Hanwha Vision

TRITON

Wisenet WAVE VMS
Enrollment
Integration Guide

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Enrollment
Integration Manual

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Summary

Triton sensor products are multi-functional health and safety detection devices that accurately identify the use of drugs and other unwanted behaviors without the use of visual, audio, or other personally identifiable data. These models are trusted to safeguard bathrooms, common rooms, dormitories, and more.

This manual describes how to enroll Triton products into Wisenet WAVE VMS and how to initiate and use API Triggers within Wisenet WAVE VMS. It is important that this manual is read and understood to ensure proper functionality of the integrated products, as it explains how to use the products described based on their factory default settings.

This document is subject to change without prior notification to users, depending on the updates to product software and company policies.

This document assumes that the reader is using an already installed instance of Wisenet WAVE VMS. To learn more about Wisenet WAVE VMS, visit: **www.hanwhavisionamerica.com**.

Overview

The Triton Integration for Wisenet WAVE facilitates the real-time detection and monitoring of environmental events.

Environmental Detection and Event Monitoring

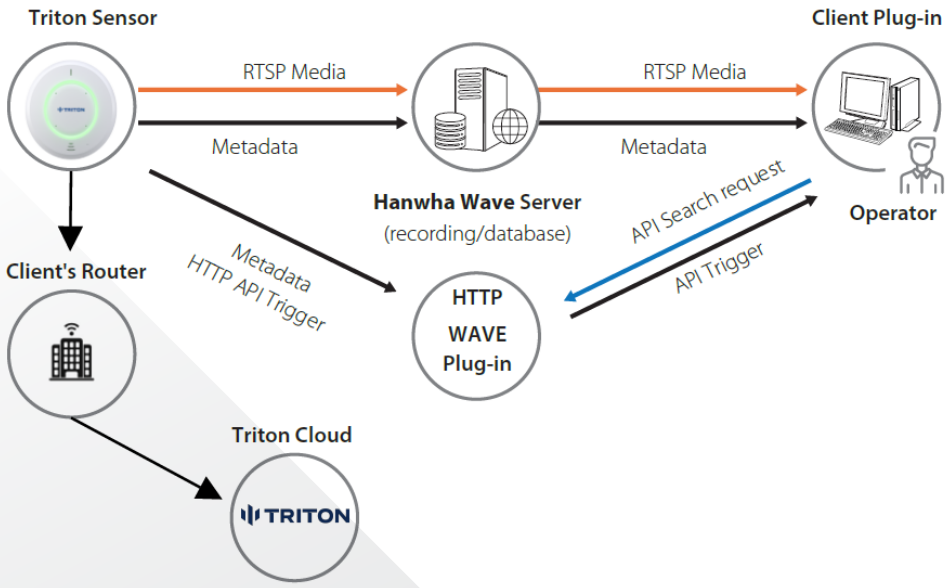
The plug-in facilitates the detection and monitoring of environmental events such as air quality, temperature changes, and vaping from Triton Pro, Ultra, and Vape Sensors. These real-time events are processed and displayed within Wisenet WAVE for comprehensive site monitoring and security management.

RTSP Stream Enrollment for Video and Data Integration

The Triton Intergration provides real-time monitoring of live sensor data alongside corresponding video footage for a more complete situational overview using the sensor's RTSP streaming capability.

API Integration for Enhanced Functionality

Using an API-based connection allows the Wisenet WAVE VMS platform to receive sensor data, issue commands, and trigger alerts or actions based on predefined environmental conditions.



Usage

Integrating Triton products within Wisenet WAVE VMS allows users to:

- **Search for object detection events (such as vape detection or other events from the Triton Ultra and Pro) and access video playback analyzed via environmental sensors.**
- **Control various camera functions.**
- **Integrate events from the Vape Sensor and Triton Ultra/Pro devices with Wisenet WAVE VMS to manage event triggers and system responses.**

Refer to the following sites for details:

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TRITON

Triton Sensor Setup and Registration

This section of the manual describes how to set up the Triton sensor device and register it within Wisenet WAVE VMS.

Configuring the Sensor

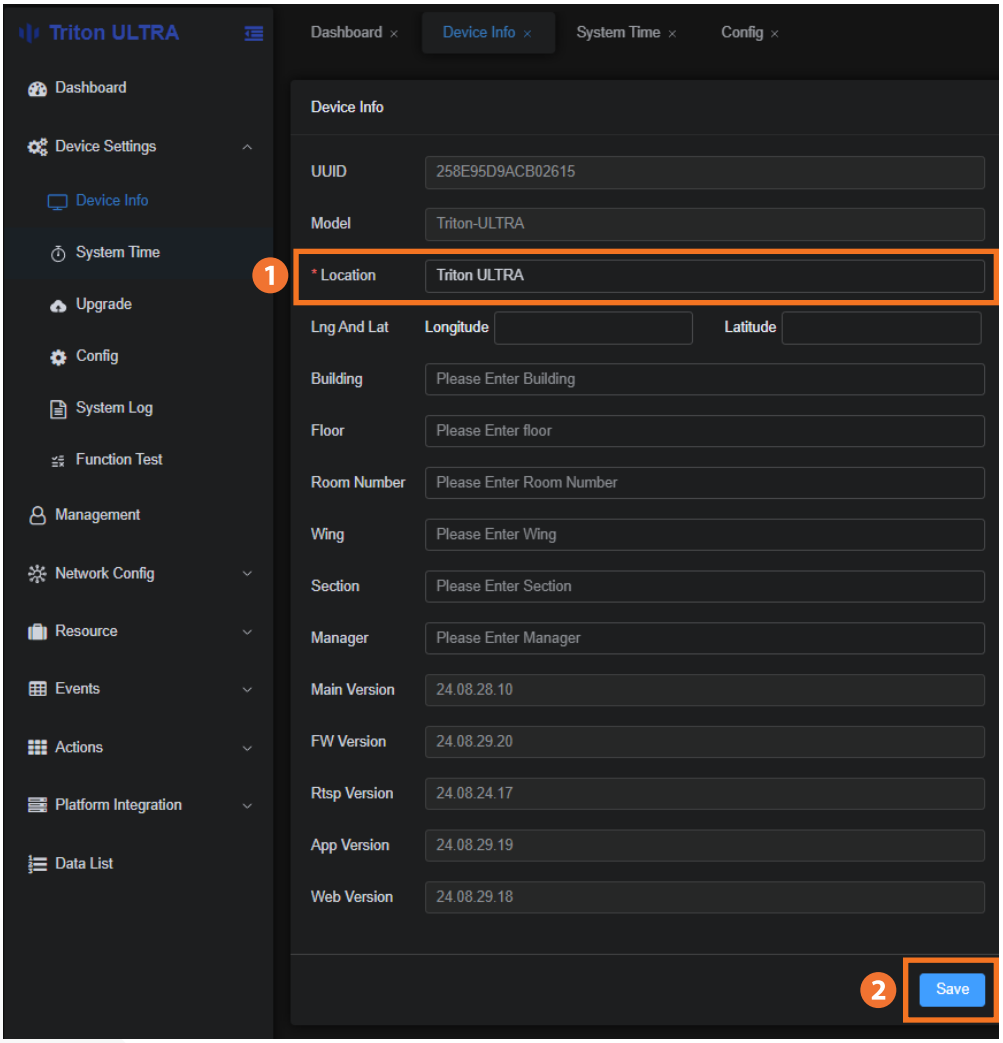
To configure the sensor, complete these steps.

