

EXACT Technologies





The power behind your mission



exacqVision Software Overview





2

The power behind your mission



The Value Proposition of Enterprise Manager

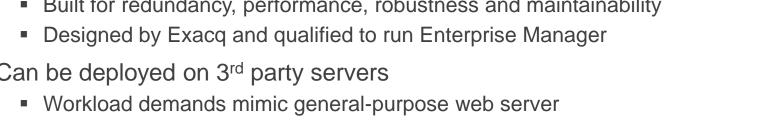
- Maximize the uptime of exacqVision Enterprise recorders
 - Continuously monitors health of NVRs
 - Instant health assessment
 - Highly flexible e-mail notifications
 - Recorder failover to spare hardware
 - Quick backup and recover of recorder configurations
- Reduce administrator maintenance time
 - Automated, scheduled recorder updates
 - Enterprise user management automation
 - Manage exacqVision client-server connections
- Included at no charge with all exacqVision Enterprise deployments
 - NVRs must have exacqVision Enterprise Edition
 - NVRs do not need to have active SSA
 - NVRs do not need to be built-by-Exacq

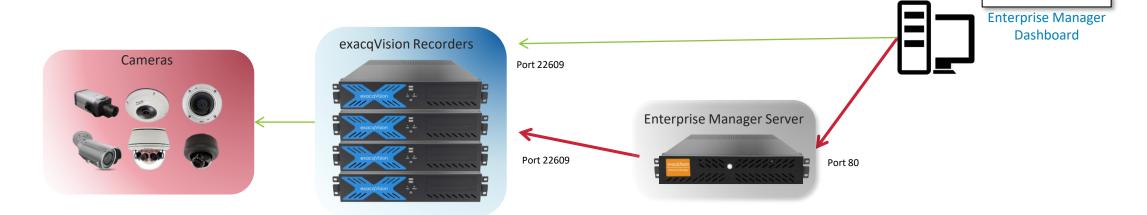






- Can be deployed on Exacq's EM-Series server
 - Built for redundancy, performance, robustness and maintainability
- Can be deployed on 3rd party servers







exacqVision Client

Fault-Tolerant Architecture

- exacqVision Deployment
 - NVRs can operate autonomously if Enterprise Manager down
 - NVRs can be managed independently with exacqVision Client if Enterprise Manager is down
- Enterprise Manager instance
 - Enterprise Manager provides scheduled exports and import of its configuration to reduce downtime
 - When deployed on EM-Series: HW fault tolerate with RAID
 - When deployed on virtualization: VM failover or recovery using hypervisor management tools





Screen Tour: Real Time Dashboard

exacq	ISION [®]			Q			ROOT USER □ Server Health: 1 3 1 0 0 Camera Health: 4 3 0 2 0 3 6
DASHBOARD		uh	Servers 1-3 of 3	4+ +}-	nh	Cameras 1-5 of 60	**
REPORTS		8	exacqVision Hybrid Server	Not Monitoring	8	Flex 4K (low res)	Video Loss
Alerts		•	exacqVision Illustra Server	Health Warning	8	P3375	Video Loss
Events		0	exacqVision Axis Server	Connected	8	P3375 (2)	Video Loss
SERVERS Servers	[add]				0	P3375 (low)	Video Loss
User Roles	[add]				0		
CAMERAS					U	Donut Cam	Monitoring
Inspection		—					**
WEB SERVICES		=	Alerts for Open Server Events				
ORGANIZATION		No serve	er alerts found. Visit rules page to define alert criteria.				
Users	[add]						Delete All
Groups	[add]						
Domain		=	Alerts for Open Camera Events				**
OPTIONS		_					
Rules	[add]	No came	era alerts found. Visit rules page to define alert criteria.				
Failover Groups	[add]						Delete All
Licensing							
Available Versions							
Settings							

