# Adscope Installation Manual

Graymatics-SG Pte Ltd.

Content table:

# Confidentiality



# Installation

## Dependencies

- Install Node: Node installation.
- Install MySQL for database: MySQL installation.
- Install Redis: Redis installation.
- To secure Redis: Redis security.
- Install Nginx: Nginx installation.

## Extract files

- Unzip attached zip file on the destination folder for Adscope.
- Install dependencies by doing the command “npm install” on the folder where the files where extracted. On the “ads“ folder.

## Define details of the server

- On the file “app.properties”, change the values of “host”, “user”, “password”, to the credentials of the MySQL server. If the server is in the same machine, “host” should be “localhost” as value.
- If Redis has been set a password it needs to be specified on “redis_password” field at “app.properties”.
- Define the value at “install” at “app.properties” to be “true” to install the database structure. This step needs to be changed after the first initialization of the server to “false”. This method prevents to delete the database after the first initiation.

## Secure Server (optional)

- To use the HTTPS version of the system, this requires the “cert.pem” file and “key.pem”. This both files needs to be replaced at the main folder using this same names.
- Set Nginx to redirect port 443 to 3311 . This will enable the default port of the server for the application. This is an optional step but required for different Tag managers.
  Additionally it can be pointed from the port 80 to 3311 if the certificates are needed to be only on the application.

## Initialize server

- Run the command “npm start” at the main folder. It will display the ports to be used by the server.

# Additional Information

## Ports used

- HTTP port: 3310
- HTTPS port: 3311

## Snippet

- HTTP snippet:
  <script type="text/javascript" src=http://{ip_server}/system/g3c.scan.image.sph.js></script>
- HTTPS snippet:
  <script type="text/javascript"
  src=https://{ip_server}/system/g3c.scan.image.sph.js></script>

Inside of the snippet there is “{ip_server}” that needs to be replaced to the Ip of the server to be used. HTTPS snippet will work if the optional step has been completed.
*Notice that if Nginx is not being used, the snippet would have to use the port for each protocol.

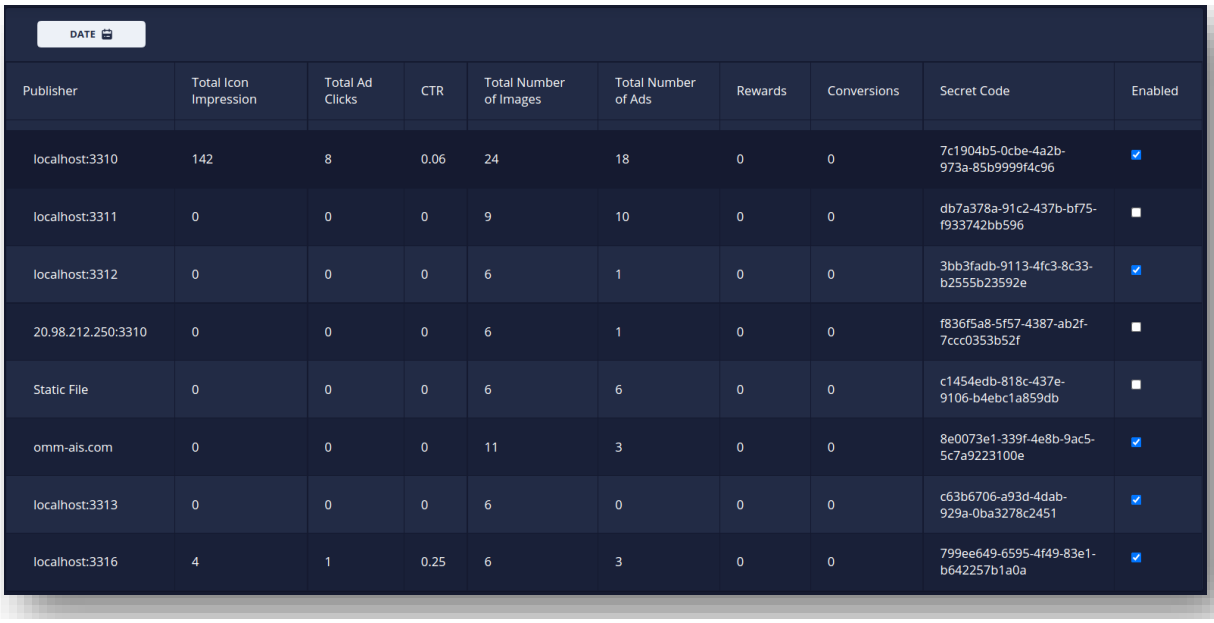
- HTTP snippet:
  <script type="text/javascript"
  src=http://{ip_server}:3310/system/g3c.scan.image.sph.js></script>
- HTTPS snippet:
  <script type="text/javascript"
  src=https://{ip_server}:3311/system/g3c.scan.image.sph.js></script>