1. Using a web browser, enter the IP address of the Triton Sensor (ex): 192.168.2.105).
2. Enter the device ID and password to log into the web viewer.
3. Select **Device Settings** > **Device Info**.

Naming the Triton Sensor

To name the Triton sensor, complete these steps:

1. Enter a unique device name in the **Location** field to help identify the sensor (i.e., 1st Floor Men's Room West).
2. Click **Save**.

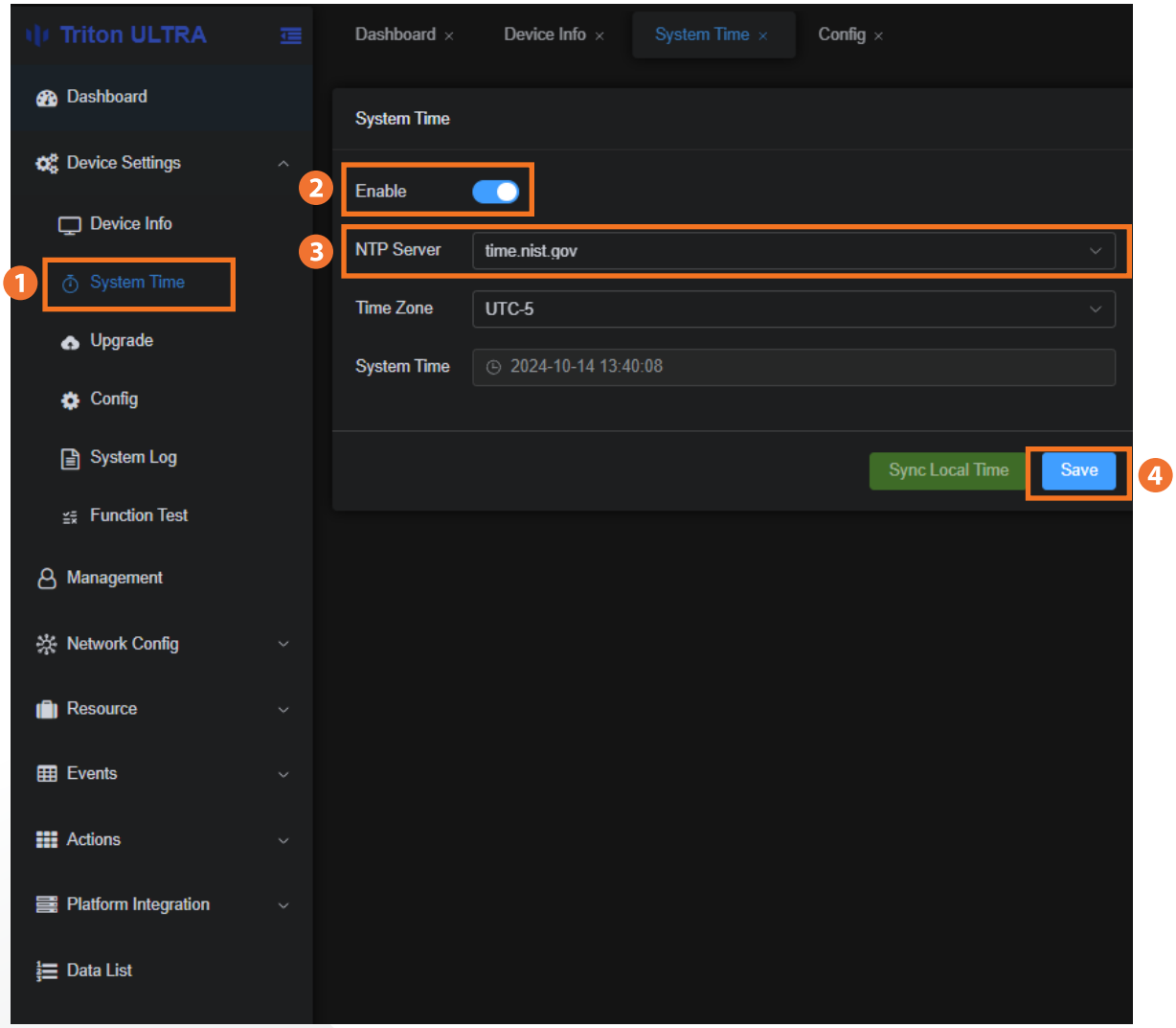


NOTE: Location is NOT equal to Host Name.

Syncing the System Time

To sync the System Time, complete these steps.

1. Click **System Time**.
2. Slide the Enable toggle to engage the system time.
3. Select the desired NTP Server and the correct time zone from the drop-down menu.
   - There is also an option to sync with the local time when machine is connected to the web.
4. Click **Save**.



