



User Manual

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1 Introduction

Enterprise System Manager allows you to:

- Maximize uptime of your exacqVision Enterprise servers with constant server health monitoring. Receive email notifications or use ESM's browser-based dashboard to receive immediate notification of system errors and warnings.
- Instantly assess all exacqVision Enterprise servers from anywhere using the intuitive dashboard to visually confirm their health from a PC browser, tablet or smart phone.
- Automatically send highly flexible email notifications regarding errors and warnings such as VMS recorder offline, storage warnings, drive failures, temperature alarms, or disconnected cameras. Allow individual users or groups of users to be e-mailed real-time or periodically for over 25 user-selectable errors and warnings.
- Reduce software maintenance time with scheduled software updates. Quickly schedule hundreds or thousands of servers to receive the latest exacqVision features.
- Monitor camera health and events to confirm camera uptime and proper positioning.



2 Hardware/Software Requirements

MINIMUM SERVER REQUIREMENTS (less than 50 servers, up to five simultaneous client connections)

Processor: Intel i3-4100 or better

RAM: 8GB

Hard drive: 100GB SSD

Network: 25 Kbps per server, plus 512 Kbps per simultaneous client connection

Operating system: Windows Server 2008 R2 or Windows 7

RECOMMENDED SERVER REQUIREMENTS (500 or more servers, up to 25 simultaneous client connections)

Processor: Intel E3-1275 Xeon or better

RAM: 16GB (32GB for over 1,000 servers)

Hard drive: 250GB SSD

Network: 50 Kbps average, 1 Mbps peak per video

Operating system: Windows Server 2012 or Windows 8

Email host: SMTP email server

PC CLIENT MINIMUM REQUIREMENTS

Processor: Intel Atom Z3470 or better

RAM: 1GB

Network: 512 Kbps

Browser: Internet Explorer 9, Chrome 31, Safari 7, Mozilla Firefox 25

PORTS

Connection to exacqVision servers: port 22609*

Web Service running on exacqVision servers: port 80*

*RELATED KNOWLEDGE BASE ARTICLES:

How do I change the listen port for exacqVision Server in Windows 7?

<https://exacq.com/kb/?kbid=32907>

How do I change the listen port for exacqVision Server in Ubuntu Linux?

<https://exacq.com/kb/?kbid=59098>

How do I change the port of my Web Server in Windows 7?

<https://exacq.com/kb/?kbid=56365>

How do I change the port of my Web Server in Ubuntu Linux?

<https://exacq.com/kb/?kbid=50095>

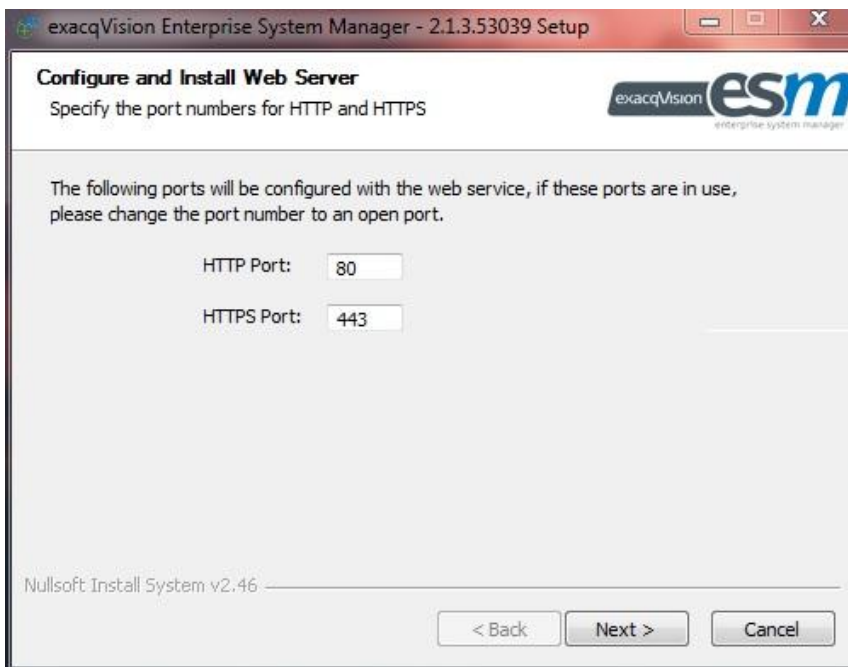
3 Installation

PRE-INSTALLATION NOTES:

- ESM can be installed on a Linux or Windows platform.
- You must have administrator privileges for Windows installation, or root access for Linux installations.
- Several steps require several minutes for the installation package to complete. This is a normal part of the process.
- Select the default database option unless you have an existing database that you want to use. In that case, the installer will use the credentials for the database; you do not need to manually export and import the schema.

To install Enterprise System Manager, complete the following steps:

1. Run the EXE file and follow the onscreen prompts.
2. Enter an HTTP and HTTPS port. If a selected port is in use, you must select an unused port before you are allowed to continue.



3. When the database types appear, select the type as follows:
 - **Postgre** (most simple choice for those with no existing database or database experience)
 - **Microsoft SQL** (to connect to an existing Microsoft SQL database)
 - **MySQL** (to connect to an existing MySQL database)
4. Configure the ESM database connection to match your database. If ESM and the database are located on the same server, enter 127.0.0.1 as the hostname, as shown in the following example. You cannot advance past this step without valid credentials.

The screenshot shows a Windows-style dialog box titled "exacqVision Enterprise System Manager - 2.0.1.52742 Setup". The main heading is "Configure MySQL Database Connection". Below the heading is a sub-instruction: "Specify details regarding the MySQL database to be accessed." The dialog contains several input fields: "Hostname:" with the value "127.0.0.1", "Port:" with the value "3306", "Database Name:" with the value "exacqESM 1", "Username:" with the value "root", and "Password:" which is masked with a series of dots. At the bottom of the dialog, there are three buttons: "< Back", "Next >", and "Cancel". The "Next >" button is highlighted in blue. In the bottom left corner, there is a small text label "Nullsoft Install System v2.46".

