NUCLEUS 3D Unified Management System for Smart Buildings & Cities

Milestone XProtect Adapter

User Training



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Overview

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Overview



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The Milestone XProtect video management system is available in different editions, and the editions that NUCLEUS 4.5.0 have been tested to integrate with :

- Milestone XProtect Corporate (v5.0 2013, 2013 R2, 2014)
- Milestone XProtect Enterprise (2013, 2014)

Detail specifications are stated in "NUCLEUS Milestone XProtect Integration Specifications".



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Adapter installation

1. Double click the installer to start installation.



NOTE: install the adapter on the computer that runs NUCLEUS Server.

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Adapter installation

2. You can change the NUCLEUS-Milestone adapter default installation directory.

NUCLEUS - Milestone Adapter 2.0.2 Setup	X
Select installation directory	N
Install Milestone Adapter to: C:\Program Files (x86)\G Element\Milestone Adapter	
Change	
Back Next	Cancel

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Adapter installtion

3. Confirm to click "Install" button to proceed.

NUCLEUS - Milestone Adapter 2.0.2 Setup	X
Ready to install Milestone Adapter	N
Click Install to start the installation of Milestone Adapter. Click Back to review or change any of your installation settings. Click Cancel to exit the installer.	
Setup Type: Install Destination Folder: C:\Program Files (x86)\G Element\Milestone Adapter	
Back Install Can	cel

4. You can select to let installation wizard direct you to the configuration page as below.



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Configuration

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1. Login the NUCLEUS Server setup page by http:<Nucleus-Server-addr>/nu/setup (or http:<Nucleus-Serveraddr>:<port>/nu/setup).

Username: setupadmin

Password: pass

NUC	LEUS - Setup
Username :	setupadmin
Password :	••••
Language :	English
	Login

2. Go the "Milestone" tab. In the section of "Milestone Server", type in the Milestone Management <u>Server IP and</u> <u>its port number</u>, then "save"

NUCLEUS Server Setup	Activation	Server	Logo	Backup	Milestone	Account		
Milestone Server								
Milestone Management Server I	P 10.0.208							
Milestone Management Server Por	τ ου						Save	
							Javo	

3. In the section "Milestone Admin User", type in a Milestone account that has admin rights. Leave the item "Windows Domain" empty if there is no domain.

Milestone Admin User		
Windows Domain		
Administrator Username	Administrator	
Password		
(repeat)		
		Save

4. In the section "Milestone Alarm Settings", type in the Alarm setting information.

Milestone Alarm Settings		
Milestone Event Server IP	10.0.208	
Milestone Event Server Port	22331	
Alarm Polling Interval (ms)	1000	
Receiving Nucleus URAPI URL	http://localhost/nu/?r=UniversalReceiver	
		Save



5. In the "MJPEG Server Settings" section, fill the relevant information.

MJPEG Server Settings		
MJPEG Server Base Port	49152	
Max Concurrent MJPEG Streams	100	
MJPEG Secure Mode	1	
		Save



6. Check the "Milestone adapter status".

Milestone Adapter Status			
Service Status	RUNNING		
Milestone Adapter Version	2.0.1.0		
Milestone Server IP Address	10.0.208		
Nucleus Server URL	http://localhost/nu/?r=UniversalReceiver		
Connection to Milestone Server	Connected		
Connection to Milestone Alarm Service	Connected		
Connection to Nucleus Server	Connected		
Current MJPEG streams	No active streams		
		Start	Stop
Miscellaneous	0	1	
Production Mode	0	1	
			Save

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The communication channel between **NUCLEUS Server and Milestone XProtect Server** is setup if the previous configurations are correctly done.



Add External Credentials

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Each NUCLEUS user account that wants to use the NUCLEUS-Milestone integrated devices needs a Milestone account that has been given access rights to those devices.

 On your client machine, access NUCLEUS Server by Desktop Client. The default Administrator account: username: admin password: nimda 2. Click the "Users" tab and then select the user to whom an external credential would be created.





3. Click the "Add" icon to pop up a box for filling in external credential information.

ho Create External Credentials $ imes$				
System:				
Username:				
Password:				
Confirm Password:				
Domain:				
Credential Type:				
		- 1		
	Save Cancel			

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Warning

If your external credential is not entered or incorrectly entered, the camera list will be blank when you intend to plant a MilestoneLiveVideoType camera into NUCLEUS.