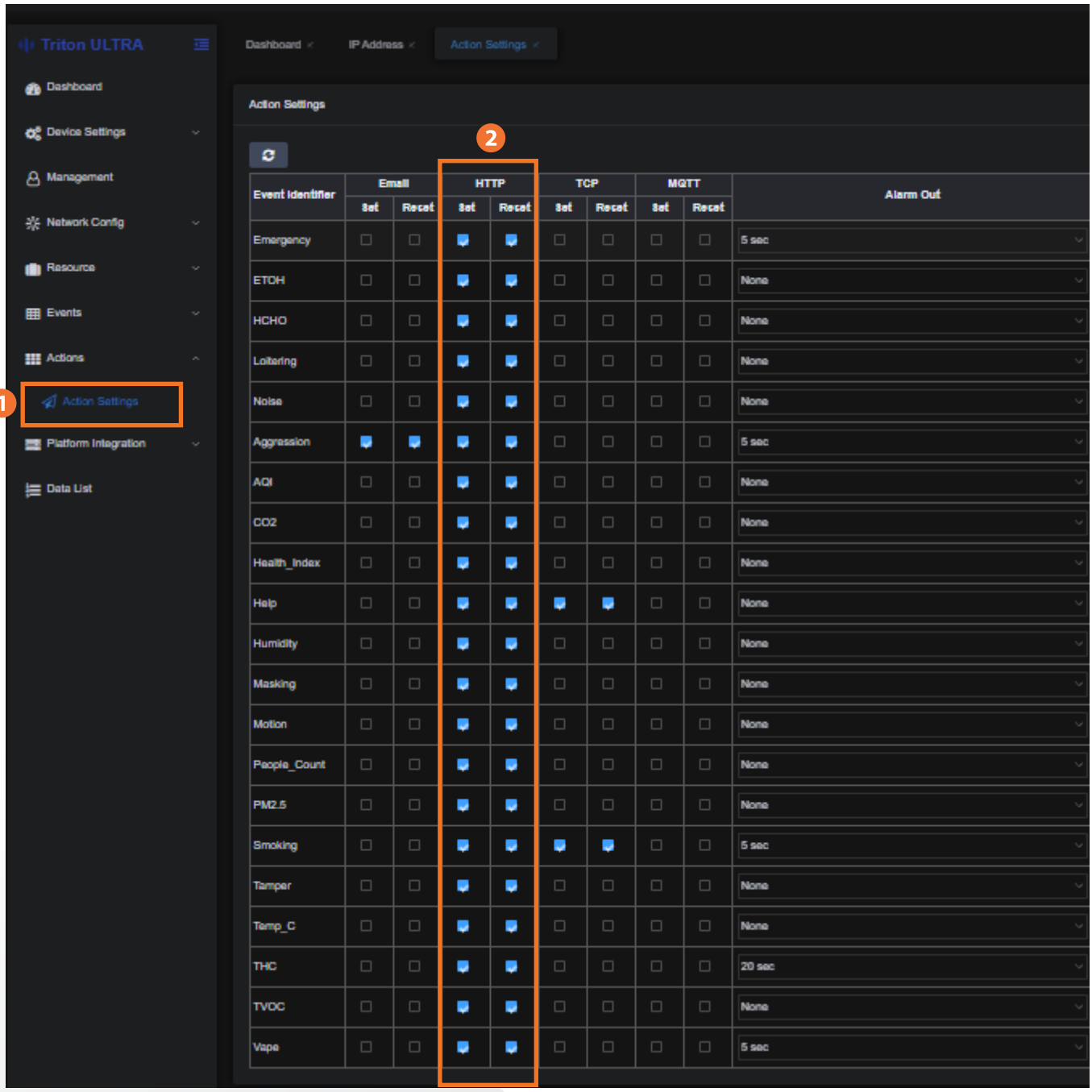
Available NTP Servers

- nist.time.gov
- ntb.etc.int
- europe.pool.ntb.org
- asia.pool.ntb.org
- north-america.pool.ntb.org
- time.windows.com
- time.google.com

Setting the Device Action

To set the device action, complete these steps.

1. Click **Actions** > **Action Settings**.
2. Select **Set / Reset** for all desired HTTP triggers.
3. Save after each trigger selection.

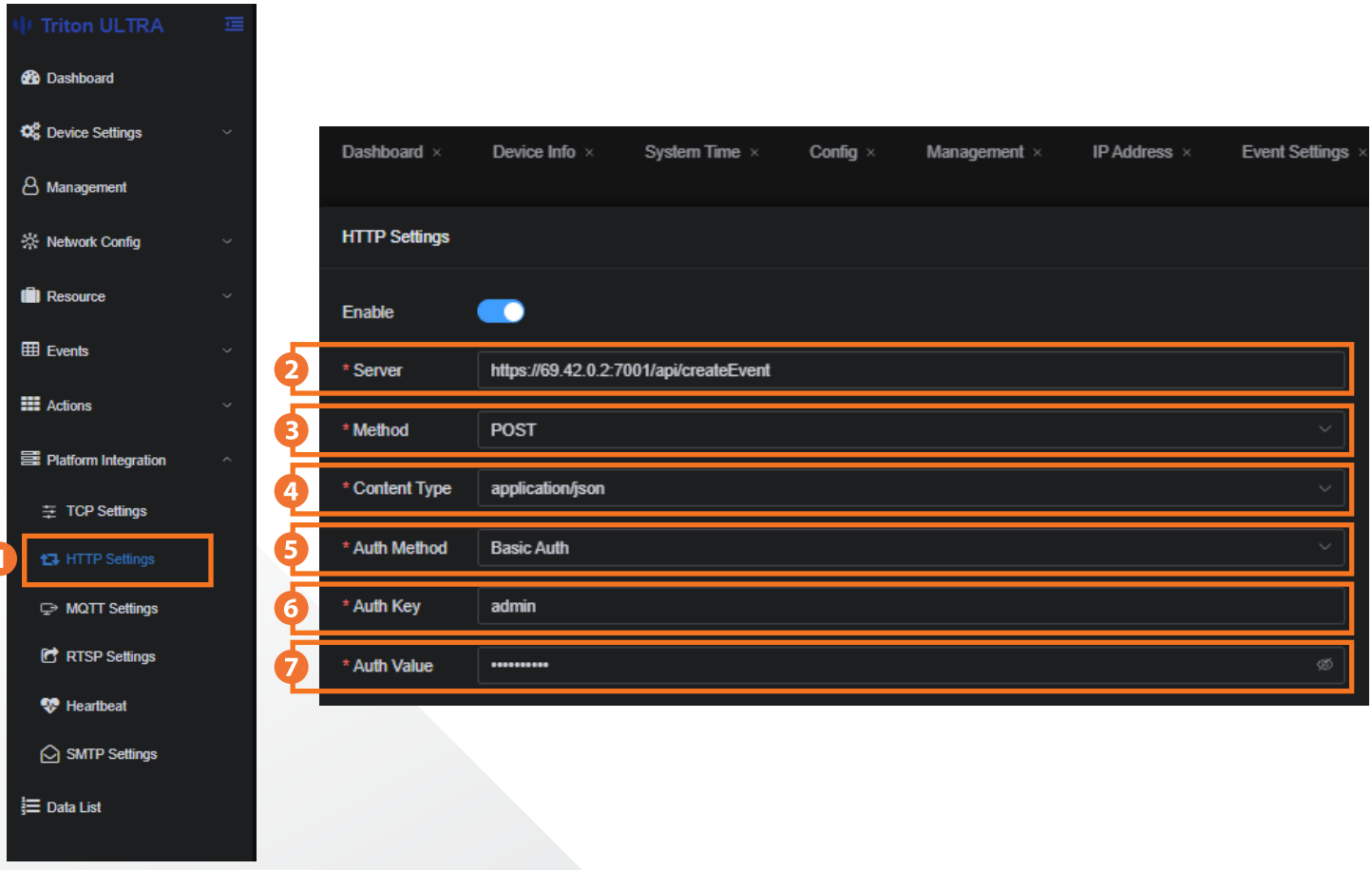


Configuring HTTP Device Settings

To configure HTTP device settings, complete these steps.

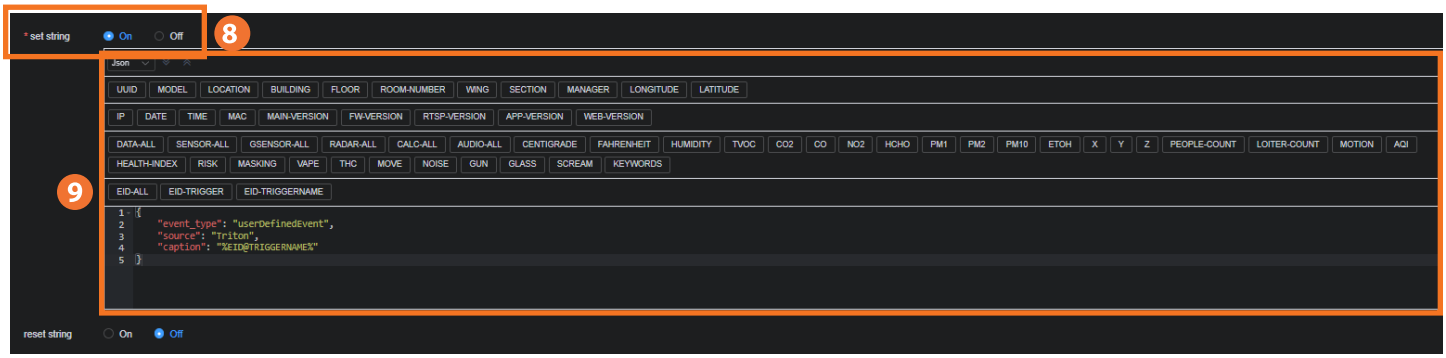
1. Select **Platform Integrations** > **HTTP Settings**.
2. Enter the server name in the **Server** field (i.e., https://<WaveServer:IPAddress>:7001/api/createEvent).
3. Select **POST** from the **Method** drop-down menu.
4. Select **application/json** from the **Content Type** drop-down menu.
5. Select **Basic Auth** from the **Auth Method** drop-down menu.
6. Enter the WAVE Level Admin User information on the **Auth Key** field (create an admin-level Triton user)

   NOTE: To enable the "**Allow Insecure (Digest) Authentication**" option under **UserManagement** > **General Info** to ensure compatibility with Wave configurations.
7. Enter the WAVE user login information in the **Auth Value** field.