5. Select Perform Migration only if updating from a **legacy version** (ExacqVision Enterprise Health Manager). ESM will migrate the servers monitored by the legacy software, and it will not prompt for legacy database credentials if the ESM installation is on the same computer as the legacy installation.
6. Save the SQL file of the database if desired.
7. Complete the installation process to launch a browser and connect to ESM.

POST-INSTALLATION NOTES:

- If you connect to ESM from a browser on a separate computer, you must use the IP address of the computer on which you installed ESM.
- The default admin username and password are **admin** and **admin256**. It is highly recommended that you change the admin password.
- To license the ESM installation, see the Options section of this manual.



4 Add a Server

To add an exacqVision server for ESM to monitor, complete the following steps:

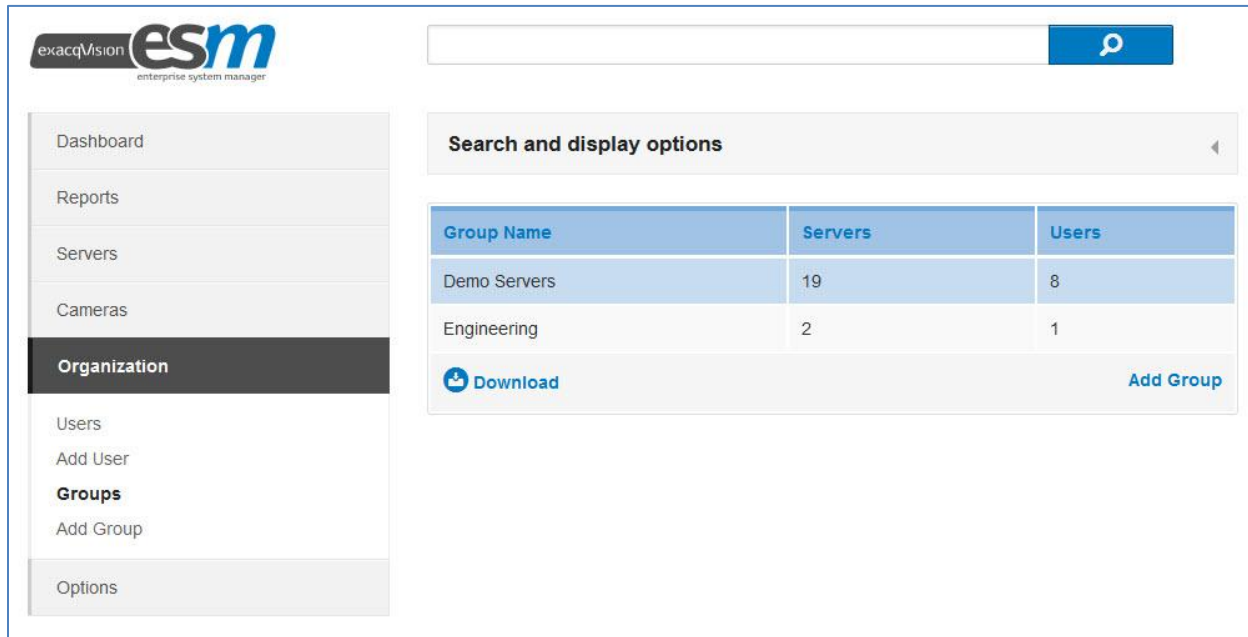
NOTE: An exacqVision Server must have a valid and current Enterprise license to be monitored by ESM. You can find an exacqVision system's license information by opening its System page on the Config (Setup) page.

1. Select Servers from the menu and then Add Server from the sub-menu.
2. Enter all the information about the video server. Every server must be part of a group; the default group is shown in the Group drop-down list.
3. Select Browse to load a picture of the video server for easy identification among many servers in the install location.
4. In the Additional Data field, enter other optional information about the server that can assist an ESM user.
5. Click Add One Server to complete the configuration, or click Add Another Server to repeat these steps for another server.
6. All cameras and events associated with the added servers are then displayed in the ESM dashboard (not shown; see Dashboard section for details).

The screenshot shows the 'exacqVision' web interface. On the left is a navigation menu with 'Dashboard', 'Reports', 'Servers' (highlighted), 'List', 'Add Server' (pointed to by callout 1), 'Schedule Updates', 'Cameras', 'Organization', and 'Options'. The main area is titled 'Add Server' (pointed to by callout 2). It contains several input fields: 'Address' (with a hint 'IP address or name e.g. 192.168.1.1 or ev'), 'Port' (with '22609' entered), 'User name' (with 'admin' entered), 'Password' (masked with dots), 'Web server address' (with the same hint), 'Web server user name', 'Web server password', and a 'Group' dropdown menu (set to 'Demo Servers'). To the right of these fields is a 'Server image' section with a 'Browse' button (pointed to by callout 3) and the text 'No file selected.'. Below that is a 'Delete' checkbox and an 'Additional data' text area (pointed to by callout 4). At the bottom right are two buttons: 'Add Another Server' and 'Add One Server' (pointed to by callout 5).

