

Maijet Documentation for MPDV Office Application

Project Scope

This project involves the implementation of new features for the office automation system based on biometric authentication:

- Automation of adding Hydra system personnel into FaceSec device
- Sending an error notification message to recipient's email and SMS in syncing data between the FaceSec Device and the HYDRA server

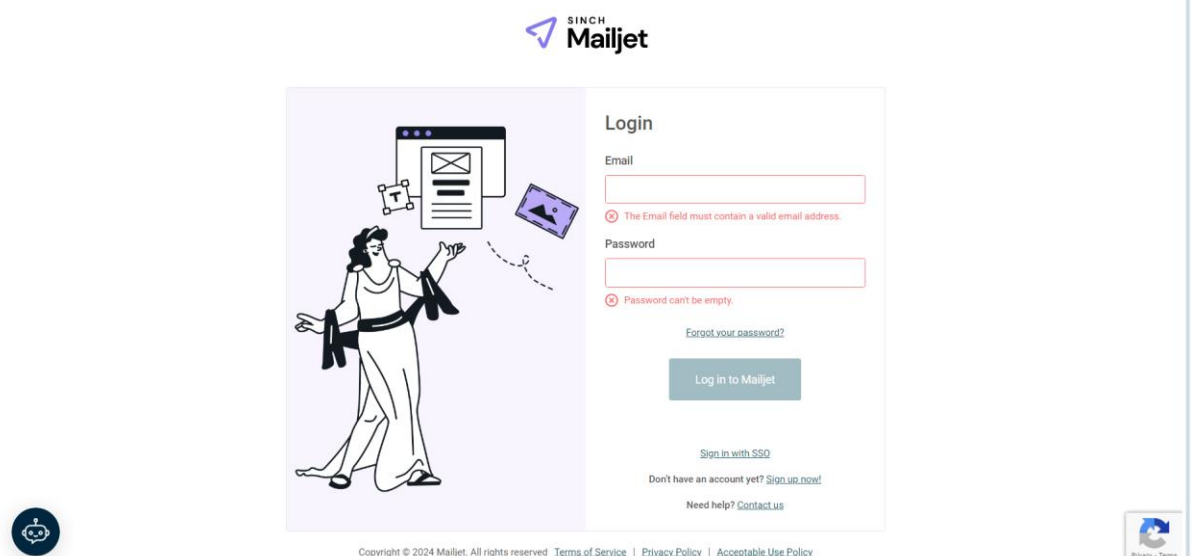
Compare_office.py	Code to sync the data of the hydra system and
Compare_office_notification.py	FaceSec device to add all personnel that is from the hydra system to FaceSec device Same code as Compare_office but it has a notification feature which sends out error messages in the form of SMS and Email messages when there are errors in synchronization.
Main_office.py	Main code to run so the Logon to the dashboard and synchronization of the hydra system and FaceSec device
Client_office.py	Code to run to enable to receive request to logon to the dashboard of the user who scan face

<p>Compare_shopfloor.py</p> <p>Compare_shopfloor_notification.py</p>	<p>Code to sync the data of the hydra system and FaceSec device to add all personnel that is from the hydra system to FaceSec device</p> <p>Same code as Compare_shopfloor but it has a notification feature which sends out error messages in the form of SMS and Email messages when there are errors in synchronization.</p>
<p>Main_shopfloor.py</p>	<p>Code to run to input ID number with number of workers into the hydra system when scanning face</p>