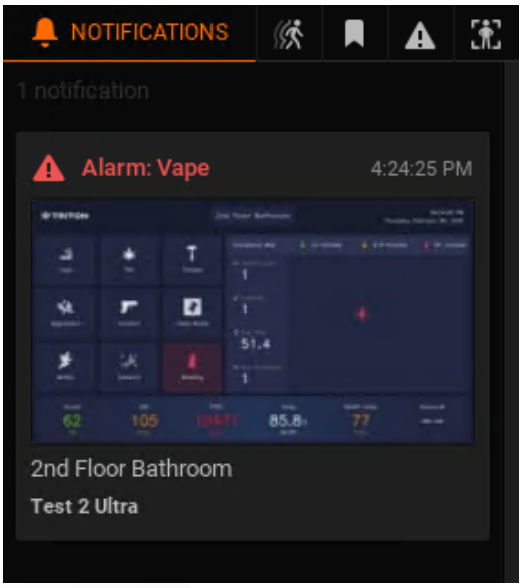


8 Select **On** for **set string**.

9 Enter the script located inside Notes tab.



Two types of JSON Scripts

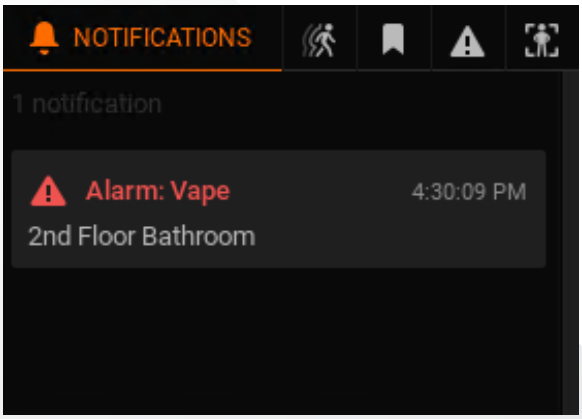


Advanced JSON

Allows users to associate video thumbnails from the linked camera with the **API trigger**, along with **device location**, **event type**, and **timestamp**.

NOTE: Advanced API Integration

```
{
 “event type”: “userDefinedEvent”,
 “source”:<Unique ID>”,
 “description”: “%DEVICE@LOCATION%”,
 “caption”: “%EID@TRIGGERNAME%”,
 “eventResourceId”: “<Camera GUID #>”
}
```



Simple JSON

Includes all the features of the **Advanced** version **except** displaying the **associated camera thumbnail**.

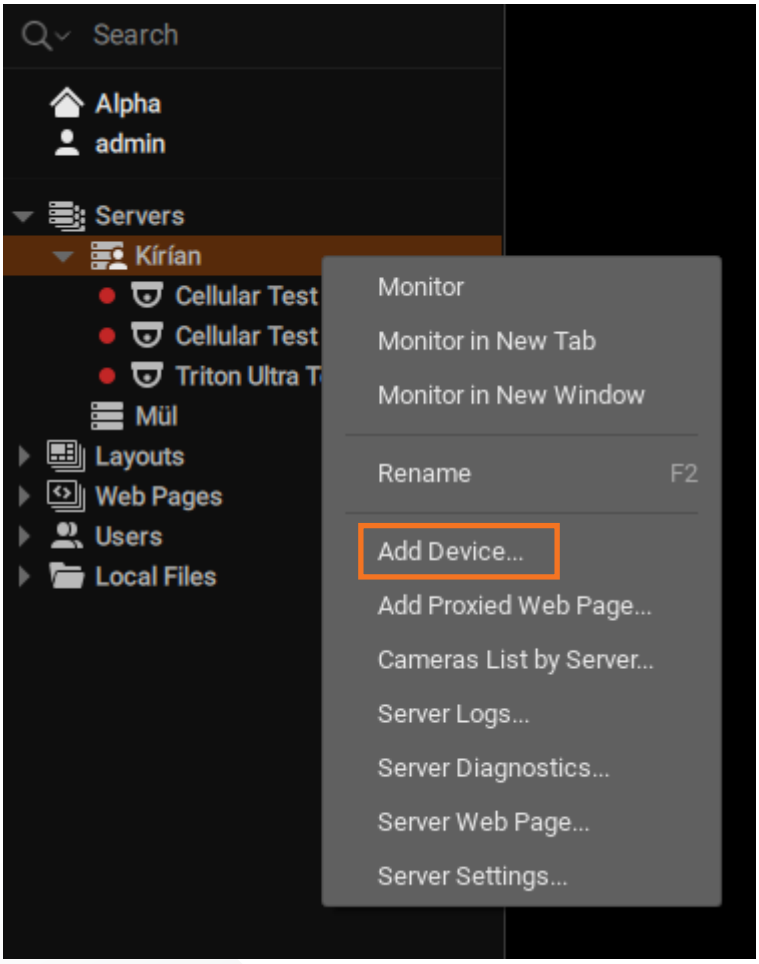
NOTE: Simple API Integration

```
{
 “event type”: “userDefinedEvent”,
 “source”:<Unique ID>”,
 “description”: “%DEVICE@LOCATION%”,
 “caption”: “%EID@TRIGGERNAME%”,
}
```

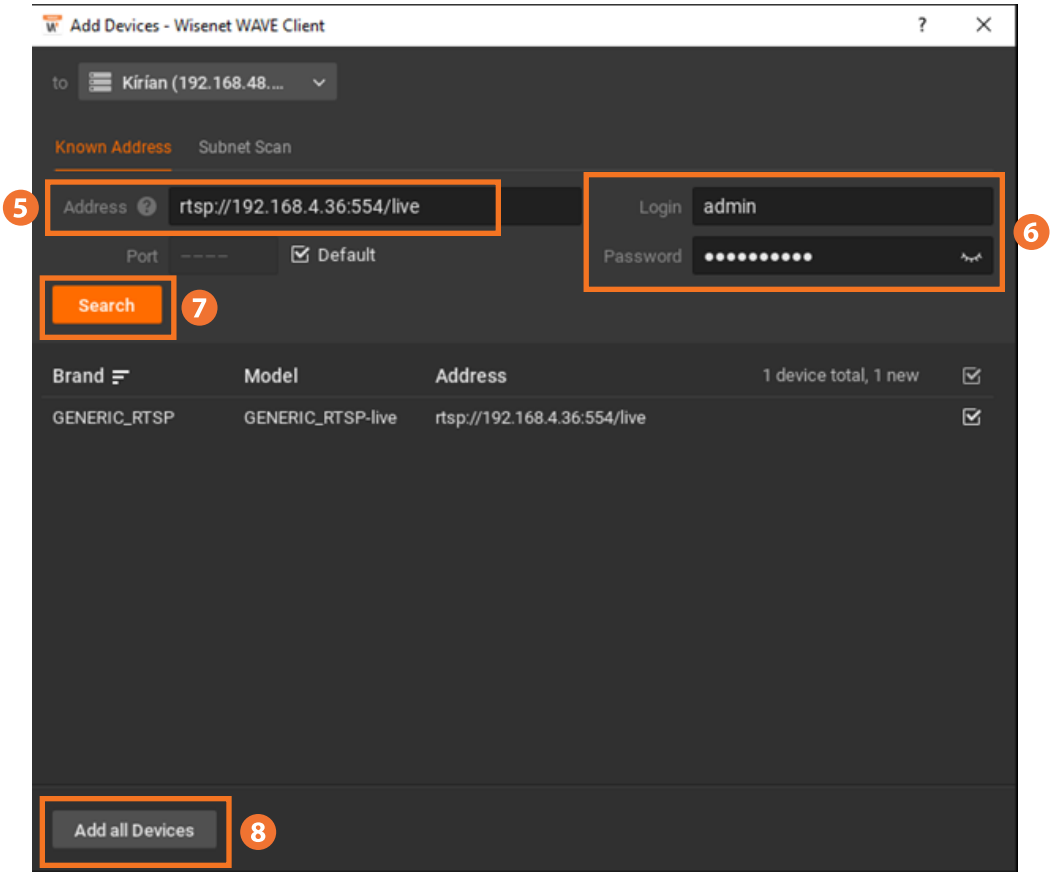
Adding Triton Sensors to Wisenet WAVE VMS

