AXIS Optimizer

Automated actions for Axis devices

What it does
Automated actions for Axis devices

What it's called
Event server plugin

When it's available
Globally available for free as a tested plugin and capability included in AXIS Optimizer version 4.0.

Why this plugin
This capability makes it easier to automate actions on Axis devices, ie."run wiper on all PTZ cameras with wiper support" or "turn on heater for all outside fixed box cameras". It further supports automation on one or many cameras simultaneously. This simplifies the work tasks and allows customers to further automate their operations.

For whom
Axis-Milestone XProtect system users. For admin roles to set up new automated rules and for operators to enjoy an easier way to perform actions.

Current situation it addresses
Today, managing real time events as a Milestone operator involves performing manual tasks, which heightens risks of mistakes or delays occurring. Performing an action like "turn wiper on" when it rains or "turn heater on" can be a hassle since these types of actions are performed manually on one camera at a time. The consequence of this these tasks can be time-consuming and tedious and, if not done, the video can be useless (e.g., rain on sensor, no IR light activated).
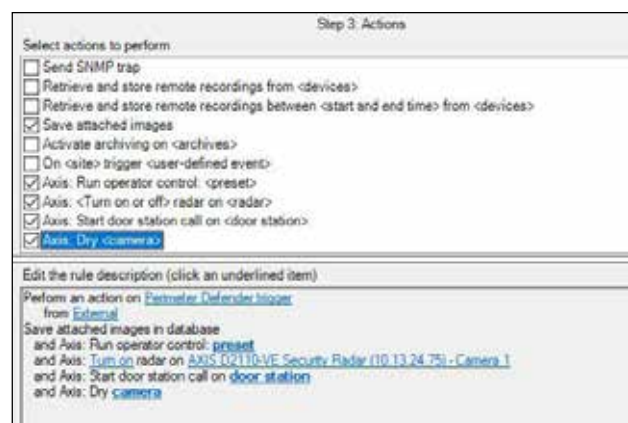
Benefit and value
The event server plugin makes it is possible to create specific rule actions that then can be implemented for one or many Axis devices. This in turn makes it easy to accurately execute desired actions. Operators save time, and the risk of manual errors occurring is significantly lower.

When used together with custom operator controls (add VAPIX based controls like "start/stop IR", "run autofocus" etc.), customers gain a flexible way of executing actions on Axis devices.

Capabilities and features
Using the event server plug-in there are different types of actions that can be configured to be performed on the Milestone XProtect rule engine, namely:

> Remove water from cameras
> Turn on/off radar (auto-tracking)
> Start Axis Door Station call
> Trigger an Operator Control, e.g.," Turn on/off IR light" or "Turn on/off privacy mask"
> Play audio clip on speakers (release during Q1 2021)

Automated actions based on an AXIS Perimeter Defender event trigger

Requirements
> XProtect 2018 R1 or higher
> Axis device (Turn on/off radar action - firmware 7.15 or higher, Operator controls action - firmware 7.40 or higher)

About Milestone native rule engine
XProtect integrated systems continuously register events, many of which call for an action that can be automated. The XProtect rule engine makes many functions automated to increase operational efficiency by minimizing the need for manual intervention. Many different types of events like lost connection, motion detection and video analytics — can trigger actions like PTZ control, adding a bookmark or start video archiving. All these actions can be time scheduled too. Through AXIS Optimizer, we extend the automation possibilities inside XProtect and open the door for adding many new Axis device specific actions into rule engine. By adding this capability, we cover many new use cases by taking advantage of all available events.