



# Release Notes

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<b>Release</b>	4.3.5
<b>Supported Product</b>	Quantum® Vision™ and Vision for Mobile Clients
<b>Date</b>	June 2016

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# Purpose of This Release

Quantum Vision 4.3.5 fixes the upgrade issue that systems without Internet access were experiencing. In addition, this release provides bug fixes to enhance the functionality and stability of Vision, and it ensures usage of the most recent encryption updates available with the latest web browser releases.

**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.

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# Vision Requirements

To properly install and use Vision, ensure the following server requirements, server port requirements, browser requirements, and supported storage device requirements are met.

For detailed instructions on installing or upgrading Quantum Vision, see the *Vision Quick Start Guide*.

## Server Requirements

Vision software runs on the Vision server. Before installing Vision software, make sure the Vision server meets the requirements outlined below.

**i Note:** Vision supports installation and operation on a virtual machine (VM) if all other system requirements are met.

Server Component	System Requirement
<b>Processor</b>	<ul style="list-style-type: none"><li>• Intel or AMD server class processor</li><li>• 2 CPUs for up to 50 devices</li><li>• 4 CPUs for more than 50 devices</li></ul>
<b>Memory</b>	<ul style="list-style-type: none"><li>• 4 GB for monitoring up to 50 devices</li><li>• 8 GB for monitoring more than 50 devices</li></ul>
<b>Available Disk Space</b>	<ul style="list-style-type: none"><li>• 200 GB for monitoring up to 50 devices</li><li>• 400 GB for monitoring more than 50 devices</li></ul>

Server Component	System Requirement
<b>Operating System</b>	<p>One of the following operating systems:</p> <ul style="list-style-type: none"> <li>• Windows Server 2003 32-bit</li> <li>• Windows Server 2003 R2 64-bit</li> <li>• Windows Server 2008 32-bit</li> <li>• Windows Server 2008 R2 64-bit</li> <li>• Windows Server 2012 Standard 64-bit</li> <li>• Red Hat Enterprise Linux 5 32-bit</li> <li>• Red Hat Enterprise Linux 5 64-bit</li> </ul>
<b>Virtual Appliance</b>	<ul style="list-style-type: none"> <li>• Server system with at least an i7 quad-core Intel processor (or AMD equivalent)</li> <li>• 2 virtual CPUs for up to 50 devices</li> <li>• 4 virtual CPUs for more than 50 devices</li> <li>• At least one IP address available for use by the Vision appliance</li> <li>• One or more ESX4, ESXi4, or ESXi5 servers</li> <li>• Same memory requirements as that of a physical server installation</li> </ul>
<b>Additional Software</b>	(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 correct operation of Vision, you must open specific firewall ports:

- Port 80 - Web server (http)
- Port 443 - Web server (https)
- Port 162 - SNMP

### To enable monitoring of storage devices, you must set up specific firewall ports to allow outgoing traffic:

- Port 80 - Web server (http)
- Port 443 - Web server (https)
- Port 22 - SSH

**i 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, make sure that browser requirements are met.

- Vision 4 is designed to run in any modern Web browser that supports the Adobe Flash Player plug-in.
- Vision 4.3.5 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 Supported Devices	Scalar Supported Devices	vmPRO Supported Devices
<ul style="list-style-type: none"> <li>• DXi8500 disk backup system</li> <li>• DXi7500 disk backup system</li> <li>• DXi6000 series (DXi6500, DXi6700, DXi6800, DXi6900) disk backup systems</li> <li>• DXi4000 series (DXi4500, DXi4600, DXi4700) disk backup systems</li> <li>• DXi3500 disk backup systems</li> <li>• DXi2500-D disk backup system</li> <li>• DXi V-Series (DXi V1000 and DXi V4000) virtual backup systems</li> </ul>	<ul style="list-style-type: none"> <li>• Scalar i6000 library</li> <li>• Scalar i2000 library</li> <li>• Scalar i500 library</li> <li>• Scalar i80 library</li> <li>• Scalar i40 library</li> <li>• Scalar LTFS</li> </ul>	<ul style="list-style-type: none"> <li>• vmPRO 4000 (software/hardware backup solution)</li> <li>• vmPRO virtual backup system</li> </ul>

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## Resolved Issues

This topic addresses issues resolved in the following Vision releases:

### Vision 4.3.5

The following table lists issues that were resolved in Quantum Vision 4.3.5.

ID	Description
60000	Vision 4.3.4, whether newly installed or upgraded to from an earlier version, will not start correctly if the system on which it is installed cannot reach <a href="http://java.sun.com">http://java.sun.com</a> for any reason.
<p><b>Example</b></p> <p>After upgrading to Vision 4.3.4, you try to access the Vision UI from your browser, but you receive a 503 error from the Web server.</p> <p>Upgrade to Vision 4.3.5 to resolve this issue.</p>	

### Additional Upgrade Information

If after upgrading to Vision 4.3.5 from Vision 4.3.4, you receive the **Invalid username / password!** error upon trying to log in to the Vision UI, do the following to resolve the issue:

1. Uninstall Vision.
2. Perform a fresh install of Vision 4.3.5.

## Vision 4.3.4

The following table lists issues that were resolved in Quantum Vision 4.3.4.

ID	Description
56966	A Java process may consume 100% of CPU resources under rare circumstances in Vision 4.3.3.
56777	Internet Explorer 10 or newer, Firefox 39 or newer, or Chrome 43 cannot establish an https connection with Vision.
56125	Vision 4.3.3 is unable to retrieve Replication reports from DXi 3.x systems and newer.

# Known Issues

This topic presents known issues within Quantum Vision 4.3.5 and Vision for iPhone 1.1.