To add Triton sensors to Wisenet WAVE VMS, complete these steps.

1. Open Wisenet WAVE VMS Client.
2. Log in as an Admin or Elevated Permissions Level user.
3. Select the server in which to add the Triton sensor and click to display the context menu.
4. Click **Add Device**.



5. Enter the **Address** of the Triton sensor's RTSP stream, appending the port and stream as ".554/live" (i.e., rtsp://<device IP address>:554/live).
6. Enter the device credentials in the **Login** and **Password** fields.
7. Click **Search** to begin scanning for the device.
8. Once the device is discovered, select the checkbox for the device and click **Add**.



9. The Triton Sensor's webUI appears as a live stream within Wisenet WAVE VMS.

Configuring the Triton Device API Integration with Wisenet WAVE VMS

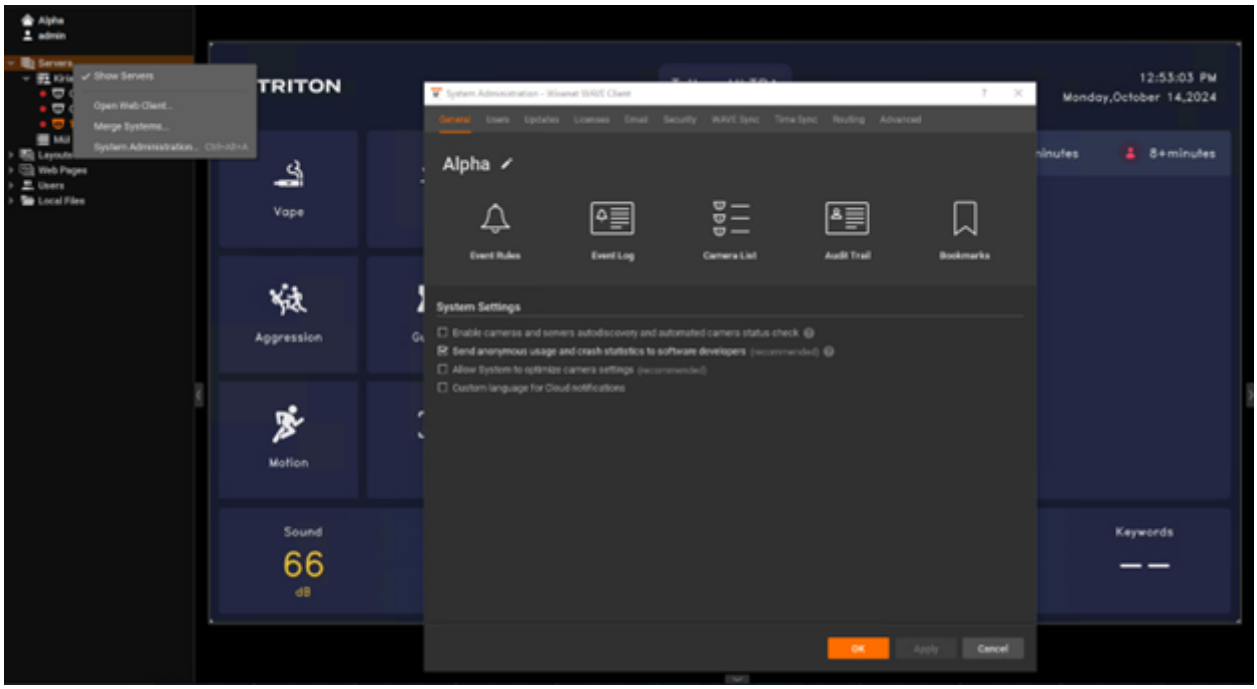
Integrating the Triton device API with Wisenet WAVE VMS allows registered Triton devices to create system notifications via Wisenet WAVE's Events and Rules engine

The sections below describe how to create Events using Triton sensor devices.

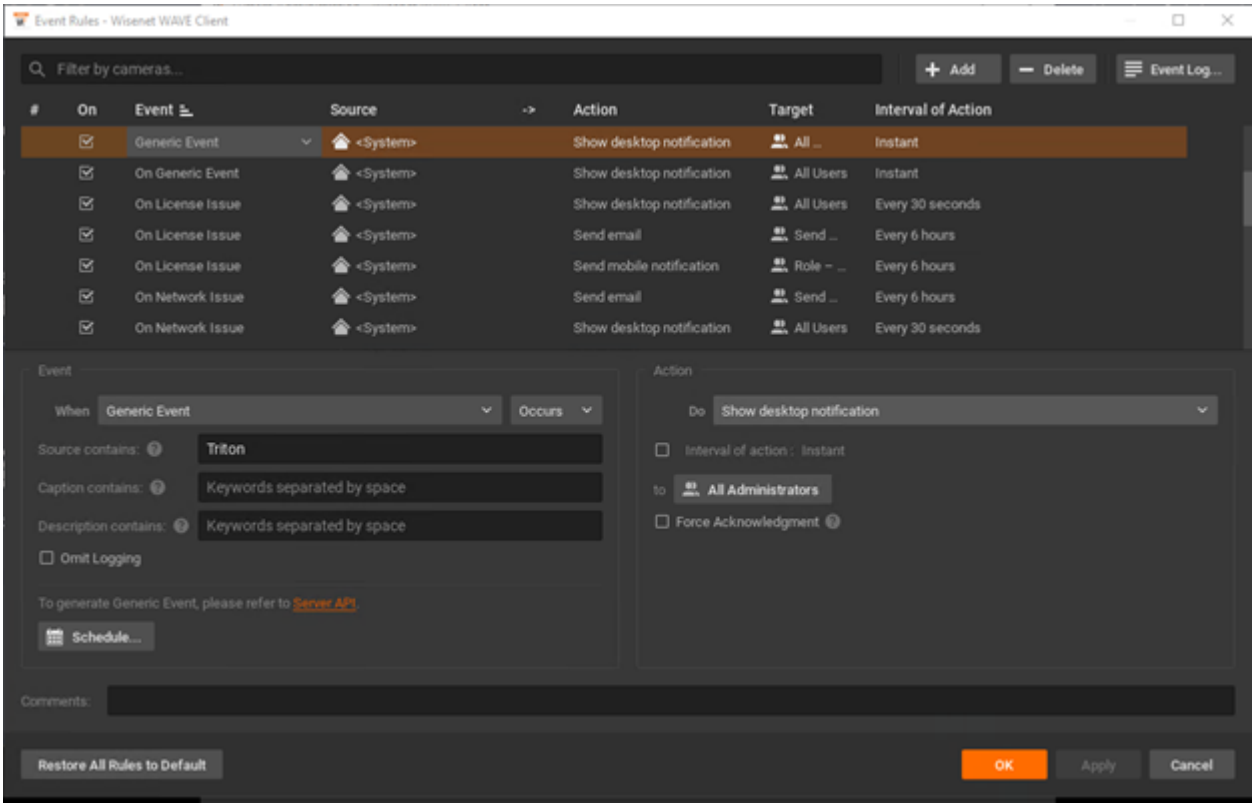
Creating Event Rules

To create event rules, complete these steps.

