

# General Information

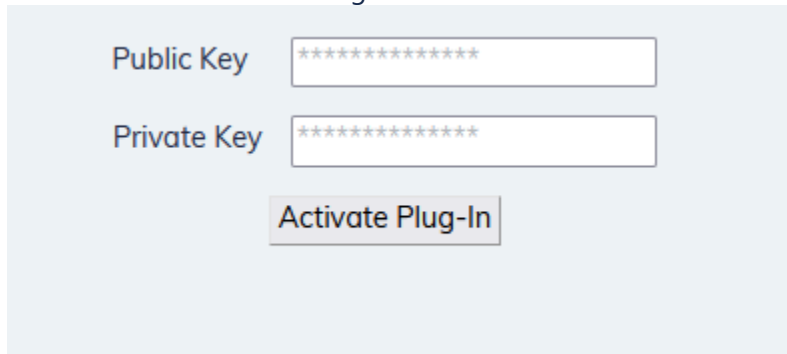
1. We have a WebApp which allows our customers to manage their Influencer Marketing Campaigns
2. To make those campaigns more measurable, we want to introduce a Plug-In for e-commerce stores which are using shopify.
3. The Plug-In / Shopify App should be written in Node.js

## First Use Case:

- The plug-in should be downloadable in the shopify app store and work afterwards without registration
- The user can retrieve a keypair in our WebApp dashboard, with which they can activate the plugin.
- The plug-in notifies our Platform that it is activated with a Post Request with following body:

```
PlugInActivationMessage: {  
  public_key: string, //public key of the plugin  
  signature: string, // signature  
}
```

- For all signatures the plugin should use hmac sha256 and the input fields for the keys should look like the following:



The image shows a light blue rectangular form. Inside the form, there are two input fields. The first input field is labeled 'Public Key' in blue text to its left. The input field itself contains ten asterisks '\*\*\*\*\*'. The second input field is labeled 'Private Key' in blue text to its left. This input field also contains ten asterisks '\*\*\*\*\*'. Below these two input fields, centered horizontally, is a button with the text 'Activate Plug-In' in blue.

## Second Use Case:

- During an Influencer Marketing Campaigns, customers will be directed to the e-commerce store, via a link with additional parameters.
- **Detailed explanation on second page**

# Workflow second Use Case:

1. A Customer enters the store via our link:

```
<shop-url>  
/?utm_source=leadnow&utm_medium=instagram&utm_campaign=<leadnow_influencename>  
&utm_id=<actionConfirmationId>
```

2. The plug in sets a cookie `leadnow_revenue=<actionConfirmationId from the link>` with (lifetime: infinite)
3. Each sale is tracked, if the customer with the cookie buys something
4. After a tracked sale occurs, the plugin creates Sales Report which is constructed as follows:

```
SalesReport: {  
  plugin_type: string, // string displaying the name of the E-Commerce shop  
  action_confirmation_id?: string, //actionConfirmation Id from the link  
  vouchercode?: string, //related vouchercode stored in the plug in  
  amount: number, //amount of products bought  
  revenue: number, //revenue amount spend by the customer  
  currency: string // ISO 4217 code of the used currency  
}
```

5. The reports gets send to an API in a POST call with a body that looks like the following:

```
SalesMessage: {  
  public_key: string, //public key of the plugin  
  signature: string, // signed salesreport  
  sales_report: SalesReport // sales report as seen above  
}
```