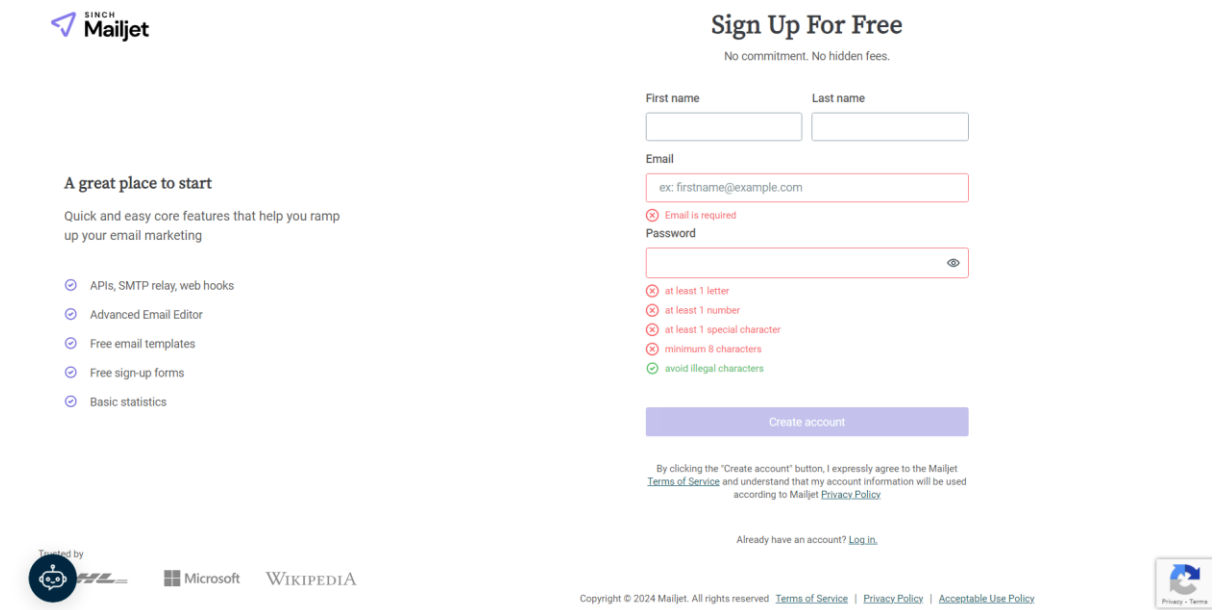
Setting up Mailjet API (Email Notification):

Creating new account:

1. Go to Mailjet's Website (<https://app.mailjet.com/signin>) and press "Sign Up Now!" (Ignore the errors)



2. Key in your Name, Email address and Password, verify your Email and press “Create Account” to create your account and select the free trial version.



SINGH Mailjet

Sign Up For Free

No commitment. No hidden fees.

First name Last name

Email

☒ Email is required



Password

☒ at least 1 letter
☒ at least 1 number
☒ at least 1 special character
☒ minimum 8 characters
☒ avoid illegal characters

Create account

By clicking the "Create account" button, I expressly agree to the Mailjet [Terms of Service](#) and understand that my account information will be used according to Mailjet [Privacy Policy](#).

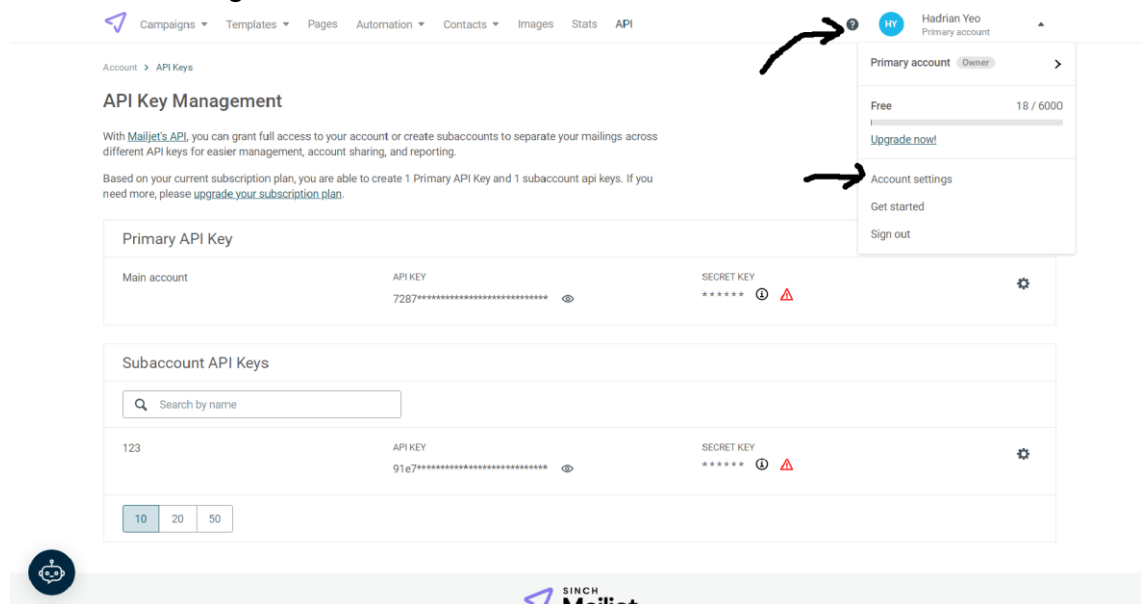
Already have an account? [Log in](#).