© Copyright 2019 Exacq Technologies, Inc. Version: 19.03.8.153244 🍟

Help On This Page User Manual Open Source Software



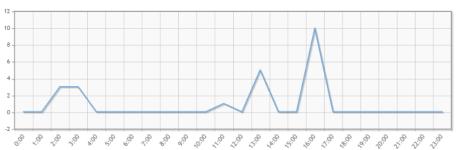


Screen Tour: Server Details

exacqVision Axis Server 🥒 🛱 📋

Add server image	
Status: Connected	
SSA Through: Jul 25, 2024 [detail]	
Version: 9.8.4.150001	
Oldest Content: 374 days	
-	
Upcoming Actions:	
(None)	
Details:	
Address:	axis.exacq.com
Port:	22609
Hostname:	axis.exacq.com
Server Connection Type:	Inbound
Server Platform:	Windows 64-bit
Version:	9.8.4.150001
Group:	root
Username:	admin
Serial:	F8-32-E4-6E-63-DD
Mac:	F8-32-E4-6E-63-DD
Desired Oldest Content:	0 days
Password Strengthening:	Disabled
Live Streaming:	Enabled

Server Events



Open Server Events:



(None)

Cameras Events

_				
- C -	200	\sim	ra	~
c	ım	e	ıa	э.

Cameras			Events		
	Cameras 1-5 of 6			Server Events 1 - 5 of 17	(
0	P1367 - Perimeter Defender	Monitoring	3778592	Jan 10, 2019, 04:25:33 p.m. EST	Server disconnected
0	P3375	Monitoring	3778615	Jan 10, 2019, 04:25:30 p.m. EST	Update success
0	Q1921 (thermal) - 5.50.2	Monitoring	3778530	Jan 10, 2019, 04:25:00 p.m. EST	Update installing
0	Q3709-PVE - Center	Monitoring	3778527	Jan 10, 2019, 04:25:00 p.m. EST	Update downloading
0	Q3709-PVE - Left	Monitoring	3778532	Jan 10, 2019, 04:25:00 p.m. EST	Update pending

Saved Configurations

	Saved Configuration 1 of 1	-
newconfig	Oct 4, 2018, 02:52:29 p.m. EDT	/ 1





Screen Tour: Camera Details

exacqVision Axis Server: P3375 🥒

Add camera image

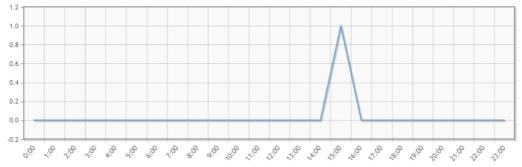
Model: AXIS VAPIX P3375-LV

Status: Monitoring

Details:

Address:	172.19.232.145
Server:	exacqVision Axis Server
Mac Address:	AC-CC-8E-93-F6-E2
Firmware:	7.25.1
Last Connection:	Jan 10, 2019, 04:26:00 p.m. EST
Last Recorded Video:	Jan 10, 2019, 04:56:26 p.m. EST

Camera Events



Open Camera Events:

)

Additional Data:

(None)

Video Feed

No live privilege on the server

Camera Events

	Camera Event 1 of 1		* *
3776103	Jan 4, 2019, 03:07:45 p.m. EST	Camera disconnected	





Ensure Consistent Scene Quality

- Camera Inspection process
 - Inspect by group/date/name
 - Mark views bad or good
 - Generate reports for techs

Camera Inspection 🔻 🛓				
ESM / exacqVision Hybrid Server / Axis P3346		ESM / exacqVision Hybrid Server	/ Axis P3346 (1)	
Marked as GOOD by Isaac Penrod 4 weeks, 1 day ago Reference: Snapshot:		Marked as GOOD by Isaac Penrod 4 weeks, 1 Reference:		
Reference: Snapshot:	Mark Good	Reference Image	Snapshot:	Mark Good
Not Available	Mark Bad	Not Available	Carlos and a	Mark Bad
	[view details]			[view details]
ESM / exacqVision Hybrid Server / Exacq Cafe		ESM / exacqVision Hybrid Server	/ Input 1	
Marked as GOOD by Isaac Penrod 4 weeks, 1 day ago		Not Inspected		
Reference: Snapshot:		Reference:	Snapshot:	
Reference Image	Mark Good	Reference Image		Mark Good
Not Available	Mark Bad	Not Available		Mark Bad
	[view details]			[view details]