## Errors logs

To access errors these would be present in the console after initializing the server with “npm start”. Additional we store all the requests made on the server and saved them on “access.log” file. There it is specified the date, URL of origin, status, and the user agent from where it was originated the request.

## Dashboard Access

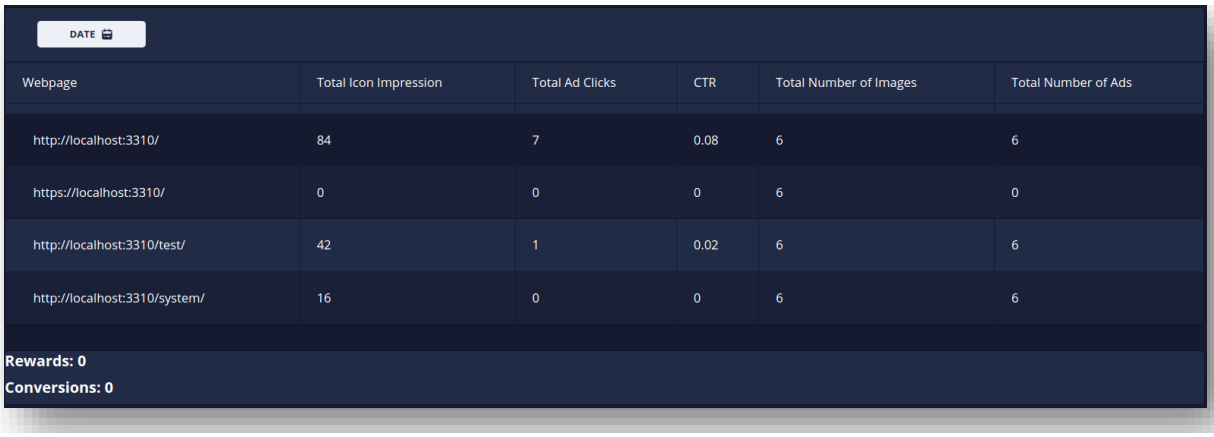
To access the dashboard, it needs to be accessed to "http://{ip_server}:3310/management".



DATE

| Publisher | Total Icon Impression | Total Ad Clicks | CTR | Total Number of Images | Total Number of Ads | Rewards | Conversions | Secret Code | Enabled |
|---|---|---|---|---|---|---|---|---|---|
| localhost:3310 | 142 | 8 | 0.06 | 24 | 18 | 0 | 0 | 7c1904b5-0cbe-4a2b-973a-85b9999f4c96 | ☑ |
| localhost:3311 | 0 | 0 | 0 | 9 | 10 | 0 | 0 | db7a378a-91c2-437b-bf75-f933742bb596 | ☐ |
| localhost:3312 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 3bb3fadb-9113-4fc3-8c33-b2555b23592e | ☑ |
| 20.98.212.250:3310 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | f836f5a8-5f57-4387-ab2f-7ccc0353b52f | ☐ |
| Static File | 0 | 0 | 0 | 6 | 6 | 0 | 0 | c1454edb-818c-437e-9106-b4ebc1a859db | ☐ |
| omm-ais.com | 0 | 0 | 0 | 11 | 3 | 0 | 0 | 8e0073e1-339f-4e8b-9ac5-5c7a9223100e | ☑ |
| localhost:3313 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | c63b6706-a93d-4dab-929a-0ba3278c2451 | ☑ |
| localhost:3316 | 4 | 1 | 0.25 | 6 | 3 | 0 | 0 | 799ee649-6595-4f49-83e1-b642257b1a0a | ☑ |

This will be receiving the information gathered into the database installed. From here once each publisher adds the snippet provided, it will auto fill the dashboard with the information of each publisher. With each publisher it will generate a secret code to provide with the link of their dashboards, "http://{ip_server}:3310/client". Each publisher will be authorized to see their own data. The rewards system and the products will be enabled once ACCESSTRADE approves each campaign for each publisher. This might take up to 24 hours after the first access from the publisher site once added the snippet.