Trusted by  

Copyright © 2024 Mailjet. All rights reserved. [Terms of Service](#) | [Privacy Policy](#) | [Acceptable Use Policy](#)

Getting API Key:

1. After creating your account, you will access to a dashboard. Click on the top right of the dashboard where it states your account name and click on “Account Settings”



Campaigns Templates Pages Automation Contacts Images Stats API



Account > API Keys

API Key Management

With Mailjet's API, you can grant full access to your account or create subaccounts to separate your mailings across different API keys for easier management, account sharing, and reporting.



Based on your current subscription plan, you are able to create 1 Primary API Key and 1 subaccount api keys. If you need more, please [upgrade your subscription plan](#).

Primary API Key

Main account	API KEY	SECRET KEY	
	7287*****	*****	 

Subaccount API Keys

Search by name

123	API KEY	SECRET KEY	
	91e7*****	*****	 

10 20 50

Primary account **Owner** >

Free 18 / 6000

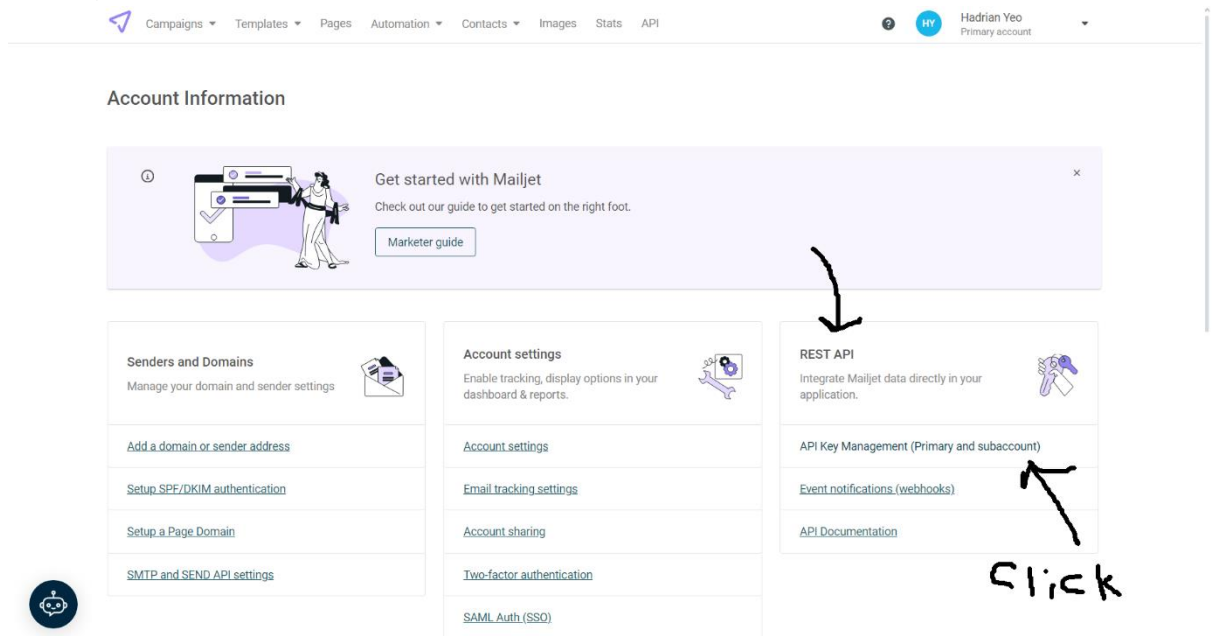
[Upgrade now!](#)