- Customize which events create alerts or send notifications
- Customize alerts to trigger immediately or after x time
- Customize which servers and cameras create alerts
- Customize who to send alerts to
- Customize to send immediately or in batches

Add Ru	ıle	
if	30 out of 32 events * starts * in any group * on any server * for any camera *	
then	display alert * to 198 out of 198 users *	
		Add Rule

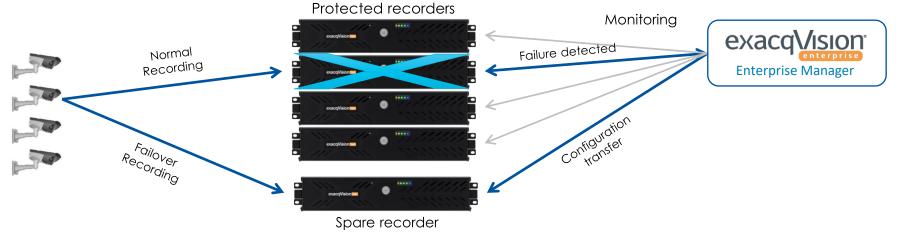
	Enterprise Manager	exacqVision Client
Overall workflow	Define triggers and recipients in one workflow	Define message profiles, then define Event Linking rules that send email using those message profiles
Email format	Formatting pre-defaulted	Must build email with subject, message, and keywords
Recipients	Pick users from drop-down	Manually specify email addresses





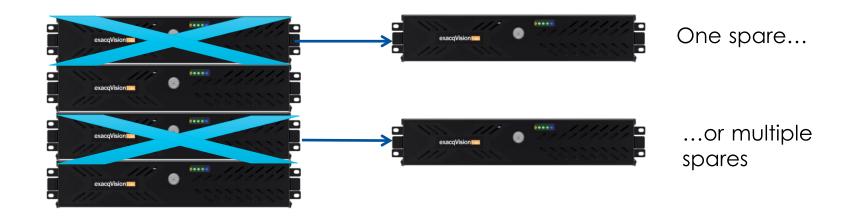
Ensure Availability of Recorders

- In case of recorder failure, Enterprise Manager can failover to spare hardware
 - Failover takes ~ 1 minute
 - Automatic failback
 - Users automatically updated with new recorder
 - Manual mode for maintenance of exacqVision recorders





Multiple spares protect against multiple simultaneous failures







Designed for Local Availability

- Define failover groups according to physical proximity
 - Not designed for WAN failover
 - Failure detected by network timeout

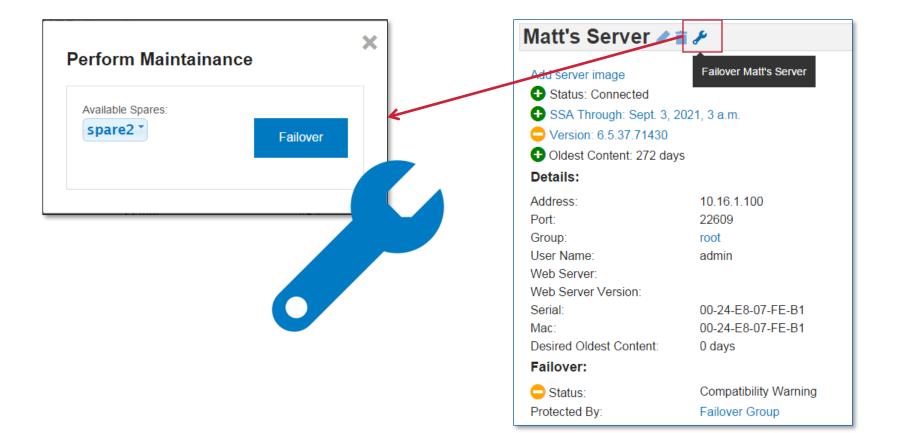






Manual Transfer

Manually transfer recording before maintenance downtime







What Fails Over

- Cameras
- Recording Schedules
- Users
- Event Linking
- Saved Layouts, Views, Groups and Maps
- Serial Profiles
- Archiving configuration
- Notification Rules
- Auto Export Rules







What Fails Back?

