innoVi WebHook API Guide

Change Log

Date	Version	Change
July 2020	1.2	Initial version
September 2020	1.3	Add IP address

Contents

1. General

A WebHook (also called a web callback or HTTP push API) is a way for a certain app to provide 3rd party applications with real-time information. Unlike typical APIs whereby the 3rd party application needs to poll data very frequently to receive information in real-time. This makes WebHook much more efficient for both the originating app and the receiving 3rd party application.
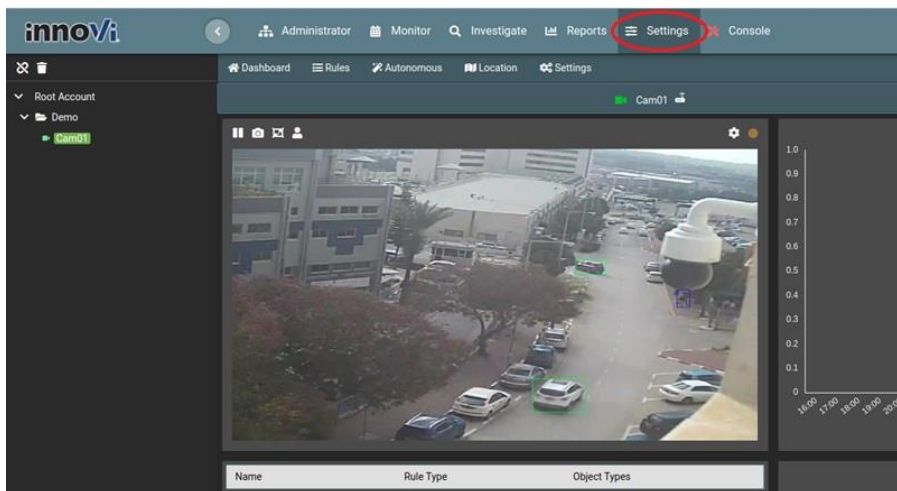
2. innoVi WebHook

innoVi WebHook API is designed to push events detected in real-time to 3rd party applications by invoking HTTP POST requests to the endpoint, provided by the 3rd party application.
The innoVi WebHook API is designed to support many 3rd party applications by providing a highly customized data transformation mechanism (using a template engine) to enable the user to design the data structure in line with their needs, rather than re-writing their existing HTTP endpoint (which is not possible in cases where the user employs a closed commercial package without the ability to modify the API).
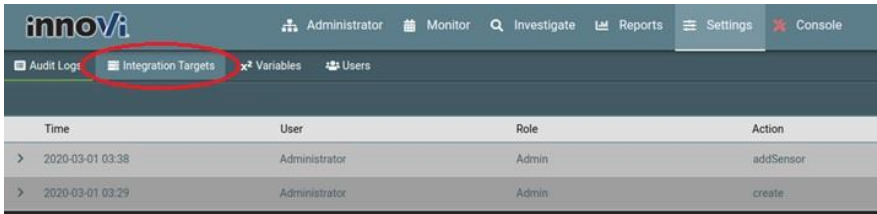
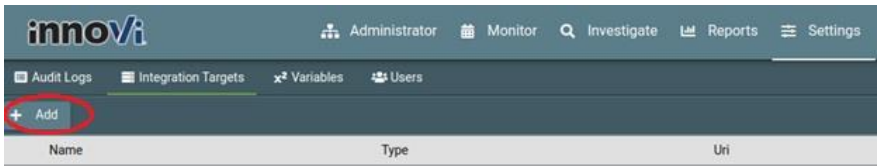# 3. Using innoVi's WebHook API