## Vision 4.3.5

The following table lists known issues for Vision 4.3.5.

ID	Description	Workaround
56156	In DXi 3.2 and newer, the <b>cliadmin</b> user's password can be changed from the default of <b>cliadmin</b> . If a user changes this password from the default, Vision cannot communicate with the DXi through SSH or syscli.	On the DXi system, change the <b>cliadmin</b> user's password back to the default of <b>cliadmin</b> . This change allows Vision to communicate with the DXi.
51086	Unable to modify the <b>Alert Management</b> policy to disable/delete email notifications.	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.	See the Scalar device for its serial number and manufacturer information.
49386	The <b>DXi Accent</b> graph in Vision Analytics does not show data in the vertical-stacked view mode.	Use the default view mode (horizontal-stacked) when viewing analytics for DXi servers with Accent enabled and configured.
48878	From the <b>Analytics Console</b> , the Device type\group filtering stops working after switching groups. Any switch between the <b>Device Set</b> , <b>Device Group</b> , or <b>Red</b> or <b>Yellow Status</b> displays all devices or groups available in Vision.	If you use a filter during device selection and the correct set of devices is not being displayed, do the following: <ol style="list-style-type: none"> <li>Return to the <b>Analytics</b> bread crumb.</li> <li>Select a device type.</li> <li>Select the <b>Device Set</b> filter.</li> <li>Select the check boxes next to the specific devices to display.</li> </ol>
48816	When you select a report in the <b>Reporting Console</b> by double-clicking on it, the report does not display.	Double-click the report again, and repeat until the report displays.
41642	The <b>Media Console</b> does not report EDLM scan results for i500 tape.	EDLM scan data is not available on the i500. To see this information, access the device's native management interface.
42660	From the <b>Media Console</b> if you filter using <b>Tape Type &gt; Cleaning</b> , Vision displays misleading information in the <b>Attribute</b> column for some i500 Scalars.	For i500 cleaning tapes, filter on the unique barcode assigned to this media type. Keep in mind that Vision supports wildcard searches for barcodes.

ID	Description	Workaround
49191	The <b>Update Replication</b> button (accessed on the <b>Replication Report</b> ) does not force updating.	After clicking <b>Update Replication</b> , select a different replication report from the menu. Then reselect your initial report. The Replication Report eventually updates the displayed information.
49172	In the <b>Alert</b> pane of a Vision device console, acknowledged alerts can still appear in the <b>Unacknowledged</b> filter view.	This issue resolves itself after several minutes, displaying only unacknowledged alerts in the <b>Unacknowledged</b> filter view.
40083	The <b>Scalar Device Console</b> incorrectly reports that drives have been removed from the library.	Use the native management interface for the Scalar library to see the correct information.
38755	The <b>Alert Ack History</b> report is displaying incorrect alerts for <b>SNMP/After Reduction/Space Reclamation</b> alert types.	To view correct alerts, do one of the following: <ul style="list-style-type: none"> <li>• Display the device in question on its individual device console.</li> <li>• Display <b>Acknowledged</b> alerts on the <b>Alerts</b> pane of the <b>Devices Console</b></li> </ul>
38764	The <b>DXi Capacity Growth Snapshot</b> graph is corrupted when parameters on the Series are changed.	If the display becomes corrupted when viewing the <b>DXi Capacity Growth Snapshot</b> report as a bar chart, select the <b>Column</b> chart view.
38435	In the <b>Analytics Console</b> , non-zero counts disappear if you deselect the <b>Show Zero Count</b> check box.	Leave the <b>Show Zero Count</b> check box selected.
38406 49952	Some classic reports do not report until a device status update occurs or until a Console visit is made.	Do one of the following: <ul style="list-style-type: none"> <li>• Wait for status updates.</li> <li>• Navigate to the device console(s) for the device(s) for which you would like a report. Return to the <b>Reporting Console</b> and update the report.</li> </ul>
38291	The <b>Tape Alert By Drive and Media</b> stacked view does not display the name for the library missing data.	Change from the stacked view to the normal view.
38295	Values that are less than 1 should not be valid in the <b>Duration</b> field of the <b>Reporting Console</b> .	Do not enter a value of less than 1 in the <b>Duration</b> field.
38296	Devices with a <b>Red</b> or <b>Yellow</b> status are not displayed in the <b>Analytics Console</b> after using bread crumbs.	To refresh the device list, click a different group selection, such as <b>(All Devices)</b> . Then re-click the group selection you want to view.

ID	Description	Workaround
38299	Tooltips are not displayed on the <b>Replication Status</b> graph of the <b>Analytics Console</b> .	When you mouse over one of the columns ( <b>Success</b> , <b>Partial</b> , <b>Failure</b> , <b>In Progress</b> , or <b>Queued</b> ), the cursor changes from a pointer to a hand. When it changes to a hand, click the mouse.

## Vision for iPhone 1.1

The following table lists known issues for Vision for iPhone 1.1.

ID	Description	Workaround
33932	When viewing a RAS ticket for a Scalar i6000 library, the date of the ticket is displayed incorrectly. (The date is displayed in GMT rather than local time.)	View the RAS ticket using the native management interface of the Scalar i6000.

# Quantum Support

More information about this product is available on the Service and Support website at <http://www.quantum.com/serviceandsupport/index.aspx>. The Service and Support Website contains a collection of information, including answers to frequently asked questions (FAQs). You can also access software, firmware, and drivers through this site.

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/index.aspx>



## Documentation

The following documentation is available for Quantum Vision. In addition, you can access the Vision Online Help by clicking **Help** on the Vision window.

Document Number	Document Title
6-66527	<i>Quantum Vision User's Guide</i>
6-66528	<i>Quantum Vision Quick Start Guide</i>