5 Organization

The Organization menu allows you to configure users and server groups, which consist of monitored systems with identical settings of monitored features. All servers must be part of a group, and all monitored events apply to all servers in the group. The Groups page lists all groups, along with the number of servers and users associated with the groups.



exacqVision **esm**
enterprise system manager

Dashboard
Reports
Servers
Cameras
Organization
Users
Add User
Groups
Add Group
Options

Search and display options

Group Name	Servers	Users
Demo Servers	19	8
Engineering	2	1

[Download](#) [Add Group](#)

To add a group, select all the types of camera and server events to log, along with the number of days to store the events before automatically deleting them. Every server is associated with one group.

exacqVision

Dashboard

Reports

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Options

Add Group

Group name:

Camera events to log to database:

☒ Video loss

☐ Video motion

☒ Camera disconnected

Server events to log to database:

☐ Archive task alarm

☐ Update Failure

☒ Storage alarm

☐ Fanspeed sensor alarm

☐ Update Success

☒ Server license error

☒ DVR board failure

☒ Server license warning

☒ Update Installing

☒ Soft trigger

☒ Server disconnected

☒ Fan alarm

☒ Input trigger

☒ Storage hardware alarm

☒ Update Downloading

☐ Voltage sensor alarm

☐ Temperature sensor alarm

☒ DVR board temperature

☐ Archive alarm

☒ Login Failure

☒ Update Pending

☐ Button press

☒ Core throttling

Days to retain events:

30

Add Another Group

Add One Group

NOTE: For information about each type of monitored event, see the Reports section of this manual.

Select a group to view details and perform the following actions:

1. **Import server lists from exacqVision Client.** Export the list from the Add Systems page in exacqVision Client and then import it into ESM by clicking Browse in the Bulk Add Servers section.
2. **Export the group server list to exacqVision Client.** Click the link under Group INI File to save a file that can be imported on the Add Systems page in exacqVision Client.

exacqVision esm enterprise system manager

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Demo Servers

[Change Name](#)

Bulk Add Servers 1

Xdv File: [Browse...](#) No file selected.

Server User name:

Server Password: [Show](#) [Add Servers](#)

Group Ini File 2

[Link to Demo Servers server ini file](#)

Camera logging:

- Camera disconnected
- Video loss

Server logging:

- Archive alarm
- Archive task alarm
- Button press
- Core throttling
- DVR board failure
- DVR board temperature
- Fan alarm
- Fanspeed sensor alarm
- Input trigger
- Login Failure
- Server disconnected
- Server license error
- Server license warning
- Soft trigger
- Storage alarm
- Storage hardware alarm
- Temperature sensor alarm
- Update Downloading
- Update Failure
- Update Installing
- Update Pending
- Update Success
- Voltage sensor alarm

[Edit](#)

Servers

Servers 1-5 of 19

exacqVision Arecont Server	Health Warning
exacqVision IQEye Server	Health Warning
exacqVision Linux Server	Health Warning
exacqVision Samsung Server	Health Warning
exacqVision Acti Server	Connected

Users

Users 1-5 of 7

Demo Admin
Exacq Demo
Brian Hughes
Ryan Huise
Trinity Martin

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To add a user, enter the credentials and select all the types of notifications that the user should be able to view. The Add User page contains the following options:

1. Realtime emails are sent as soon as an event starts.
2. Batch emails are summarized lists of events that occurred since the previous batch email was sent.
3. The throttling features allow you to limit the number of emails that can be sent over a certain period of time in order to prevent an extreme number of notifications.
4. Admin users can add servers, add users, and schedule updates. A global admin (an admin without a group) can also see the Options menu and Add Group menu item; a user assigned to a group can schedule updates and add servers only for that group. For example, a global admin can create multiple groups, one for each group administrator. The global admin could manage which server updates are available to the group admin, and the group admin could add servers, schedule updates, and add users to their group.

exacqVision

Dashboard
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Add Group
Options

Add User

User name: admin

Password: ••••••

☐ Is Admin

First name:

Last name:

Email address:

Group: (NONE)

Image: No file selected.

Realtime Camera emails:

- ☐ Video loss
- ☐ Video motion
- ☐ Camera disconnected

Batch Camera emails:

- ☐ Video loss
- ☐ Video motion
- ☐ Camera disconnected

Realtime Server emails:

- ☐ Archive task alarm
- ☐ Update Failure
- ☐ Storage alarm
- ☐ Fanspeed sensor alarm
- ☐ Update Success
- ☐ Server license error
- ☐ DVR board failure
- ☐ Server license warning
- ☐ Update Installing
- ☐ Soft trigger
- ☐ Server disconnected
- ☐ Fan alarm
- ☐ Input trigger
- ☐ Storage hardware alarm
- ☐ Update Downloading
- ☐ Voltage sensor alarm
- ☐ Temperature sensor alarm
- ☐ DVR board temperature
- ☐ Archive alarm
- ☐ Login Failure
- ☐ Update Pending
- ☐ Button press
- ☐ Core throttling

Batch Server emails:

- ☐ Archive task alarm
- ☐ Update Failure
- ☐ Storage alarm
- ☐ Fanspeed sensor alarm
- ☐ Update Success
- ☐ Server license error
- ☐ DVR board failure
- ☐ Server license warning
- ☐ Update Installing
- ☐ Soft trigger
- ☐ Server disconnected
- ☐ Fan alarm
- ☐ Input trigger
- ☐ Storage hardware alarm
- ☐ Update Downloading
- ☐ Voltage sensor alarm
- ☐ Temperature sensor alarm
- ☐ DVR board temperature
- ☐ Archive alarm
- ☐ Login Failure
- ☐ Update Pending
- ☐ Button press
- ☐ Core throttling

Throttle email count: 100

Throttle minutes: 15

Batch email frequency minutes: 15

Send batch with no activity: ☒

ESM NAVIGATION TIPS

Many ESM pages, including Users, Groups, Cameras, Servers (List), and Reports, contain Search and Display Options, which allows you to select all the information columns displayed on a page. Not all columns are displayed by default, so view the options on each page to make sure you are displaying the appropriate information for your situation.

Search and display options


EventId	<input checked="" type="checkbox"/>	
Event Start Time	<input checked="" type="checkbox"/>	
Event Type	<input checked="" type="checkbox"/>	<input type="text"/>
Event Target	<input checked="" type="checkbox"/>	<input type="text"/>
Server Name	<input checked="" type="checkbox"/>	<input type="text"/>
Event End Time	<input type="checkbox"/>	
Event Acknowledgement Time	<input type="checkbox"/>	
Comment Count	<input type="checkbox"/>	
History Event Count	<input type="checkbox"/>	
Most Recent Comment	<input type="checkbox"/>	
All Comments	<input type="checkbox"/>	

Results Per Page:

100

Search

ID	Start Time	Event Type	Event Target	Server Name
777905	03/12/2014 02:22:07 PM	Camera disconnected	MCI DC SDHM200BN - 2	exacqVision Stardot Server

Many columns can be sorted by clicking the column name. Status columns can be sorted by clicking .