DATE

| Webpage | Total Icon Impression | Total Ad Clicks | CTR | Total Number of Images | Total Number of Ads |
|---|---|---|---|---|---|
| http://localhost:3310/ | 84 | 7 | 0.08 | 6 | 6 |
| https://localhost:3310/ | 0 | 0 | 0 | 6 | 0 |
| http://localhost:3310/test/ | 42 | 1 | 0.02 | 6 | 6 |
| http://localhost:3310/system/ | 16 | 0 | 0 | 6 | 6 |

**Rewards: 0**
**Conversions: 0**

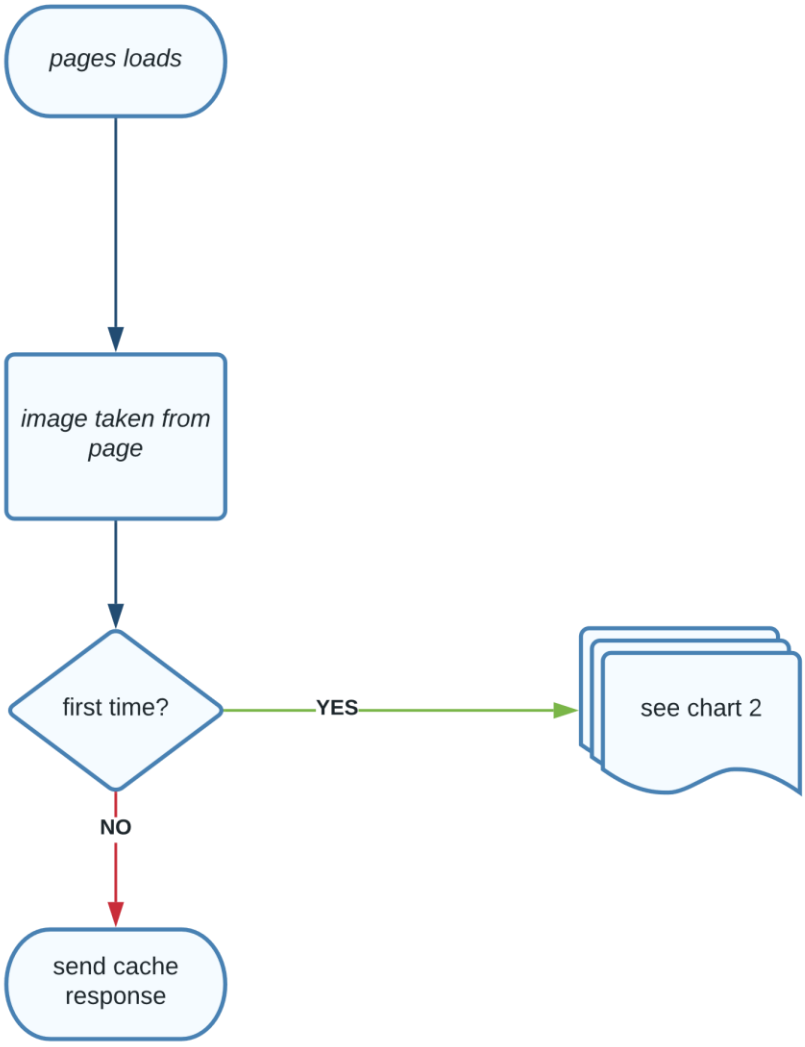
## Application Flow

1. First time.
    1.1. Get the images from the page
    1.2. Download the products from the API of Accesstrade
    1.3. Parse and upload the products to MySQL database
    1.4. Send the image to Vista
    1.5. Receive and process Vista response
    1.6. Matching the image with a correspondent product
    1.7. Save that result in Redis DB
    1.8. Showing said result in the page.
2. Second time without Redis.
    2.1. Get the image form the page
    2.2. Request products from MySQL DB
    2.3. Send image to vista
    2.4. Receive and process Vista response
    2.5. Match the image with a correspondent product.
    2.6. Save result in Redis DB
    2.7. Show result in the page.
3. With Redis.
    3.1. Get the result of previous iteration.
    3.2. Show result in the page.

For visual explanation see the charts on the following pages.

# ads

rodrigo garcia | December 14, 2021



# chart 2

rodrigo garcia | December 14, 2021