- Enterprise Manager will automatically failback all configuration to the production recorder
 - Today: Video remains on the spare recorder
 - Admin can manually copy video to production recorder
 - V19.06 new feature
 - Video automatically restores to the production recorder





Keep Everything Up-to-Date with Enterprise Manager

- From Enterprise Manager...
 - Update recorders
 - Update web services
 - Update Enterprise Manager itself
 - Prompt clients to update



Enterprise Manager



exacqVision Web Service



exacqVision **Recorders**



exacqVision Clients



Audit Versions Installed

Audit what versions are running in the environment

new (Recommende	d) server version is available. See Recommen	ded Server Versions list.		
Version	Product	Platform Name	Count	Actions
7.6.0.93050	ExacqVision Server	Edge illustra 610	1	
7.6.0.93050	ExacqVision Server	Linux	3	
7.6.0.93050	ExacqVision Server	Windows	1	
7.6.0.93050	ExacqVision Server	Windows 64-bit	5	
7.6.0.93040	ExacqVision Web Service	Linux	2	





Perform Administration on Your Schedule

- Schedule configuration backups
- Schedule configuration loads
- Schedule software updates
- Schedule license imports
- Schedule maintenance

_	Server List 🔻 🖉 🛅	1 Î			
	Save Configurations				
	Change Configurations				
	Update Software				
	Import Licenses				
add	Schedule Maintenance				
add					





Automate Client Configuration

- Use Enterprise Manager to avoid managing lists of server connections per client
- The user logs into the client using Enterprise Manager credentials (or SSA)
- Enterprise Manager feeds the list of servers for the users group membership

Manual Import Location:			Import	Export		
Automatic Impor						
Enable:		_				
Туре:	File on startup	ORL on startup	Synchronize with ESM			
URL:	https://esmdemo.exad	cq.com				
\odot	Always prompt for cred	lentials				
۲	Use credentials entered	below:				
ESM User Name:	rhulse					
ESM Password:	•••••					
Status:	Connected					
			Apply	Cancel		

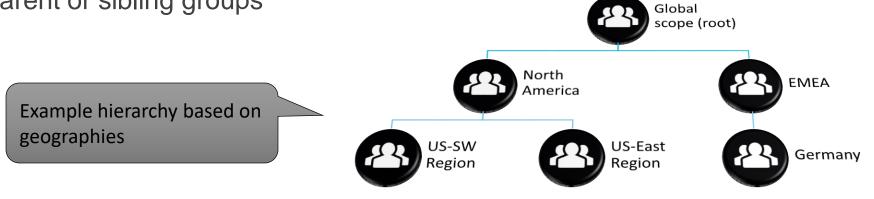


License Transfers

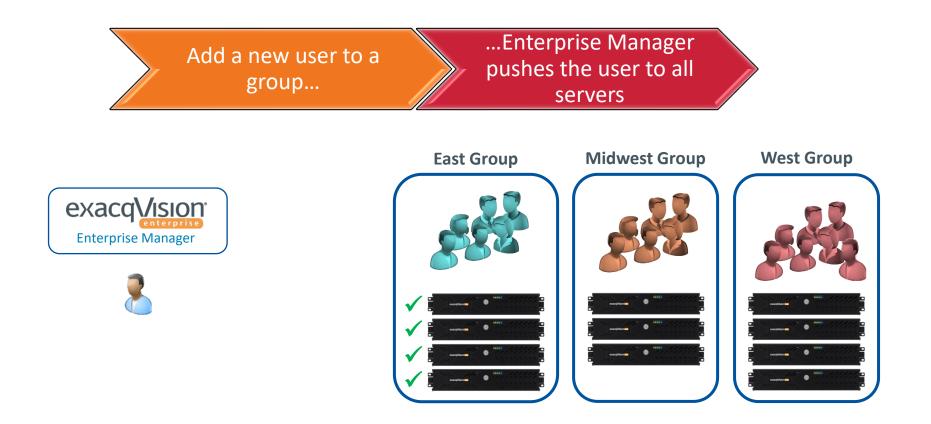
- Transfer camera channels between NVRs
 - Free of charge; no wait for PO processing
 - Channel must be 'unused' Fewer cameras connected than maximum
 - SSA of target NVR remains the same Transferred channel assumes SSA of target NVR
- Store camera channels in Enterprise Manager Channel Pool
 - SSA does not "count down" while in the Channel Pool
 - New channel SSA does "spread" to target NVR following normal add-camera logic