To quickly find devices, servers, and other information on any page, type a word or phrase in the search box on any page and press Enter. Results can take up to 30 seconds to appear.

exacqVision **esm**
enterprise system manager

Dashboard

Reports

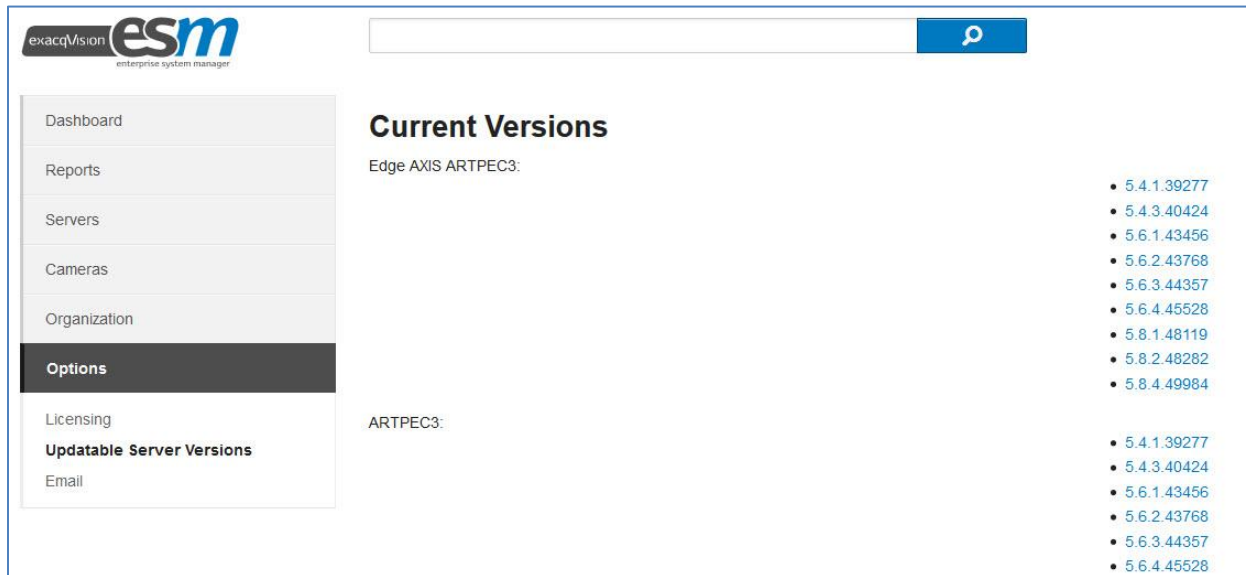
Search and display options

ID	Start Time	Event Type	Event Target	Server Name
777905	03/12/2014 02:22:07 PM	Camera disconnected	MCI DC SDHM200BN - 2	exacqVision Stardot Server

6 Schedule Updates

Select Schedule Updates to install new exacqVision Server software to the servers at a specific time. If there is no connection the Internet, you can manually download software updates to a portable drive, load it to the ESM server, and then have the video servers obtain it directly from the ESM server.

The Updatable Server Versions page shows all the server versions available to be applies as updates. Only global administrators and admins not assigned to groups can see this information.



The screenshot shows the exacqVision ESM (enterprise system manager) interface. On the left is a navigation menu with options: Dashboard, Reports, Servers, Cameras, Organization, Options (highlighted), Licensing, Updatable Server Versions, and Email. The main content area is titled 'Current Versions' and lists two categories of updates:

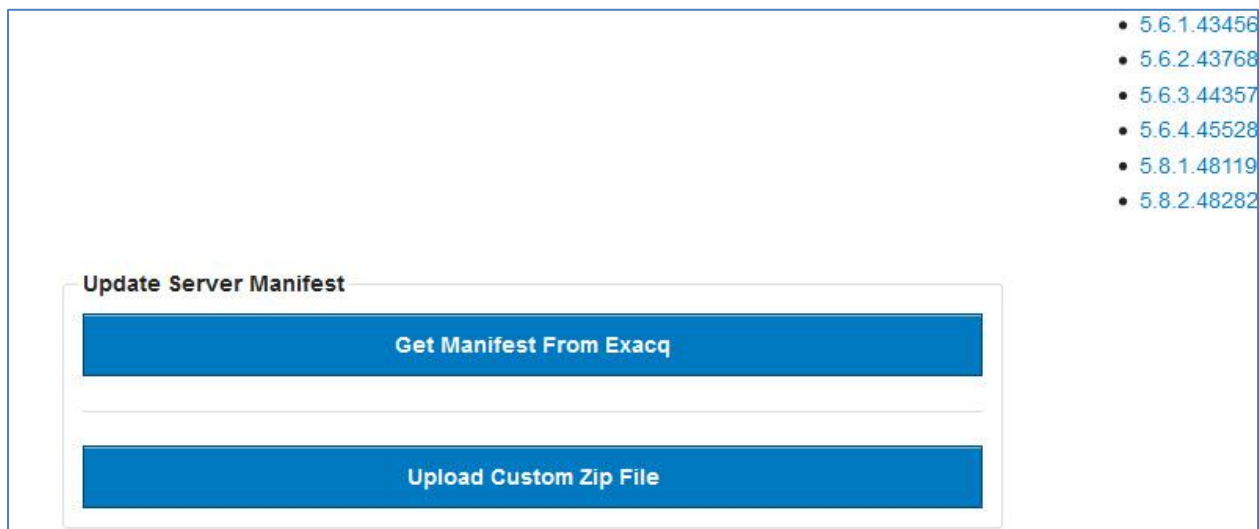
- Edge AXIS ARTPEC3:**
 - 5.4.1.39277
 - 5.4.3.40424
 - 5.6.1.43456
 - 5.6.2.43768
 - 5.6.3.44357
 - 5.6.4.45528
 - 5.8.1.48119
 - 5.8.2.48282
 - 5.8.4.49984
- ARTPEC3:**
 - 5.4.1.39277
 - 5.4.3.40424
 - 5.6.1.43456
 - 5.6.2.43768
 - 5.6.3.44357
 - 5.6.4.45528