1. In the Wisenet WAVE navigation tree, right click **Servers** > **System Administration**. The Overview screen appears.



2. Click Event Rules, then Add to create a new rule.



3. Under Event, select Generic Event in the When drop-down menu.
4. Under Action, select Show Destop Notification in the Do drop-down menu.
5. De-select the Interval of Action checkbox to set the alarm interval to Instant.
6. Select all applicable users or roles in the To field.
7. Click Apply.

NOTES:

- When testing, set Do to Show Desktop Notification for instant feedback.
- Interval of Action, if left unchecked, defaults to Instant.
- Only select Force Acknowledgement if alarm acknowledgement is required.

Testing the API Integration

To test the API integration, complete these steps.

1. Open the Triton interface.
2. Navigate to Action Settings.
3. Go to any API trigger with HTTP enabled.
4. Click Test to trigger an alarm within Wisenet WAVE VMS.

LED			Sound	Operate
Color	Pattern	Priority		
Red	Steady	High	Siren_Type_Three.wav	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
Red	Steady	High	None	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
Red	5 Sec Blink	High	Smells_Aweful.wav	Save Test
None	Steady	High	None	Save Test
None	Steady	High	None	Save Test
Green	5 Sec Once	High	THC_Detected.wav	Save Test
None	Steady	High	None	Save Test
Violet	5 Sec Once	High	Popcorn_Lung.wav	Save Test

5. Open Wisenet WAVE Client. The triggered alarms are populated within the client Notifications Panel.

Configuring the Triton Cloud with WAVE Cloud

Integrating the Triton Cloud with Wisenet WAVE VMS allows registered Triton devices to create system notifications via Wisenet WAVE's Events and Rules engine. These Events will trigger the API as "**Generic Event**" with Description of the Trigger within the "**Source**" description of the alert.

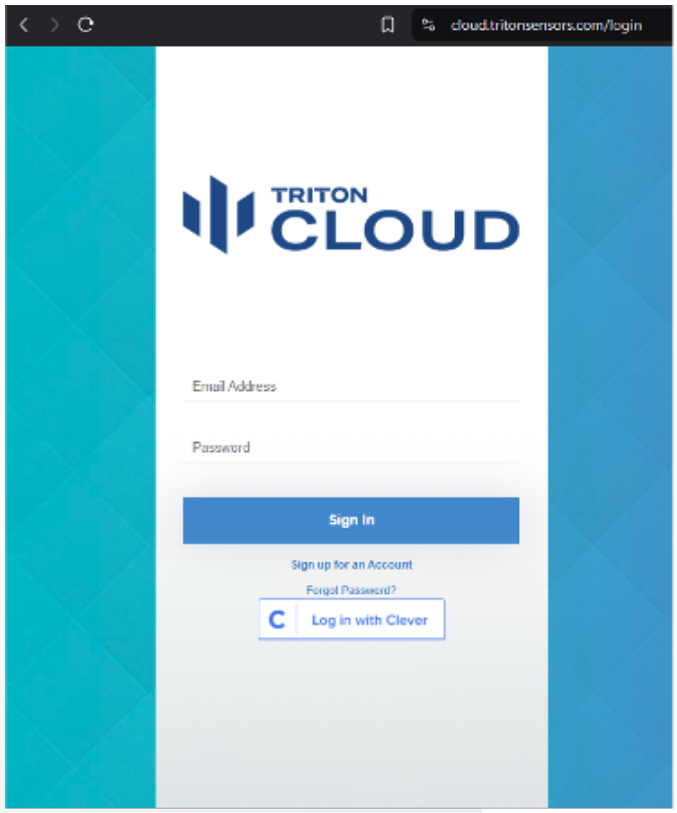
The sections below describe how to create the connection between Triton Cloud and Wisenet Wave VMS Cloud. You will need to obtain the Wave Cloud System ID # and Camera ID #'s Associated with the Triton Sensor.

NOTE: The Triton Pro and Vape Sensor require Cloud for VMS or third-party integrations.

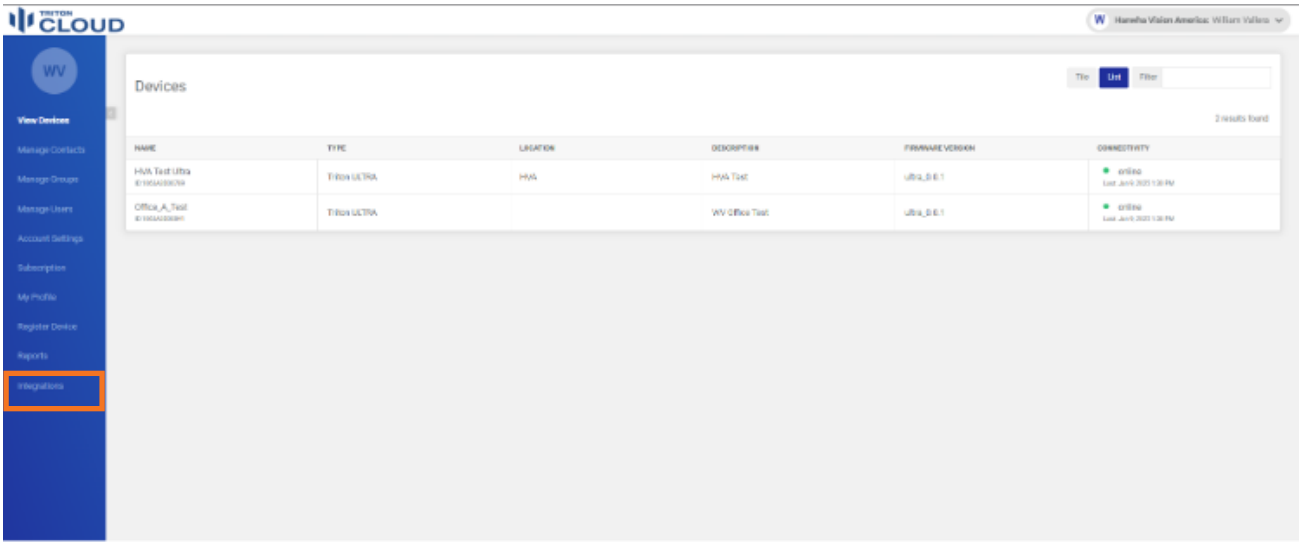
Logging into Triton Cloud

To establish the connection between Triton Cloud and Wisenet WAVE VMS, complete these steps.