		.exacq.com/servers/transferlicenses	☆ 📲	0 🔤
kacqVision			Search 🔎 📑 🔩 🕄	■ (
SHBOARD		Transfer Licenses		
EPORTS				
Alerts		Source (1)	Transfer ① Target ①	
Events		ExacqVision Illustra Server	 ✓ Select server 	\sim
RVERS		Available: 25 channels 🕔		
ervers	[add]	Total: 33 channels		
ser Roles	[add]	Used: 8 channels Pending: 0 channels		
icenses		Expiration Date: Sep 25, 2022		
MERAS				REMOV
nspection				REMOVE
EB SERVICES			ADD ANOTHER	R AP
RGANIZATION			ADD ANOTHER	A AP
Jsers	[add]			

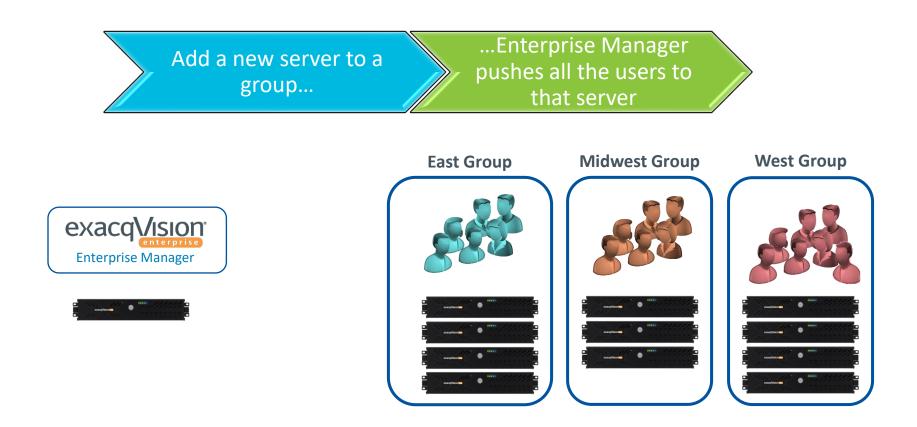
- Enterprise Manager Groups are different than exacqVision Client Groups
- Groups contain servers and users
 - A new user can be quickly added to a group to get access to all member server
 - A new server can be quickly added to a group to get all required users
- Groups are defined in a hierarchy
 - Users can only see servers in their group membership
 - No visibility to parent or sibling groups