1. Open NUCLEUS Client.

NUCLEUS Desktop Client 4.5.0	
File Language Help	
NILL	
Connect	
Senver	localhost
Bort:	Default
Usernam	e: admin
Password	
	Collinet

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2. Load a profile in a site.



3. Add a device of "MilestoneLiveVideoType".



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4. Choose one of camera that have been planted in Milestone.

Devices Obj	ects Events	Tools	Search			
💂 Edit Device I	💂 Edit Device myCamera (ID: 34)					
Information	Advanced					
Name *:	myCamera					
Type *:	Milestone	LiveVideo	Турі 🗸			
Tag:			4			
Icon:	Edit					
Position:		Edit				
Block:	Office Block		•			
Camera:	Canon VB-M40	/ <u>H41</u> Cam	era (1 💙			
	Camera					
Decet Sau	Axis 1 channe	l device (1	0.0.0			
	Samsung Wis	enet Cam	eras (1			
	Canon VB-M40/H41 Camera (
	Axis 1 channel device (10.0.0					
Samsung Wisenet Cameras (1						

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5. Finish the rest steps of adding a device. Then, the video feed will be displayed in NUCLEUS.



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Matrix Monitor

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Matrix Monitor

- Matrix Monitor is a feature of Milestone XProtect that allows distributed viewing of video from any camera on any monitor
- Using the Milestone XProtect management client, the user can add one or more Matrix Monitor under Matrix Configurations

Sending a live feed to Matrix Monitor

 Right click on a live view. A dropdown will be displayed. Select [Please select matrix monitor].



Sending a live feed to Matrix Monitor

 The list of Matrix Monitors available will be shown. Select the Matrix Monitor that you intend to send the live feed to.



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Sending a live feed to Matrix Monitor

🗢 Milestone XProtect Smart Client		3/8/2018 2:46:45 PM 💶 💻 🖊			
Live Playback Sequence Explorer Alarm Manager 🕲 Sys	tem Monitor	<i>व</i> ┿ 0 0 ☆ १			
XProtect < Matrix + 2 + Alarms	•	Setup 🔀			
Views Views Views Envirolle Envirolle Z + Alarms Matrix + 2 + Alarms	Matix window:1	ks: 1-band dox (U2.0.48)* Crimer 1 Urs			
	Princhy Lavel State Name Princhy Lavel Name Princhy Lave	Reports 1-41 Faller V e Message Suice Owne Molino Rheeticet XXIS A8105-E (10.3.0.142) Message Message Molino Rheeticet XXIS A8105-E (10.3.0.142) Message Message Molino Rheeticet XXIS A8105-E (10.3.0.142) Message Message Molino Rheeticet XXIS A8105-E (10.3.0.142) Message Message	Milestone XProtect Smart Client Veve Playback Sequence Expl XProtect	orer Alarm Manager ør System Monitor Matis + 2 + Alama Axtis A 8105-E (10.3.0.142) - Camera 1	3/6/2015 2:47:27 PM 🕒 💌 🗶
			Private Private Private 2 + Alarms Marix + 2 + Alarms New View (1 x 1) New View (2 x 2) New View (2 x 2)(2) the SACCF The Constants	Door	
After receivin	a				
command fro NUCLEUS	m		AXIS N3005-E (10.3) AXIS M3044-V (10.3) Canoro VB-M40/H41 Camera (10.3.0.223)		H SEE
			MUN-G7EVIBR5757 All event types Camera Record Test Event O Trigger	Autore Imme Quick Filters Imme ▼ New (44) Imme ▼ Incoverses (f) Imme Imme 2.47.02 PM 3/8/2018 ▼ Incoverses (f) Imme Imme Imme 2.46.46 PM 3/8/2018 Imme Imme Imme <t< td=""><td>Triggotti 1-44 Hutor Priority Level State Level State Name Message Source Owner 2 1 New Motion Detected ANIS A8105-E (10.3.0.142) - 2 1 New Motion Detected ANIS A8105-E (10.3.0.142) - 2 1 New Motion Detected ANIS A8105-E (10.3.0.142) - 2 1 New Motion Detected ANIS A8105-E (10.3.0.142) - 2 1 New Motion Detected ANIS A8105-E (10.3.0.142) -</td></t<>	Triggotti 1-44 Hutor Priority Level State Level State Name Message Source Owner 2 1 New Motion Detected ANIS A8105-E (10.3.0.142) - 2 1 New Motion Detected ANIS A8105-E (10.3.0.142) - 2 1 New Motion Detected ANIS A8105-E (10.3.0.142) - 2 1 New Motion Detected ANIS A8105-E (10.3.0.142) - 2 1 New Motion Detected ANIS A8105-E (10.3.0.142) -