Account settings

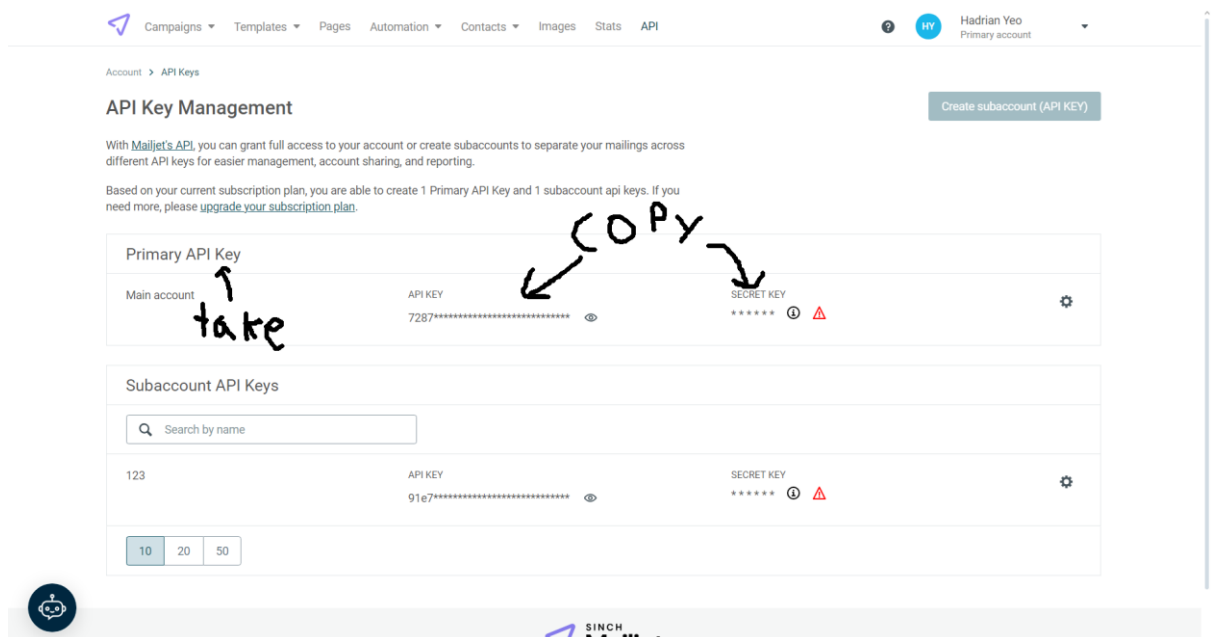
Get started

Sign out

2. Then, go to the “Rest API” Section and click on “API Key Management (Primary and subaccount):



3. In this, you can find your Primary and Subaccount API Keys. Take or generate a new Primary API Key and copy the API Key and the Secret Key and store it somewhere to use it later:



Configuring Sender Email Address:

1. Click on your account and click on “Account Settings” again. This time, you click on “Add a domain or sender address”.

Account Information

Get started with Mailjet
Check out our guide to get started on the right foot.
[Marketer guide](#)

Senders and Domains
Manage your domain and sender settings

- [Add a domain or sender address](#)
- [Setup SPF/DKIM authentication](#)
- [Setup a Page Domain](#)
- [SMTP and SEND API settings](#)

Account settings
Enable tracking, display options in your dashboard & reports.

