

HOW TO

Integration guide for Genetec[™] Security Center and AXIS Object Analytics

January 2022



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Introduction

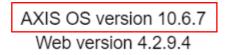
This document explains how to integrate AXIS Object Analytics events into Genetec™ Security Center.

Axis takes no responsibility for how this configuration may affect your system. If the modification fails or if you get other unexpected results, you may have to restore the settings to default.

1 AXIS Object Analytics

1.1 Step 1 – Prepare AXIS Object Analytics

- 1. Make sure that the camera's firmware version is 10.2 or higher.
- 2. It is recommended to ensure that AXIS Object Analytics has been configured and running on the camera, before building out the rules in Genetec.

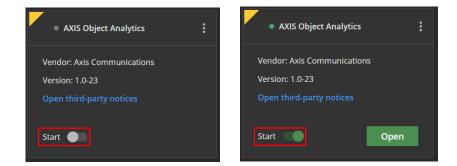


1.2 Step 2 – Enable AXIS Object Analytics on the camera

- 1. In a web browser, go to the camera's user interface.
- 2. Click Apps.



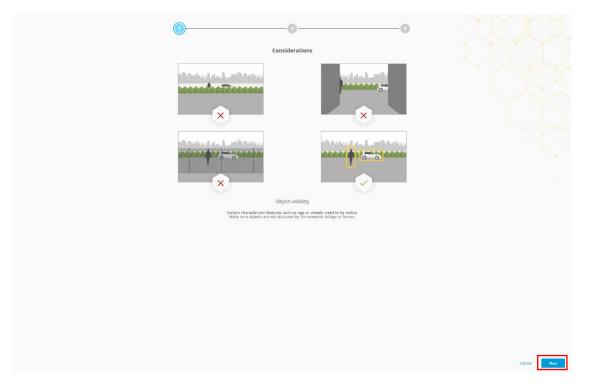
3. Start and open AXIS Object Analytics on the camera.



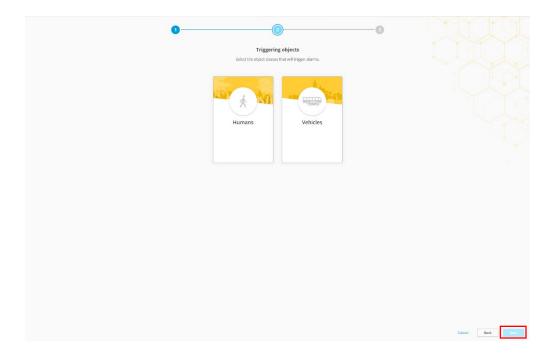


1.3 Step 3 – Configure AXIS Object Analytics

1. Follow the step-by-step guide in the application's user interface.



2. Select triggering objects.

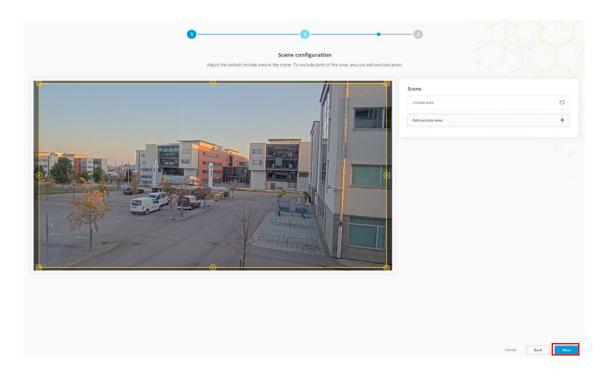




3. Select trigger conditions.

Trigger condition	
Select the condition that will trigger alarms.	
Object in area Trans where a tright mere Big defined area	
	Cancel Beck Him

4. Configure the trigger condition for your scene within the camera's field of view.

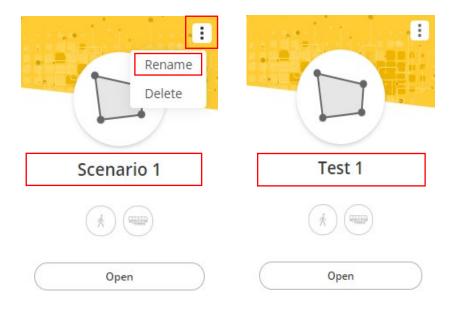




5. Verify your settings.

O O Verify your settings Cite from to save your first dename.	
Humans and vehicles Diget in arree	
	Cancel Back Present

6. You can rename your scenarios to make the trigger conditions easier to find.



NOTE: When you have completed the step-by-step guide, configure the perspective calibration for the scene that has been created.