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- NUCLEUS can display Milestone XProtect Alarms
- Alarm status can be changed via NUCLEUS

- Note that not all Milestone Alarm features are supported
- Read NUCLEUS Milestone XProtect Integration Specifications for supported features

Typical alarms in the Milestone XProtect Smart Client

Alarms	Nev	w (Filter Applied)								Reports	1-22	Clear filter	Filter N	~
Quick Filters		Time	Priority Level	State Level	State Name	Message	Source	Owner	ID					4
V New (22)		2:28:01 PM 3/8/2018	2	1	New	Motion Detect	AXIS A8105-E (10.3.0.142) ·		164773					
		2:27:00 PM 3/8/2018	2	1	New	Motion Detect	AXIS A8105-E (10.3.0.142) ·		164772					
Y In progress (0)		2:26:40 PM 3/8/2018	2	1	New	Motion Detect	AXIS A8105-E (10.3.0.142) ·		164771					
Y On hold (0)		2:26:35 PM 3/8/2018	2	1	New	Motion Detect	AXIS A8105-E (10.3.0.142) -		164770					
▼ Closed (0)		2:26:11 PM 3/8/2018	2	1	New	Motion Detect	AXIS A8105-E (10.3.0.142) ·		164769					
Servers		2:25:47 PM 3/8/2018	2	1	New	Motion Detect	AXIS A8105-E (10.3.0.142) ·		164768					
A WIN-G7EVIBR5757		2:25:28 PM 3/8/2018	2	1	New	Motion Detect	AXIS A8105-E (10.3.0.142) ·		164767					
		2:24:56 PM 3/8/2018	2	1	New	Motion Detect	AXIS A8105-E (10.3.0.142) ·		164766					
		2:24:31 PM 3/8/2018	2	1	New	Motion Detect	AXIS A8105-E (10.3.0.142) ·		164765					1
		2:24:21 PM 3/8/2018	2	1	New	Motion Detect	AXIS A8105-E (10.3.0.142) ·		164764					
		3:07:56 PM 3/6/2018	1	1	New	Motion Detect	Axis 1 channel device (10.3.)		164762					T

The same list is show in NUCLEUS under Milestone Alarm List

Alarms						
Milestone Alarm List						
Name	Local Id	State	Time 🔻	Source_ms_alarm		
State: New (10 Alarms)						^
TestAlarm1	164773	New	14:28:01 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	164772	New	14:27:00 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	164771	New	14:26:40 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	164770	New	14:26:35 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	164769	New	14:26:11 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	164768	New	14:25:47 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	164767	New	14:25:28 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	164766	New	14:24:56 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TactAlarm1	164765	New	1/1.2/1.21 08 03 2018	AVIC AR105-F (10 2 0 1/2) - Camera 1		Ψ.

- NUCLEUS automatically opens the callout for the device associated with the alarm
- User can view all alarms associated with the device
- User can change the status of the alarm in the callout



- User can also change the status of Milestone alarms under Milestone Alarm List.
 - Select one or multiple rows
 - Right-click and choose the new status

Alarms							
Milestone Alarm List							
Name	Local Id	State	Time 🔻		Source_ms_alarm		
State: New (68 Alarms)							Â
TestAlarm1	164831	New	15:08:47	7 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	164830	New	15:06:12	2 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	164829	New	15:01:55	5 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	Change Alarm	State to New		08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	Change Alarm	i State to In Prog	ress	3 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	Change Alarm	1 State to On Hol	d	3 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	Change Alarm	State to Closed		08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	164824	New	14:57:21	1 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
TestAlarm1	164823	New	14:56:21	1 08.03.2018	AXIS A8105-E (10.3.0.142) - Camera 1	۲	
Test∆larm1	164822	New	14.55.40	0 08 03 2018	ΔΧΙς ΔR105-F (10 3 0 142) - Camera 1		-

Troubleshooting

NUCLEUS 3D Unified Management System for Smart Buildings and Cities

Milestone Server Not Responding

The following error message indicates that the adapter is unable to contact Milestone Server. Please check that Milestone Server is up, and that network connection between NUCLEUS Milestone Adapter and Milestone Server is not blocked.



For NUCLEUS Support

Email support: Phone support: Website:

support@gelement.com
+65 6254 7978 (business hours only)
https://gelement.com

