

# LINE Notify Integration Note v1.0.0



**LINE Notify**

# Chapter 1

## Introduction

### 1.1 Prerequisites

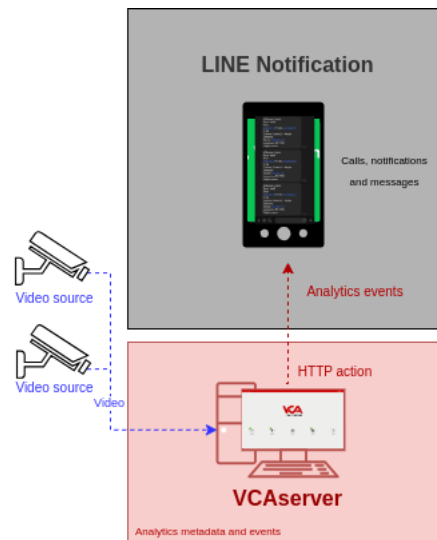
- VCAserver version 2.1.1 or greater.
- A LINE Account.
- LINE: Call and Messages application.
- LINE Notify service and an Access Token.

### 1.2 Supported Features

- HTTP requests with metadata available via tokens.

### 1.3 Architecture

For this web UI integration, LINE receives notifications through the HTTP action with VCA tokens containing details about the event.



# Chapter 2

## VCAserver Configuration

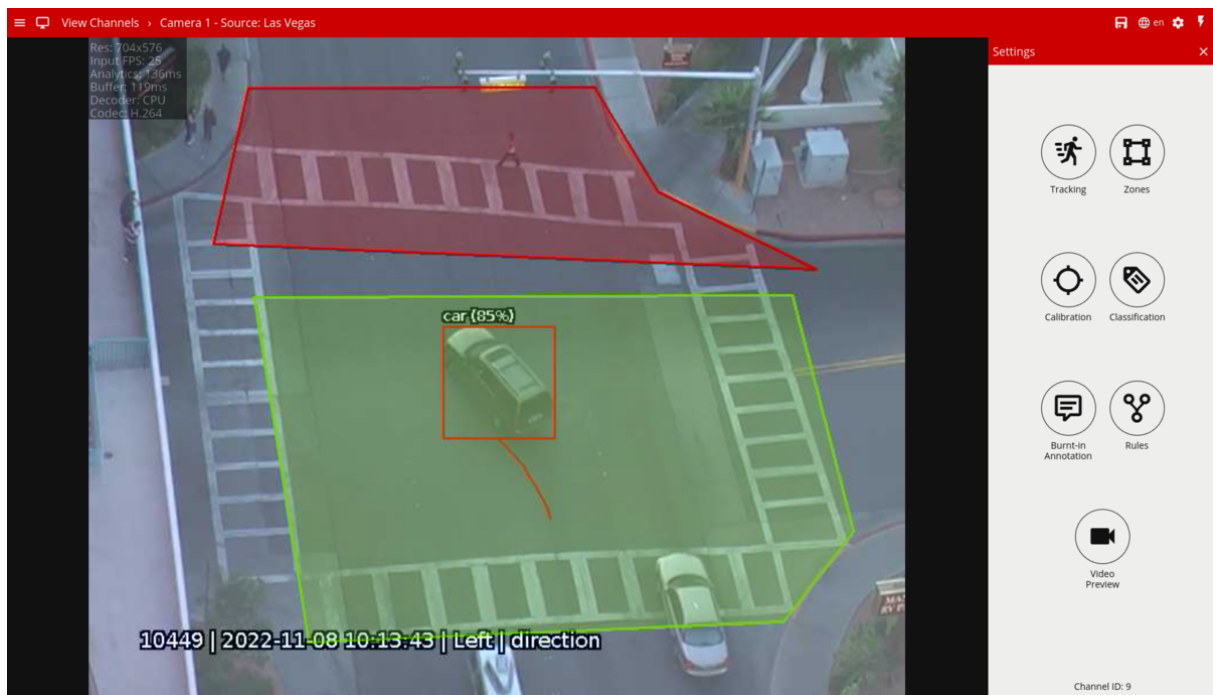
### 2.1 Creating a Channel

Configure the VCAserver as required with the appropriate channel and logical rules. A basic setup is detailed below as an example:

1. Configure a source to connect to a camera.

*Note: the recommended settings for the camera stream to VCA is a maximum resolution of D1 (640 x 480) with a frame rate of 15 frames per second. A lower resolution and frame rate will reduce the analytic accuracy, a higher resolution and frame rate will result in high CPU usage and can reduce analytical accuracy.*

2. Configure a **zone** for the channel.
3. Select the **Tracking Engine** to identify objects in the scene.
4. Configure **rules or filters** to trigger an event on object detection in the zone.