1.4 Step 4 – Enable metadata overlay

- 1. In AXIS Object Analytics, click settings.
- 2. In Advanced > Metadata overlay, select the desired resolution to burn in the metadata overlay.

enarios Settings Help			Å
Preferences	Advanced		
Measurement units how length in fee, and inches (impertuil system) or meters and certaineters (medic system). Impertuil VentC	Metadata overlay Show a rectangle around objects that trigger alarms. The rectangle is only visible in selected resolution. The setting applies to all scenarios.	live views and recordings of the Disabiled	
hare usage data Share non-personal usage data with Auls Communications AB. This helps us improve the application and user experience. Read more	Perspective Calibrate the perspective to avoid false alarms in scenes with significant depth.		
hare feedback	Create	+	
Allow us to ask for your feedback.	Expose additional settings Filters for scenarios triggering on classified objects.		
i tep-by-step guide You want to run the step by step guide again, click Start. Karning: This resets your current configuration?			
Start			

Advanced

Metadata overlay

Show a rectangle around objects that trigger alarms. The rectangle is only visible in live views and recordings of the selected resolution. The setting applies to all scenarios.

	Disabled 🔻
Perspective Calibrate the perspective to avoid false alarms in scenes with significant depth.	 Disabled 16:9 1920x1080
Create	1280x720
	1024x576 800x450
Expose additional settings	640x360
Filters for scenarios triggering on classified objects.	480x270 320x180
and the second shall be a second shall be a second	160x90
	4:3

Advanced

Metadata overlay

Show a rectangle around objects that trigger alarms. The rectangle is only visible in live views and recordings of the selected resolution. The setting applies to all scenarios.

	1920x1080
Perspective	
Calibrate the perspective to avoid false alarms in scenes with significant depth.	
Create	+
Expose additional settings	
Filters for scenarios triggering on classified objects.	

3. The selected resolution will be used for both for the live view and the recordings.

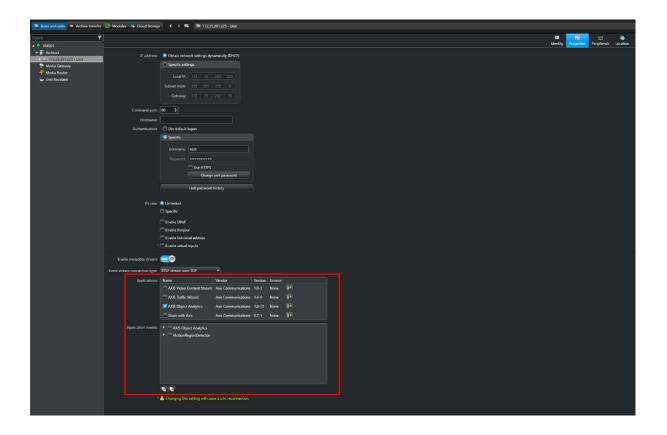
NOTE: We recommend that you use the same resolution for recordings as for the metadata overlay



2 Genetec[™] Config Tool

2.1 Step 1 – Enable AXIS Object Analytics events

- 1. When you have installed and added the camera to Genetec, go to the Security Center to enable AXIS Object Analytics events.
- 2. Open Video/Roles and units.
 - a. Go to the Archiver, then to the Unit, and select Properties.
 - b. Select the camera that is running AXIS Object Analytics and has been configured with scenarios.

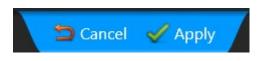




- 3. Select AXIS Object Analytics and enable the following:
 a. Xinternaldata (this can be turned off depending on system configuration).
 b. AXIS Object Analytics: Test 1 (or the scenario that has been created.

Enable metadata stream:							
Event stream connection type:	RTSP stream over TCP	-					
Applications:	Name	Vendor	Version	License			
	AXIS Video Content Stream	Axis Communications	1.0-3	None	X+		
	AXIS Traffic Wizard	Axis Communications	1.4-9	None	X		
	AXIS Object Analytics	Axis Communications	1.0-23	None	3		
	Share with Axis	Axis Communications	0.7-1	None	X>		
Application events: Application events: AXIS Object Analytics: Object Analytics: Any Scenario Xinternaldata Object Analytics: Test 1 MotionRegionDetector							
* 🛕 Changing this setting will cause a unit reconnection.							

4. To save the changes, click Apply.





2.2 Step 2 – Configure AXIS Object Analytics events

- 1. Within Archiver, select the camera that has AXIS Object Analytics configured.
- Go to Relationships and select Actions.
 To add the Event to action, click +

🔂 Config Tool 👘 Video	×
📚 Roles and units 📼 Archive transfer	🔄 Modules 🔹 Cloud Storage < > 🙀 👼 172.25.201.225 -
Search 📍	
4 🥥 VMS01	Identity
🔺 🗐 Archiver	Type: Camera
4 🌑 172.25.201.225 - Unit	
🗔 172.25.201.225 - Camera - 01	lcon: 🖬 ' 🔻
172.25.201.225 - Camera - 02	Name: 172.25.201.225 - Camera - 01
🍞 Media Gateway	Description:
न Media Router	
🗞 Unit Assistant	Logical ID: 1
	Relationships: 🕢 📼 172.25.201.225 - Camera - 01
	🕨 🧊 Part of
	🔺 🔝 Controlled by (1)
	🔷 172.25.201.225 - Unit
	Actions (0)
	1 No information to display
	🕨 🚔 Role



Step 3 – Configure Event to Action sequence 2.3

- Select AXIS Object Analytics and the scenario.
 Select the action that needs to be configured.
 Select the type of alarm that has been created.

Event-to-action		8
When:	ـ	occurs
	Search]
Action:	💸 Adaptive motion detection abnormal 🛛 🗧	
	💸 Adaptive motion detection normal	
Effective:	📕 Adaptive motion triggered	
Enceuver	Archiving queue full	
	🏴 Audio alarm	
	Audio analytics event Cancal	ave
	🏴 AXIS Object Analytics: Object Analytics: Any Scena	
	🏴 AXIS Object Analytics: Object Analytics: Any Scena	
	📕 AXIS Object Analytics: Object Analytics: Test 1 Off	
	🏴 AXIS Object Analytics: Object Analytics: Test 1 On	
	🏴 AXIS Object Analytics: xinternal_data	
	Block camera started	

Event-to-action		8
When:	AXIS Object Analytics: Object Analytics: Test 1 On Specify a condition	• occurs
Action:	🧕 Trigger alarm	•
Alarm:	🧧 Test Alarm 🔹	
Effective:		
	Cancel	Save



- 4. Configure an Alarm recipient.
 - a. Within the Alarms section, create the recipients list to receive the notification on the alarm.
 - b. List the action to take once the alarm has taken place.

🔂 Config Tool 🛛 🖬 Video	🥝 Alarms 🛛 🕹
Alarms 😤 Monitor groups 🔇	> 📫 🧶 New alarm
Search 📍	
🥹 New alarm]
	Type: Alarm
	Icon: 🧕 🔻
	Name: New alarm
	Description:
	Logical ID: 1
	Relationships:
	Actions
	+ × / X+)

🚯 Config Tool 🖉 🗉 Video	🧟 Alarms 🛛 🕹	
🧧 Alarms 🖙 Monitor groups 🔇	> 📫 🧕 New alarm	
Search Y Monter groups New alarm	Type: Alarm Icon: • • Name: New alarm Description:	Event-to-action When: Alarm triggered occurs
	Relationships:	Action: Trigger alarm Alarm: New alarm Effective: Always Cancel Save



The final view of the Actions that have been configured:

Туре:	Camera
lcon:	
Name:	172.25.201.225 - Camera - 01
Description:	
Logical ID:	1
Relationships:	172.25.201.225 - Camera - 01 Part of Controlled by (1) 172.25.201.225 - Unit Actions (1) Trigger alarm (Test Alarm) when Custom event Role
	(+ 🗙 🥒 X+)

3 Genetec[™] Security Center





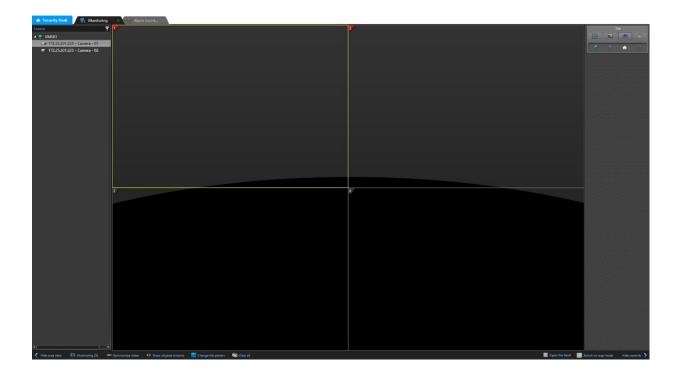
3.1 Step 1 – Receive AXIS Object Analytics events

1. In the Security Center, in Tasks, configure the live view and the alarming view.

[Operation												
Tasks													
Private tasks				nh s+									
Public tasks	Monitoring	Maps	Alarm monitoring	Dashboards	Health dashboard	Remote							
Tools												0 0	
Options	*											-¥-	
About	Archives	Bookmarks	Motion search	Camera events	Video file explorer	Forensic search	Intrusion detection ar	Transactions	Alarm report	Incidents	Zone activities	Records	Security video analytics
				00000									
				**	-	-			-	2			
	System status	Audit trails	Activity trails	Health history	Health statistics	Hardware inventory	Camera configuration	Archiver events	Archiver statistics	Archive storage details	Intrusion detection u	Wearable camera evidence	

3.2 Step 2 – Receive AXIS Object Analytics events within the Monitoring View

1. Add the camera views to the tile grid.



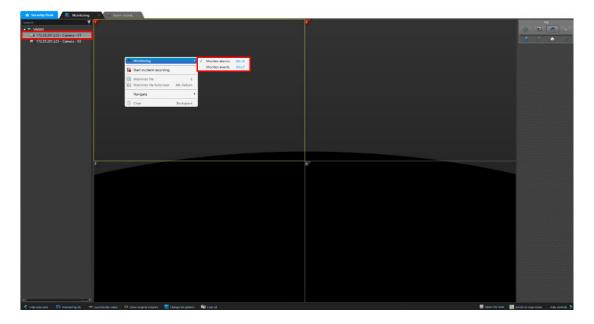


2. To get the Metadata overlay into the live view and recording view, configure the resolution of the live view to the resolution selected in AXIS Object Analytics.



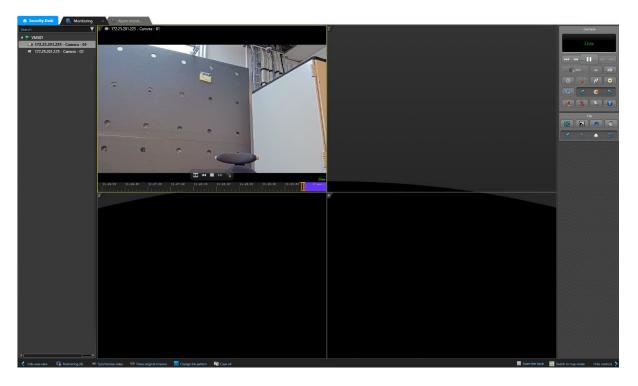
Stream: Default (Live) Encoding: H.265/HEVC Resolution: 1920 x 1080 pixels Frame rate: 25 fps Bit rate: 97,1 kbit/s Source IP: 172.25.201.51:560 Network transport: Unicast TCP RTP packets lost: 0 Encryption: No Show video stream diagnosis

3. To configure the tiles to display live view or alarming views, right-click the tile.

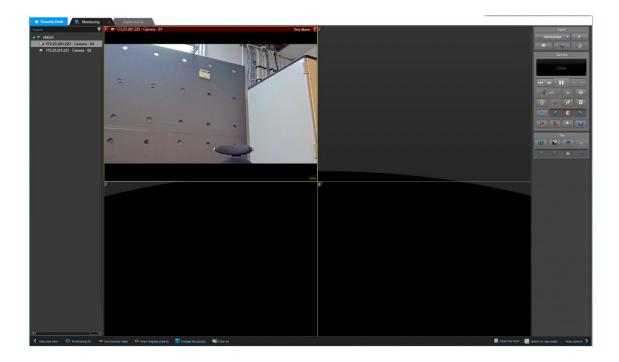




Live View

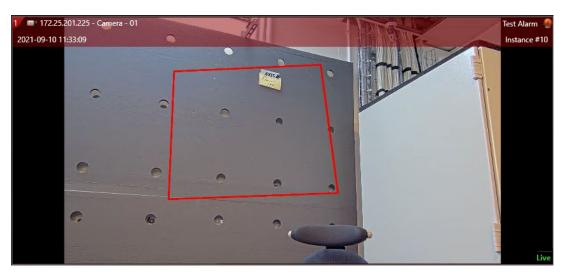


Live View with active alarm





Live View with active alarm and burnt-in metadata



Standard Alarm monitoring view

🔥 Security Desk 💦 Monitoring 💦 Alarm monit 🗙			386.000	
Start alerns auto-forward >> Trigger slams ID Alarm Priority Alarm color Source Triggering event	Trigger time		0 items Context	
no warm Priority warm color source Inggening even	ingge time	aute	Comen	
7	2			Tae
				18 R 4 7
				4 5 6 9
	*			
Charge the pattern				



3.3 Step 3 – Acknowledge AXIS Object Analytics events

- The AXIS Object Analytics events will be sent and displaying in the Alarm Monitoring view.
 You can review the Event and acknowledging and clear the event that triggered.