- [Account settings](#)
- [Email tracking settings](#)
- [Account sharing](#)
- [Two-factor authentication](#)
- [SAML Auth \(SSO\)](#)

REST API
Integrate Mailjet data directly in your application.

- [API Key Management \(Primary and subaccount\)](#)
- [Event notifications \(webhooks\)](#)
- [API Documentation](#)

2. Scroll down until at “Sender addresses” and click on “Add a sender address”:

Sender addresses

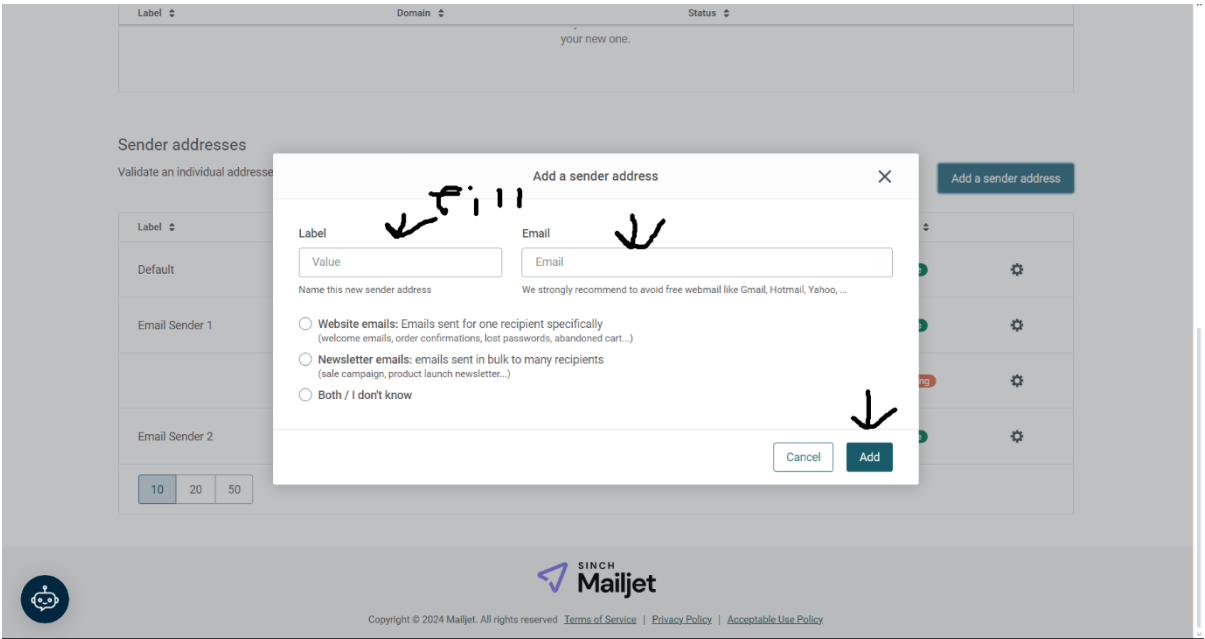
Validate an individual addresses to track campaign statistics by sender address.

Label	Domain	To	Type	Status
Default	myemail.nyp.edu.sg	221980b@myemail.nyp.edu.sg	Unknown/Both	Active
Email Sender 1	gmail.com	aig.training06@gmail.com	Unknown/Both	Active
	example.com	your-verified-email@example.com	Unknown/Both	Pending
Email Sender 2	outlook.com	aig.training06@outlook.com	Unknown/Both	Active

[Add a sender address](#)

3. After that, you can put in your sender email (Eg. Your school email) as the sender and click on the option you want (1 is recommended). Then press add and verify your email to activate your sender’s email

address.