The bottom of the page allows you to do the following:

- **Get Manifest From Exacq.** If the system is connected to the Internet, use this option to obtain a list of available software releases.
- **Upload Custom ZIP File.** If the system is not connected to the Internet, complete the following steps.
 1. On an Internet-connected computer other than the ESM server, obtain a ZIP file from the Software Updates Packaging Utility at the following location:

<https://www.exacq.com/support/downloads.php?type=softwareUpdatesPackagingUtil>
 2. Connect to the network on which the ESM server is located.
 3. Open the ESM interface and select the Upload Custom ZIP File button.
 4. Browse to the ZIP file and upload it to the ESM server.

After you select either option, a list of available versions and installers are displayed. On the update page, select the versions that you want to update the servers to.



To schedule updates, complete the following steps:




1. If you don't want all servers to be updated on the same schedule, select Filter Options. Enter all applicable information to identify the servers for which you want to schedule updates.
2. Select the software version from the drop-down list. **Select the software version with the highest version number unless specifically instructed by Exacq Technical Support.**
3. Select the date and time for the update from the drop-down list.
4. Click Add to Scheduled Updates.
5. Verify that the servers are now listed in the Scheduled Updates table. To remove a server from the list, click Unschedule.

The screenshot displays the 'exacqVision esm' interface. On the left is a navigation menu with 'Servers' selected. The main area is titled 'Add Scheduled Update' and contains a 'Filter options' section (callout 1) with a table of servers. Below the table are dropdown menus for 'Version' (callout 2) and 'Date and Time of Install' (callout 3), followed by an 'Add to Scheduled Updates' button (callout 4). On the right, a 'Currently Scheduled Updates' panel (callout 5) shows a 'Scheduled Updates' table with the message 'No currently scheduled updates'.

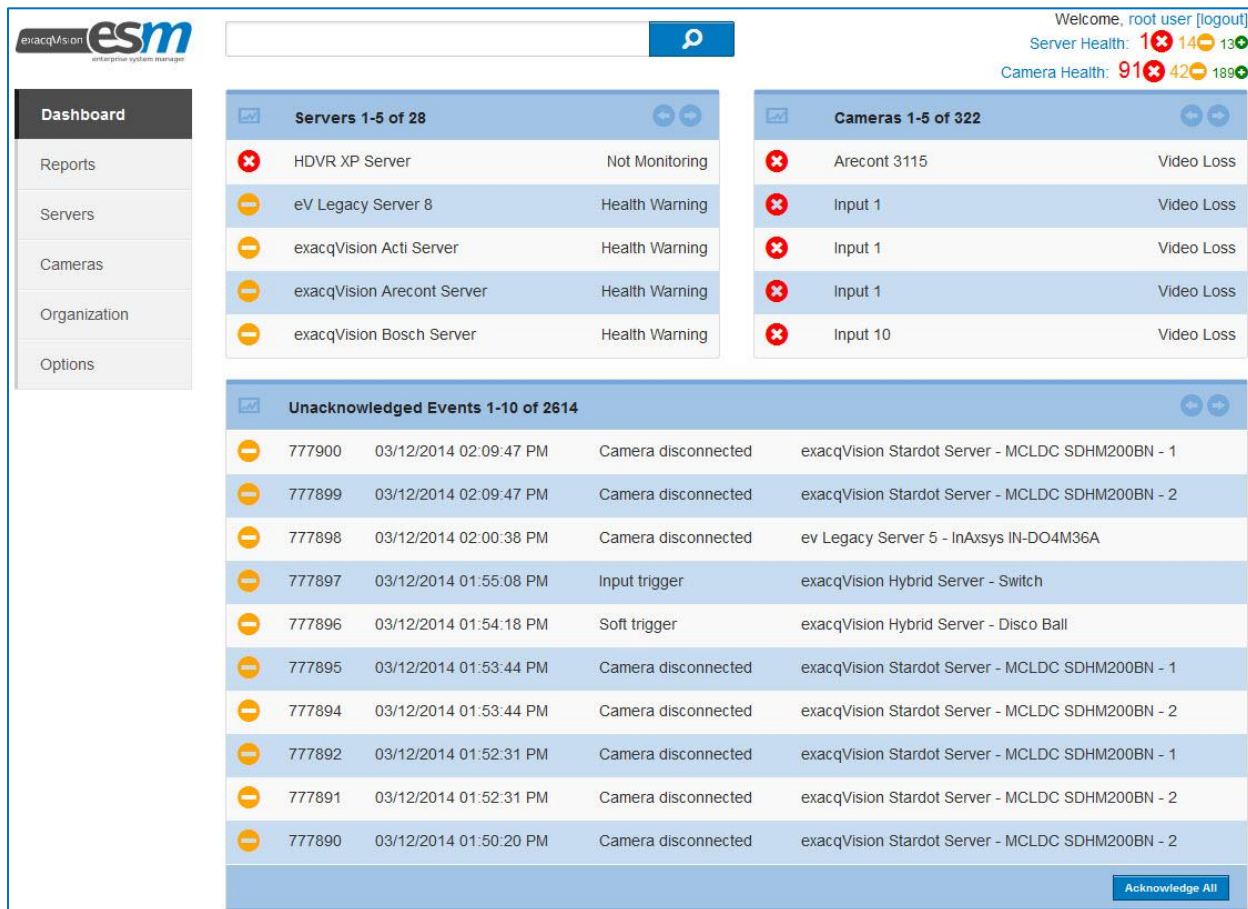
Server Name	OS	Version
ER1210013440	Linux	5.8.4.49984
exacqVision Acti Server	Linux	5.10.1.52809
exacqVision American Dynamics Server	Linux	5.10.1.52809
exacqVision Arecont Server	Windows	5.10.1.52809
exacqVision Axis Server	Windows	5.10.2.53007