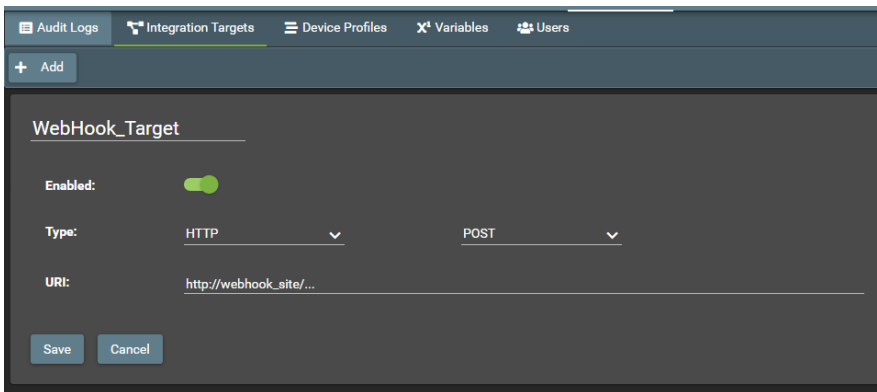## 3.1.   Define Integration Target

Log into your innoVi account:

Select **Settings**:

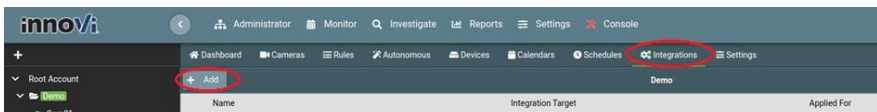Select **Integration Targets**

Select **+ Add**

In this window, configure the endpoint that will listen to the event metadata:

- Provide a **name** (in this example: WebHook_Target)
- Turn **Enabled** on
- Select a **Type** and **Method**: HTTP and POST (in some rare cases the third-party system may require a different method such as PUT or GET)
- Enter **URI**: address of the service that will listen to the events. The URI schema must be http or https
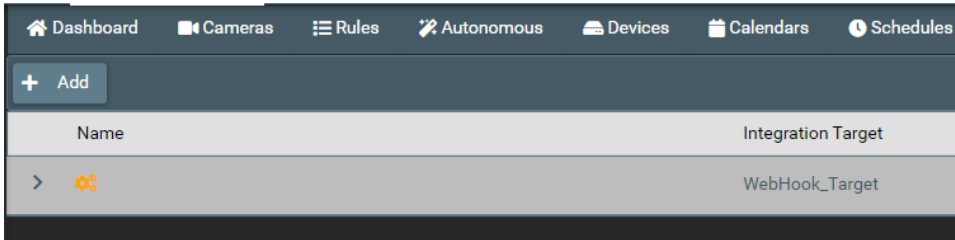- Select **Save**

3.2. Define Integration Action

Define an integration action that will be associated with the Integration Target you have previously defined.
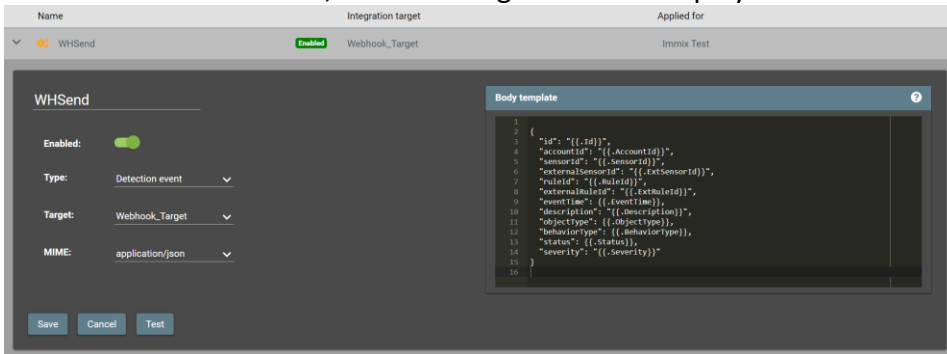
Locate the folder in which the cameras are defined:

Select the folder, select **Integrations**, select **+ Add**. The integration will be displayed in a single line:

Click the left-hand arrow, the following window is displayed:

Configure the action with the following parameters:
- Provide a **name** (in this example: WHSend)
- Turn **Enabled** on
- In the **Type** field, leave the value **Detection event** as is
- In the **Target** field, select the Integration Target you have previously defined (in this example Webhook_Target)
- Select **MIME Type** as required by the integrated system
- Create a body template with the information you are interested to receive
- Select **Save**

3.3.   Test the integration

Note: innoVi outbound traffic is sent over NAT with public IP 34.90.111.200. Ensure your firewall settings allows incoming traffic from this IP address

Generate analytics events in innoVi and verify they are reaching the target system

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