For more information on creating and configuring channels in VCA please refer to the VCA core manual 2.1.1.

## 2.2 Creating an Action

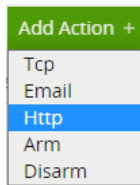
1. Click the **system cog** in the top right to access the Settings.



2. Then, click **Edit Actions**.



3. Click **Add Action** and select **HTTP** from the list of available actions.



4. Enter a descriptive name for the action.
5. Click the arrow on the right of the action to expand the HTTP configuration options.
  - **URI:** Enter the URL the LINE Notify service requires to send notifications to users or groups related to an access token. Default endpoint: `https://notify-api.line.me/api/notify`
  - **Port:** Default port 443.
  - **Headers:** Add `Content-Type: application/x-www-form-urlencoded` and `Authorization: Bearer <access_token_provided>`.
  - **Body:** Add the data required by the LINE Notify service with the VCA tokens.
  - **Method:** Select **POST** from the available methods.
  - **Enable Authentication:** N/A.
  - **Username:** N/A.
  - **Password:** N/A.
  - **Sources:** Select **Add Source +** to display a list of the available Sources and logical rules and select the logical rule created for the source you want to send to the server.

Type: Http Name: Line Notify - Service

URI: https://notify-api.line.me/api/notify

Port: 443

Headers: Authorization: Bearer l1CVdlibcAoA2hcyG3PACVzHzKJZ3YG1kdqH3JRvxV  
Content-Type: application/x-www-form-urlencoded

Body: message=  
Event: {{type.string}}  
Time: {{start.iso8601}}  
Camera: {{#Channel}}{{name}}{{/Channel}}  
Device: {{ip}} - {{host}}  
Object: {{#Object}}{{#DLClassification}}{{class}}{{/DLClassification}}{{/Object}}

Method: POST

Enable Authentication: ☐

Username: Enter username

Password: Enter Password

Send Snapshots: ☐

Snapshot Quality: Average

Interval between snapshots: 0.5 Seconds

Number of snapshots before event: 1

Number of snapshots after event: 1

Multipart request name: vca

Verify Certificate: ☐

Encryption: TLS

Always Trigger: ☐

Sources: [1] Camera 2 - People

Add Source +

For this integration, the following tokens were used to send an information on the camera, zone and rule type that triggered the event:

- message=: Required keyword.
- {{type.string}}: The type of the event. This is usually the type of rule that triggered the event.
- {{start.iso8601}}: The start time of the event. The iso8601 property is a date string in the ISO 8601 format.
- {{#Channel}}{{name}}{{/Channel}}: The name of the channel that the event occurred on.
- {{ip}}: The IP address of the device that generated the event.
- {{host}}: The hostname of the device that generated the event.
- {{#Object}}{{#DLClassification}}{{class}}{{/DLClassification}}{{/Object}}: The Deep-Learning classification name of the object.

*Note: The message is an example. You can adjust the data and add more tokens as needed.*

## Chapter 3

# Configuring LINE Notification

### 3.1 Creating a LINE Account

The first step is to create a LINE account. You need a device that can receive text messages or phone calls. *Note: Make sure you register a LINE account using an email address.*

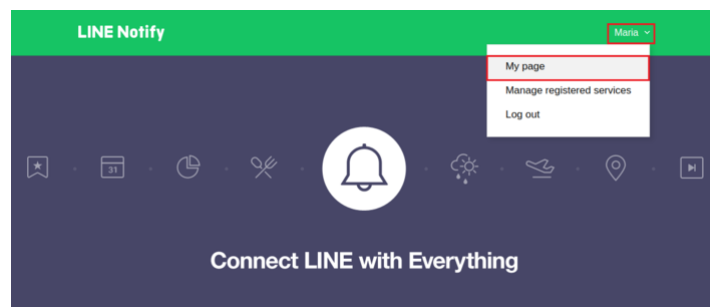
1. Download **LINE** on your phone.
2. **Open** LINE and tap **Sign up**.
3. **Follow** the instructions to create and set up your account.
4. Access the application.