7 Dashboard







The ESM Dashboard displays lists of added servers, all cameras associated with the servers, and unacknowledged events on the servers. The color-coded indicators display the following information:

	Server or camera not detected Event occurring and unacknowledged
	Health warning on server (such as temperature, storage alarm, archive alarm, CPU fan) Server license subscription expiring soon Event unacknowledged but open Event unacknowledged but closed
	Server or camera connected and operating Event acknowledged and closed

The indicators at the top-right corner of the screen indicate the total number of servers and cameras in each of those categories.



exacqVision **esm** enterprise systems manager

Welcome, root user [logout]
 Server Health: 1  14  13 
 Camera Health: 91  42  18 

Dashboard

Reports






Servers

Cameras






Organization

Options











Servers 1-5 of 28

	HDVR XP Server	Not Monitoring
	eV Legacy Server 8	Health Warning
	exacqVision Acti Server	Health Warning
	exacqVision Arecont Server	Health Warning
	exacqVision Bosch Server	Health Warning



Cameras 1-5 of 322

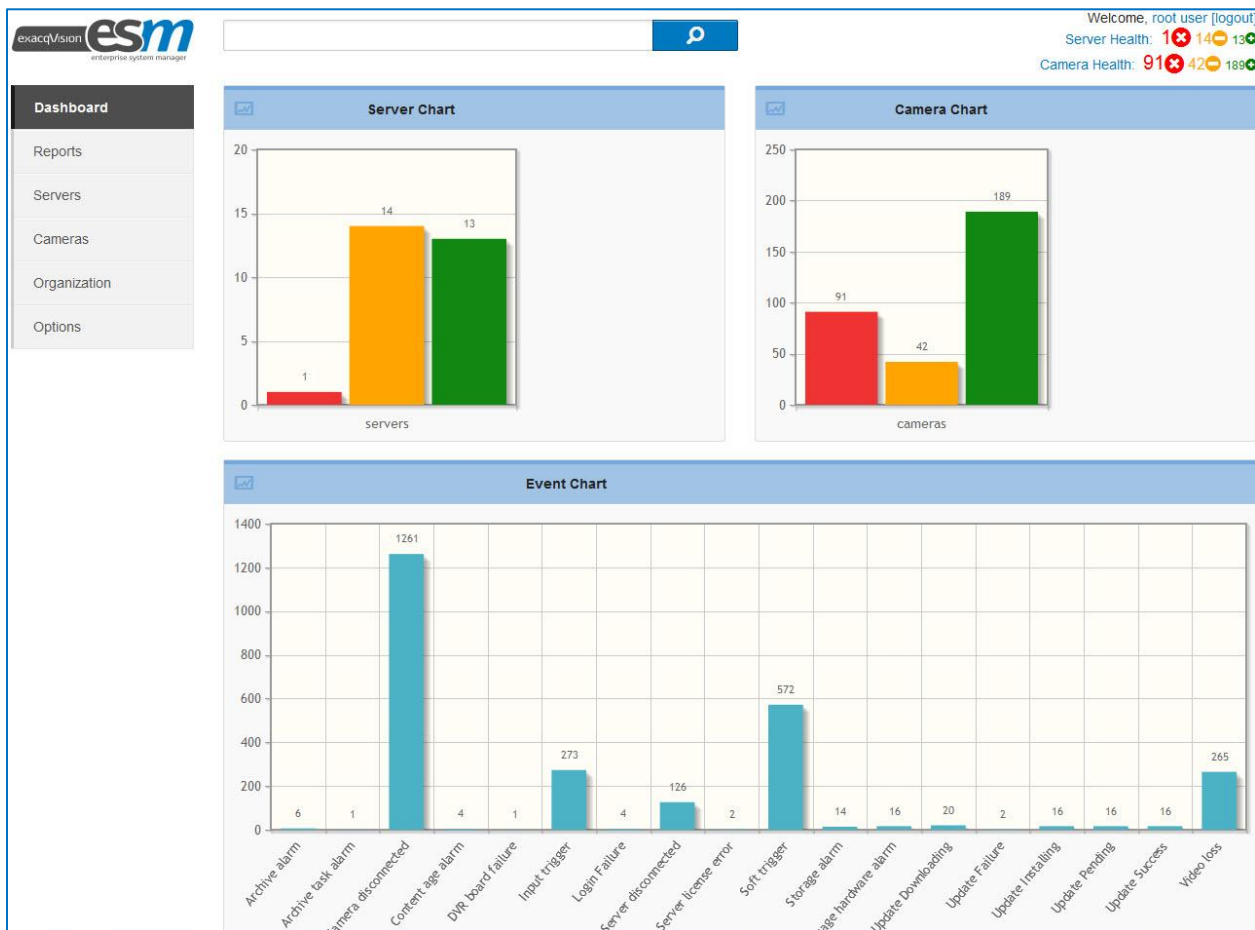
	Arecont 3115	Video Loss
	Input 1	Video Loss
	Input 1	Video Loss
	Input 1	Video Loss
	Input 10	Video Loss