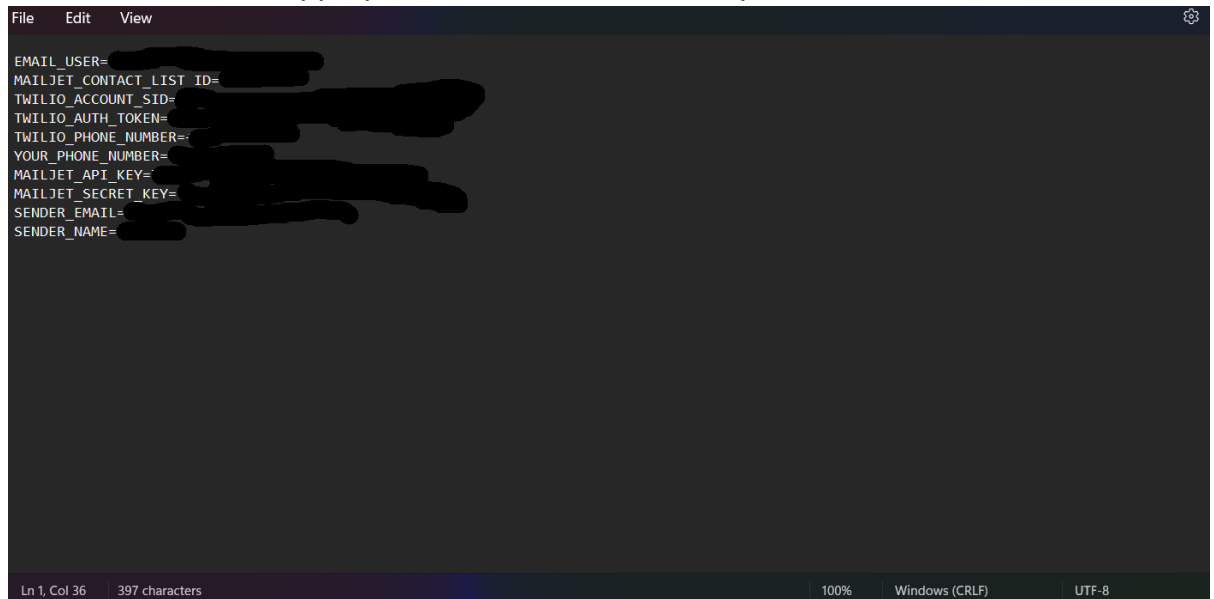


Putting in environment details to be used in the code:

- 1. Open the folder containing the .env file inside the main folder:

Name	Status	Date modified	Type	Size
__pycache__	✓	7/8/2024 4:13 pm	File folder	
.env	✓	8/8/2024 5:23 pm	ENV File	1 KB
Compare_office.py	✓	7/8/2024 4:11 pm	Python Source File	10 KB
Compare_office_notification.py	✓	8/8/2024 5:21 pm	Python Source File	21 KB
Main_office.py	✓	6/8/2024 1:11 pm	Python Source File	3 KB

2. After that, fill in the appropriate variables in the notepad:

A screenshot of a Notepad application window with a dark theme. The window has a menu bar with 'File', 'Edit', and 'View'. The text inside the notepad consists of several lines of environment variables, each followed by a redacted value (represented by black bars). The variables are: EMAIL_USER=, MAILJET_CONTACT_LIST_ID=, TWILIO_ACCOUNT_SID=, TWILIO_AUTH_TOKEN=, TWILIO_PHONE_NUMBER=, YOUR_PHONE_NUMBER=, MAILJET_API_KEY=, MAILJET_SECRET_KEY=, SENDER_EMAIL=, and SENDER_NAME=. The status bar at the bottom shows 'Ln 1, Col 36', '397 characters', '100%', 'Windows (CRLF)', and 'UTF-8'.

- a. EMAIL_USER: Your recipient's email address
- b. MAILJET_API_KEY: Your primary API Key
- c. MAILJET_SECRET_KEY: Your primary API's Secret Key
- d. SENDER_EMAIL: Your Sender's email address
- e. SENDER_NAME: Your name or any name (Sender email's name)

Finally, open the office and shopfloor codes and open a new terminal and keying in this to install the Mailjet library:

pip install mailjet_rest