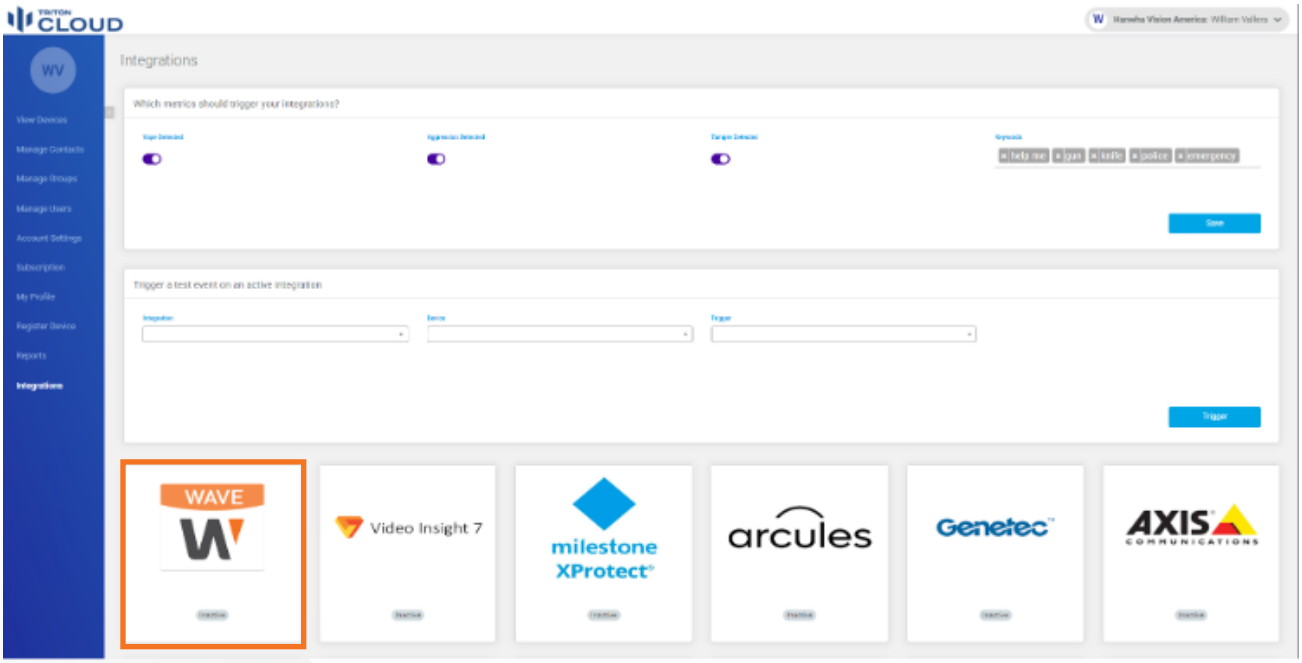
1. Proceed to **Triton Cloud Login** and log into your account.



2 Navigate to the **Integration** Tab.



3 Select the **WAVE Icon** below.

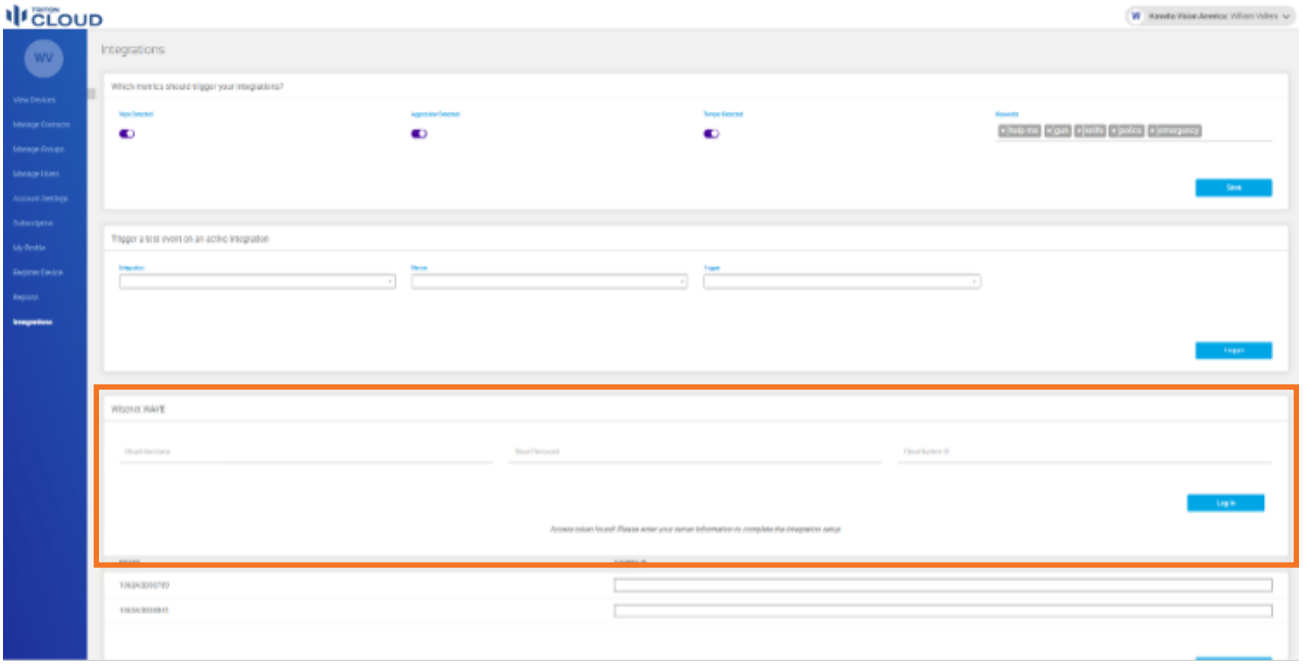


Establishing the WAVE Connection

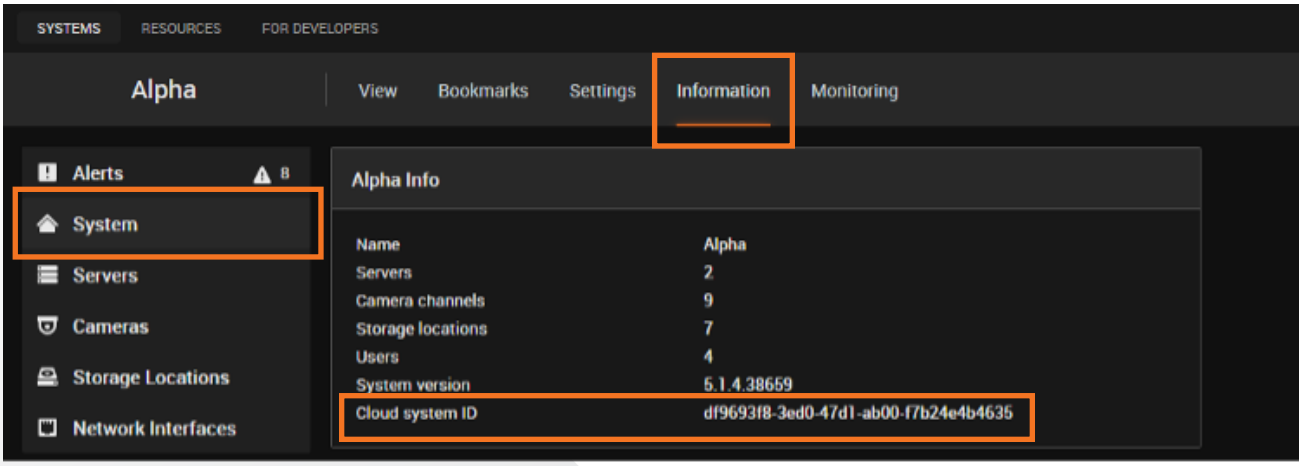
In order to establish the WAVE Connection you will need to provide your Wisenet WAVE Cloud Username, Password, and System ID . The System ID can be found in several locations, but the easiest way to access it is by logging into **Sync.wavevms.com**.