Unacknowledged Events 1-10 of 2614

	777900	03/12/2014 02:09:47 PM	Camera disconnected	exacqVision Stardot Server - MCLDC SDHM200BN - 1
	777899	03/12/2014 02:09:47 PM	Camera disconnected	exacqVision Stardot Server - MCLDC SDHM200BN - 2
	777898	03/12/2014 02:00:38 PM	Camera disconnected	ev Legacy Server 5 - InAxsys IN-DO4M36A
	777897	03/12/2014 01:55:08 PM	Input trigger	exacqVision Hybrid Server - Switch
	777896	03/12/2014 01:54:18 PM	Soft trigger	exacqVision Hybrid Server - Disco Ball
	777895	03/12/2014 01:53:44 PM	Camera disconnected	exacqVision Stardot Server - MCLDC SDHM200BN - 1
	777894	03/12/2014 01:53:44 PM	Camera disconnected	exacqVision Stardot Server - MCLDC SDHM200BN - 2
	777892	03/12/2014 01:52:31 PM	Camera disconnected	exacqVision Stardot Server - MCLDC SDHM200BN - 1
	777891	03/12/2014 01:52:31 PM	Camera disconnected	exacqVision Stardot Server - MCLDC SDHM200BN - 2
	777890	03/12/2014 01:50:20 PM	Camera disconnected	exacqVision Stardot Server - MCLDC SDHM200BN - 2

Acknowledge All

- The right and left arrows  allow you to scroll through additional pages of servers, cameras, and events.
- You can alternate between list and chart views by clicking the chart icon in each table.  This is what the chart view looks like:



For information on event definitions and acknowledging events, see the Reports section of this manual.

8 Reports

Reports allows you to

- view and manage a list of unacknowledged events.
- view a list of open events.
- search for specific events based on various criteria.

The screenshot shows the exacqVision Reports page. On the left is a sidebar with navigation links: Dashboard, Reports (selected), Unacknowledged Events, Open Events, Search Events, Servers, Cameras, Organization, and Options. The main content area has a search bar and a 'Search and display options' dropdown. Below this is a table of events with columns: ID, Start Time, Event Type, Camera Name, and Server Name. The table lists several events, including 'Input trigger' and 'Camera disconnected' events. At the bottom of the table is a 'Download' button and a pagination control showing 'Previous', '1', '2', '3', '4674', and 'Next'.

ID	Start Time	Event Type	Camera Name	Server Name
46736	10/22/2013 3:49 p.m.	Input trigger	—	exacqVision American Dynamics Server
46735	10/22/2013 3:49 p.m.	Input trigger	—	exacqVision American Dynamics Server
46732	10/22/2013 3:49 p.m.	Input trigger	—	exacqVision American Dynamics Server
46733	10/22/2013 3:49 p.m.	Camera disconnected	FD8135H	exacqVision Vivotek Server
46734	10/22/2013 3:49 p.m.	Camera disconnected	FD8135H - Stream 1	exacqVision Vivotek Server
46731	10/22/2013 3:48 p.m.	Input trigger	—	exacqVision American Dynamics Server
46730	10/22/2013 3:48 p.m.	Input trigger	—	exacqVision American Dynamics Server
46727	10/22/2013 3:48 p.m.	Camera disconnected	FD8135H	exacqVision Vivotek Server
46728	10/22/2013 3:48 p.m.	Camera disconnected	FD8135H - Stream 1	exacqVision Vivotek Server
46726	10/22/2013 3:48 p.m.	Input trigger	—	exacqVision American Dynamics Server

To acknowledge an event, click its entry to open a page containing detailed information about the event. (You can also open this page from the event list on the Dashboard.) Enter any applicable comments and click Add Comment. Then click Acknowledge Event.

The screenshot shows the exacqVision esm event details page. The left sidebar is the same as the previous screenshot. The main content area has a title 'Camera disconnected: AV3100 (5)' and a status 'Unacknowledged and Closed'. Below the title is an 'Acknowledge Event' button. The 'Details' section shows: Server: exacqVision Arecont Server, Camera: AV3100 (5), Event Type: Camera disconnected, and Duration: 0:00:03. The 'Event History' section shows: Viewed by root user - now and Camera disconnected Started - a minute ago. On the right is a 'Comments' section with a text input field 'enter new comment here...' and an 'Add Comment' button.

You can also acknowledge all open events simultaneously using the Acknowledge All button near the bottom of the Dashboard.



The following events can be monitored. For information about selecting which events to monitor, see the “Organization” section of this manual.

Camera Events	Definition
Video Loss	Analog or IP video signal lost.
Video Motion	Camera has detected motion.
Camera Disconnected	Network cannot connect to analog or IP camera.

Server Events	Definition
Archive Alarm	Failure on archiving target, such as bad mount point.
Archive Task Alarm	Archive task failed.
Button Press	Button input on server pressed.
Content Age Alarm*	Video deleted before configured retention period. For example, the server is configured to retain video for 30 days, but the server does not have enough space to store that much video.*
Core Throttling	Server load requires that video frames be discarded to compensate.
DVR Board Failure	Capture card malfunctioned.
DVR Board Temperature	Capture card temperature not within recommended range.
Fan Alarm	Fan has failed on capture board
Fanspeed sensor alarm	System fan not operating at recommended speed.
Input Trigger	Discrete input on a hybrid server (or IP camera with alarm input) activated.
Login Failure	Login attempt failed on server.
Server Disconnected	Connection to server lost.
Server License Error	Invalid license on server.
Server License Warning	License will expire in less than 30 days.
Soft Trigger	Signal sent from Client to server.
Storage Alarm	Drive capacity threshold reached.
Storage Hardware Alarm	Server storage malfunctioned.
Temperature Sensor Alarm	System temperature not within recommended range.
Update Downloading	Software update download in progress.
Update Failure	Server software update failed.
Update Installing	Server software update installing.
Update Pending	Server restarting after software update.
Update Success	Server software update completed.
Voltage Sensor Alarm	System voltage not in recommended range.

*When a new system starts recording video for the first time, a content age alarm will not be triggered even though the age of the oldest recorded video is lower than the desired oldest content. This event cannot be triggered until the system automatically deletes data when the storage capacity is filled earlier than desired.

For information about troubleshooting Content Age Alarm events, see <https://crm.exacq.com/kb/?kbid=64975>.

