1 should not be valid in the **Duration** field of the **Reporting Console**.
38296	Devices with a **Red** or **Yellow** status are not displayed in the **Analytics Console** after using bread crumbs.
38299	Tooltips are not displayed on the **Replication Status** graph of the **Analytics Console**.

Known Issues

This topic presents known issues within Quantum Vision 4.4.

ID	Description
60735	The Vision Topology Console does not recognize source-to-target replication relationships if devices are configured with hostnames rather than IP addresses. **Workaround** Vision uses DXi and Q-Cloud Protect IP addresses — rather than hostnames — to determine replication relationships. It does not recognize replication relationships if the DXi or Q-Cloud Protect IP address is not supplied. Make sure to configure your DXi and Q-Cloud Protect replication relationships using the IP addresses rather than hostnames.
51086	Unable to modify the **Alert Management** policy to disable/delete email notifications. **Workaround** Delete the alert rule and re-create it.
50925	When a library or drive fails to fully load media because of the drive/media combination, Vision cannot determine the serial number and manufacturer of the media. Instead it displays indecipherable characters. **Workaround** See the Scalar device for its serial number and manufacturer information.
48816	When you select a report in the **Reporting Console** by double-clicking on it, the report does not display. **Workaround** Double-click the report again, and repeat until the report displays.

ID	Description
42660	From the **Media Console** if you filter using **Tape Type > Cleaning**, Vision displays misleading information in the **Attribute** culumn for some i500 Scalars. **Workaround** For i500 cleaning tapes, filter on the unique barcode assigned to this media type. Keep in mind that Vision supports wildcard searches for barcodes.
40083	The **Scalar Device Console** incorrectly reports that drives have been removed from the library. **Workaround** Use the native management interface for the Scalar library to see the correct information.
38755	The **Alert Ack History** report is displaying incorrect alerts for **SNMP/After Reduction/Space Reclamation** alert types. **Workaround** To view correct alerts, do one of the following: • Display the device in question on its individual device console. • Display **Acknowledged** alerts on the **Alerts** pane of the **Devices Console**
38764	The **DXi Capacity Growth Snapshot** graph is corrupted when parameters on the Series are changed. **Workaround** If the display becomes corrupted when viewing the **DXi Capacity Growth Snapshot** report as a bar chart, select the **Column** chart view.
38435	In the **Analytics Console**, non-zero counts disappear if you deselect the **Show Zero Count** check box. **Workaround** Leave the **Show Zero Count** check box selected.
38406 49952	Some classic reports do not report until a device status update occurs or until a Console visit is made. **Workaround** Do one of the following: • Wait for status updates. • Navigate to the device console(s) for the device(s) for which you would like a report. Return to the **Reporting Console** and update the report.

Quantum Support

For further assistance, or if training is desired, contact Quantum at the following numbers:

Region	Support Contact
North America	1-800-284-5101 (toll free)
	+1-720-249-5700
EMEA	+800-7826-8888 (toll free)
	+49 6131 324 185
Asia Pacific	+800-7826-8887 (toll free)
	+603-7953-3010

For worldwide support:

http://www.quantum.com/serviceandsupport/get-help/index.aspx#contact-support