Navigate to **Information > System** to retrieve the unique Cloud System ID.

1. Locating the Wisenet Integration Information Tab.

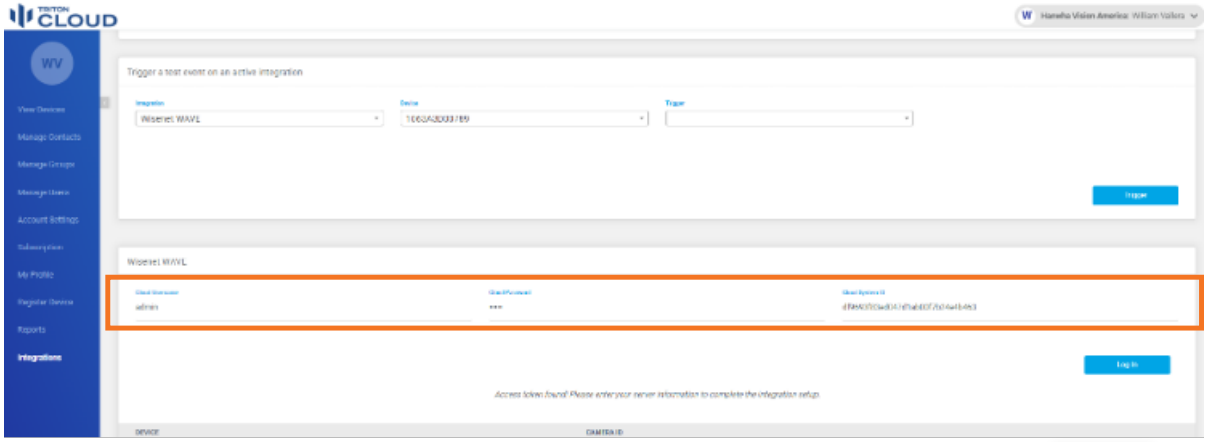


2. Obtain your Wisenet WAVE Cloud System ID and Camera ID:
   - Access your WAVE Sync account at **Sync.wavevms.com**.
   - Go to **Information > System** to find your **Cloud System ID**.



3 In Triton Cloud, input the following details:

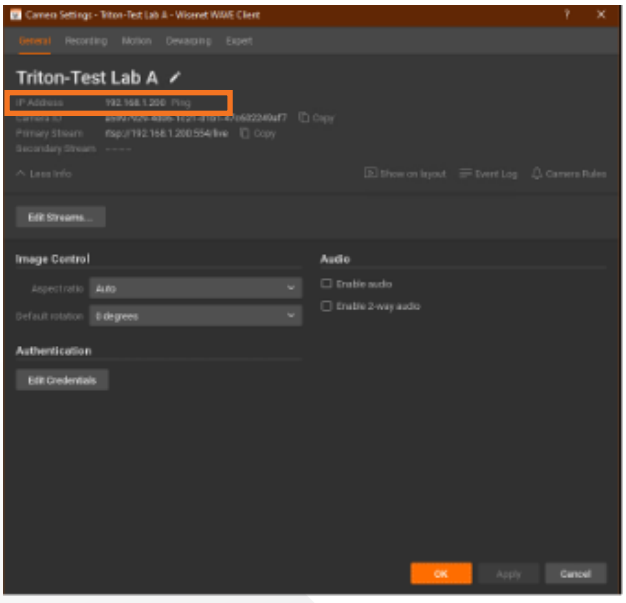
- WAVE Cloud Username and Password
- Cloud System ID



NOTE: Save your settings. Once connected, the WAVE icon in the Integrations tab will display as Active.

4 Locating Camera ID from Wisenet WAVE in your Wisenet WAVE system:

- Right-click on the **Camera/Sensor** device to open the **Camera Settings** screen.
- Locate the **Camera ID** under the **IP Address field**.



5 Proceed Back in Triton Cloud, associate the Camera ID with the respective device:

- Select the device by its **MAC Address**.
- Input the Camera ID and click **Save**.

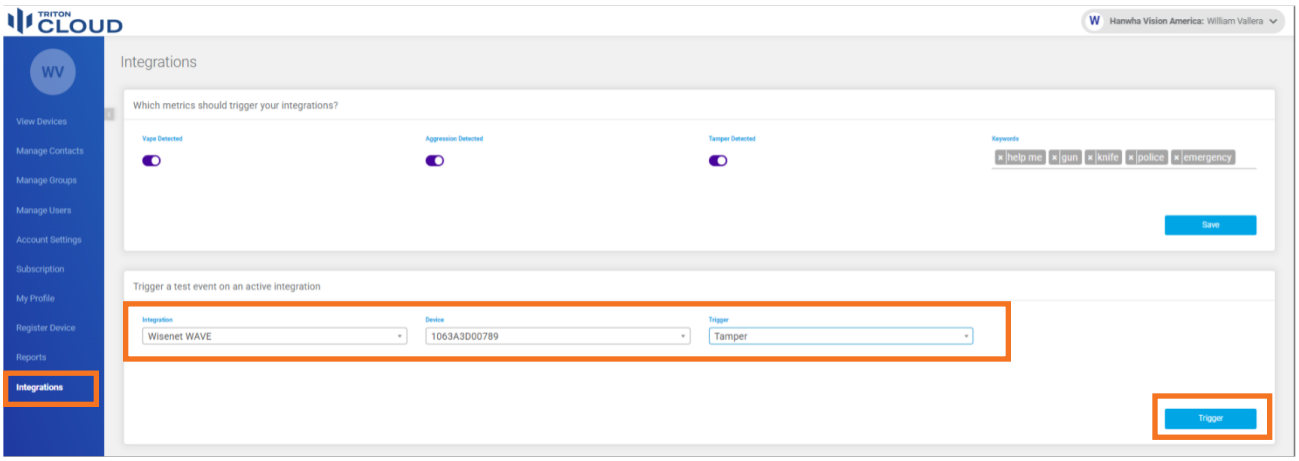
Testing Cloud Connection

In order to Test the Triton Cloud to Wave VMS integration you will need to preform the following steps.

Still within the Triton Cloud Integrations Select Integration Drop Down Located in the "Trigger a test event on an active integration" Tab.

1. In Triton Cloud, go to the **Integrations** tab.
2. Under "**Trigger a test event on an active integration**", follow these steps:
   - Select **Integration Drop Down**: Choose **Wisenet WAVE**.
   - Select **Device Drop Down**: Choose the configured device.
   - Select **Trigger**: Choose a trigger (e.g., Tamper) and click to send the API event.

   * Confirm that the event is successfully sent from Triton Cloud to Wisenet WAVE VMS.



Warranty

Triton Issues a 10-year product warranty.

For more information visit us at

HanwhaVisionAmerica.com

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