*This document will not detail the steps for creating a LINE account. For more information, please refer to LINE Help Center [Creating a new account](#)*

### 3.2 Configuring LINE Notify

LINE Notify is a notification service that allows users to link to a web service and receive notifications from the official account LINE Notify that is provided by LINE.

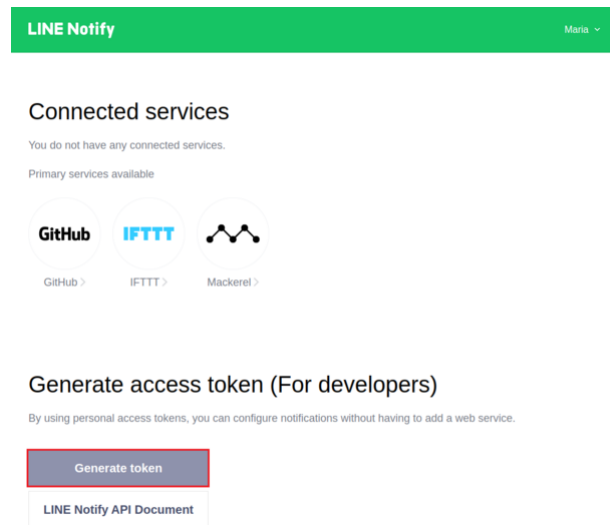
1. Sign into **LINE Notify** with your LINE account.
2. In the *LINE Notify* page, click on the arrow next to your name and select **My page** from the drop-down list.





### 3.2.1 Generating an Access Token

1. After entering 'your page', scroll down and click on **Generate token**.



2. In the *Generate token* pop-up window:

- Enter a **token name** that will be used for displaying notifications.
- **Select** a chat to send notifications to.

*If you select a group to receive alert messages instead of selecting 1-on-1 with LINE Notify, make sure you have added LINE Notify as a friend to the group first.*

- Then, click on **Generate token**.

## Generate token


×

Please enter a token name to be displayed before each notification.

VCAserver\_Events

Select a chat to send notifications to.

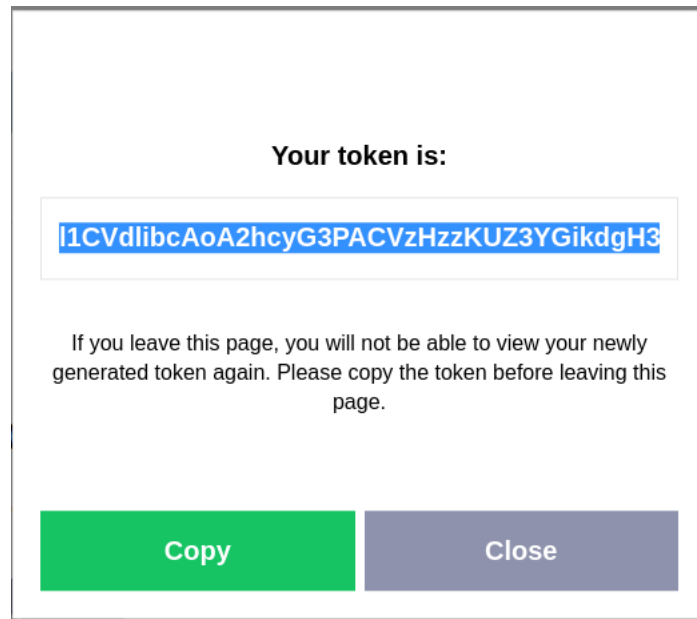
Q Search by group name

 1-on-1 chat with LINE Notify

Note: Revealing your personal access token can allow a third party to obtain the names of your connected chats as well as your profile name.

Generate token

- You will receive an access token. Click on **Copy**.



- Then click on **Close** to close the window.

3. Paste the new access token into the Header of the **HTTP action** created in VCAserver.

*For more information on configuring the LINE Notify service, please refer to the [LINE Notify API Document](#)*

### 3.2.2 Verifying Notifications

Every time a logical rule is triggered on the VCAserver, a new notification will pop-up on your phone showing the details of the event as follows:

