

Axis Guardian Operation in Manitou

01/10/2024 12:36 pm EST

Overview

The goal of this integration is to receive alarms sent FROM Axis Guardian cloud-hosted video platform into Manitou so that they can be handled by an operator. The operator would be able to click on a URL link that was sent with the alarm and view the video feed in the Axis web portal.

Alarm Path

The alarm will propagate as follows:

- A new alarm will be sent from Axis via HTML POST to a web-server running the WebHookPost application
- A signal file will be created on the server hard-drive
- Media Gateway will read the signal file and process it
- A new alarm will be created and sent to the FEP via a BOLDXML receiver
- The FEP will send the signal to the Signal Handler via the Marshaller
- The Signal Handler will process this and apply any programming needed once it finds the account
- The alarm will be written into the database

An example of the Raw Data Log:

Raw Data Log Detail

Date	Sep 04, 2019 12:18:40
FEP No	1
Receiver No	2
Line No	5555
Rec. Line Des.	MG
TX ID	51789A
Data Code	MGWXML
Event Data	<pre><?xml version="1.0"?><Packet ID="51789A" Line="5555"><Signal EvType="SIA" Event="BA"><Zone>2</Zone> <PointID>topic:event_notification/trigger/http, videosource:1</PointID> <URL>https://demo.hosted.axis.com/alarmlrouter/forward? deviceid=ACCC8EC8C720:1&timestamp=1567621105000000&userid=tprescott</URL> <Comment>topic:event_notification/trigger/http, videosource:1</Comment></Signal></Packet></pre>

PREVIOUS

NEXT

OK

Handling the Alarm

Handling the alarm should auto-launch a web page taking you to the Axis portal. The event video clip can be watched as well as live video. It is also possible in the portal to view other cameras on the site.

The first time an operator launches a video they may have to log in. Axis uses a session token that is time limited. It is cached, so subsequent video launches go straight to the video player.

We display the zone the alarm comes from as well as the reason for the alarm which is listed in the Point ID.

The zone description is not sent as part of the Axis payload. If a corresponding zone is created on the account and given a description it will be displayed.

The screenshot displays the (AXIS) Axis AVHS - BA (Burglary Alarm) interface. The top navigation bar includes a home icon, a list of icons, and a search bar. The main content area is divided into several sections:

- Alarm Details:** A table showing alarm information. The 'Point ID' is highlighted in yellow. The 'Event Category' is 'BURG - Burglary'.
- Action Pattern - G4 (1/4):** A list of actions: 'CALL THE CUSTOMER', 'CALL THE AHJ', 'CALL THE RESPONSIBLE PARTIES', and 'CLOSE THE ALARM'.
- Devices List:** A table showing the device 'Axis AVHS - 1234 WINDCHIME PL, Colorado Springs, Colorado 80919-1984'.
- Customer Activity Log:** A table showing the log of events. The 'Log Description' column is highlighted in yellow. The log shows an alarm event on 09/04/2019 at 12:18:40, followed by a manual allocation and a response.

Date	Time	Log Description	User ID
09/04/2019	12:18:40	ALARM - Burglary Alarm (BA) Topic: event_notification/trigger/http_videosource:1 S: 1 A: 1 Z: 2 RL: MG TX ID: 51789A Key BA 02: 2	
09/06/2019	12:18:40	BINARY - URL	
09/06/2019	12:49:44	ALLOCATED - Burglary Alarm (BA) - Manual	TOBYPR
09/06/2019	12:49:44	VIEWED - Burglary Alarm (BA) - Response [48:31:04]	TOBYPR