The Search Events page allows you to find events based on various criteria, including event time, event type, and associated cameras and servers:

exacqVision

esm

enterprise system manager

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Organization

Options

Search and display options

	Display Search	
EventId	<input checked="" type="checkbox"/>	
Event Start Time	<input checked="" type="checkbox"/>	
Event Type	<input checked="" type="checkbox"/>	<input type="text"/>
Event Target	<input checked="" type="checkbox"/>	<input type="text"/>
Server Name	<input checked="" type="checkbox"/>	<input type="text"/>
Event End Time	<input type="checkbox"/>	
Event Acknowledgement Time	<input type="checkbox"/>	
Comment Count	<input type="checkbox"/>	
History Event Count	<input type="checkbox"/>	
Most Recent Comment	<input type="checkbox"/>	
All Comments	<input type="checkbox"/>	

Results Per Page:

10

Search

ID	Start Time	Event Type	Event Target	Server Name
312907	01/02/2014 3:24 p.m.	Camera disconnected	AV3100 (2)	exacqVision A
312908	01/02/2014 3:24 p.m.	Camera disconnected	AV3100 (4)	exacqVision A

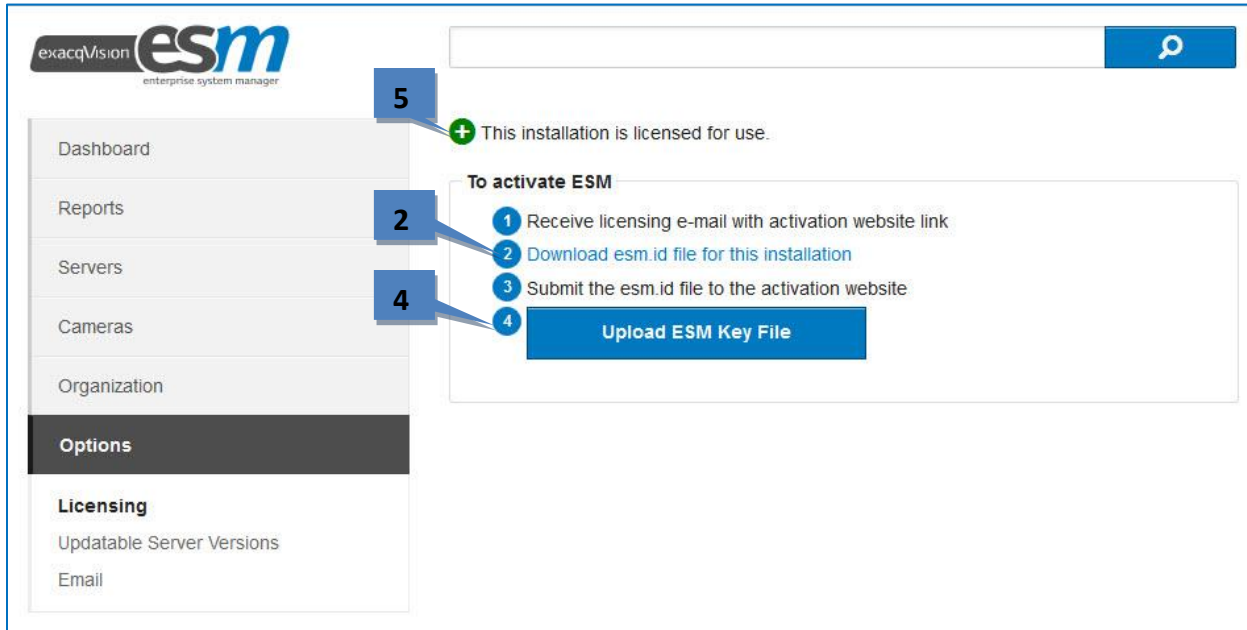


9 Options

Options displays information about licensing, available server versions, and the email notification server.

NOTE: For information about the Updatable Server Versions page, see the Schedule Updates section of this manual.

The Licensing page allows you to update the licenses of your servers. To obtain or update a license, complete the following steps:



1. You should receive a licensing email that includes a link to the activation web site and licensing instructions (not shown here).
2. To download the ESM.ID file, click Download ESM.ID File For This Activation on the Licensing page. If the system is not connected to the Internet, save the file to a portable storage device.
3. Submit the ESM.ID file on the activation web site (not shown here). Obtain an ESM key file and save it to the system, or to a portable storage device if the system isn't connected to the Internet.
4. Apply the ESM key file by clicking Upload ESM Key File on the Licensing page and then browsing to the file's location.
5. After uploading the license file, ESM displays "This Installation is Licensed for Use" at the top of the Licensing page.

The Email page allows you to configure the email server used by ESM. Click Edit to enter or modify the email server information.

The Email page also contains a data retention setting, which allows you to automatically delete monitoring data after a certain number of days. Click Edit to change any email server or data retention settings.

exacqVision

esm

enterprise system manager

Dashboard

Reports

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Options

Licensing

Updatable Server Versions

Email

Email

Host:smtp.gmail.com

User name:

From address:esmdemo.exacq.org

Requires TLS:yes

Data Retention

Days of event retention:5

Edit



Appendix A: SSL Certification for Apache

To configure and enable SSL certification for Apache in ESM, complete the following steps:

1. Obtain a signed certificate from an authority such as VeriSign.
2. Rename the artifacts before the extension to “server” (server.crt, for example).
3. Save the artifacts to the following directory:

Linux: /usr/local/exacq/esm/apache_solr/apache2/conf/

Windows: \exacqVisionESM\apache_solr\apache2\conf\

4. To force any user of ESM to redirect to https, open the httpd.conf file (found in the location from the previous step. (at the above location)
5. In that opened file, remove the pound sign (#) from the following lines:

```
#RewriteCond %{SERVER_PORT} !^443$  
#RewriteRule ^/(.*) https://%{HTTP_HOST}/$1 [NC,R=301,L]
```