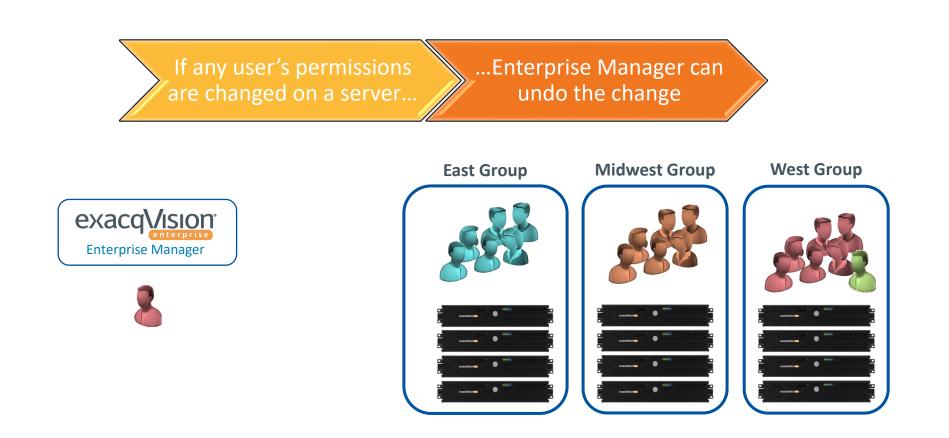










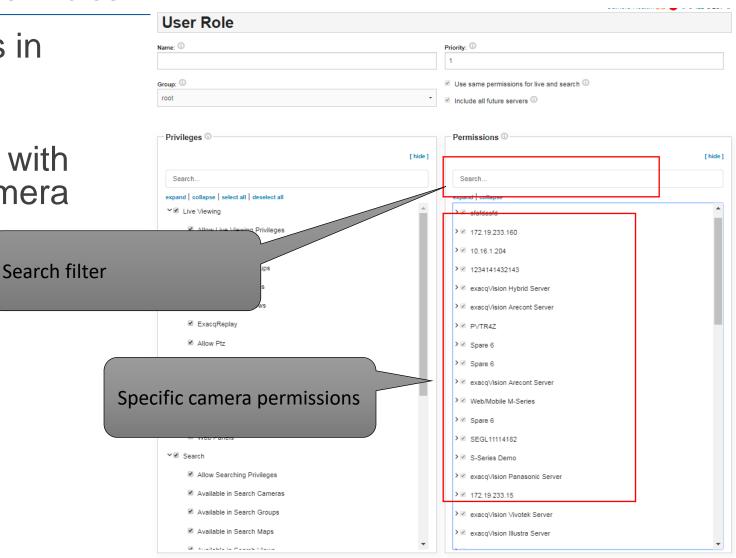






Managing Users: Defining User Roles

- Create and manage users in Enterprise Manager
- Define custom user roles spanning multiple servers with specific privileges and camera visibility





Managing Users (Cont.)

- Create a user and define
 - Accessibility to Enterprise Mana monitoring
 - What servers the user can see Enterprise Manager
 - What groups of NVRs the user
 - The user role (level of permission) user has for each group of NVR

(Cont.)	Main Settings		✓ Allow access ^①
	Username: ① TestUser	Search	 Allow access Is admin
and define	Password:		First name:
Enterprise Manager	OKAmig0\$ Hide		Last name: ①
Enterprise Manager	Group: ①		
he user can see in nager	root / server_army	•	 Create default alert rule for user
f NVRs the user can access	─ Server User Roles [@] -		Drag and drop image files here or click to select from the file system.
level of permissions) the	Group: root	User Role: (No Server Access) -	
ach group of NVRs	root / ESM	(No Server Access) -	Email Settings
	root / server_army	Power User 🕞 🔮	Email address: ⁽¹⁾
	root / server_army / server_army2	Power User -	Throttle email count: ①
Define unique user role per	root / FailoverTest	(No Server Access) 🔹 🔍	100
group	root / bluish	(No Server Access) 🕞	Throttle minutes:
	root / vktestgroup	(No Server Access) 🔹 🌑	Batch email frequency: 🚯
			15 minutes -
			Send batch with no activity ⁽¹⁾
			Save & New Save
			Controls

Add User



tyco | Exacq

Enterprise Manager

Maximize Uptime of Your exacqVision Enterprise Recorders

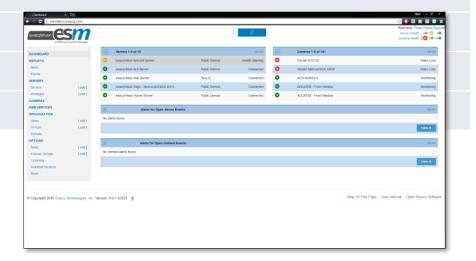
Real-time health monitoring of all exacqVision Enterprise recorders and cameras Available anywhere with web access: PC's, tablets, smart phones, etc.

Highly flexible alerting and email notifications

Active-passive failover

Update recorders remotely on schedule

Simplify user management











The power behind **your mission**