Sample App Guide for Testing Python SDK (Sample App Framework: Flask)

Within this document, the step-by-step process elucidates running the Sample App to evaluate the functionality of the Python SDK

By Pinelabs Team

Prerequisites

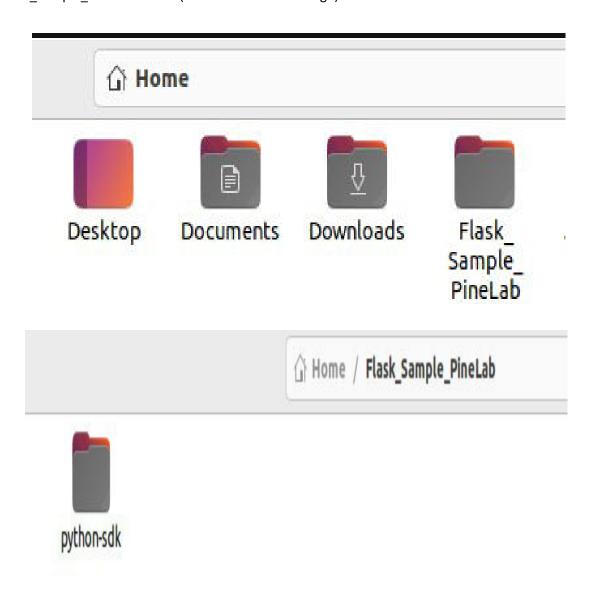
Python Version >= 3 (Recommended)

Installation Process

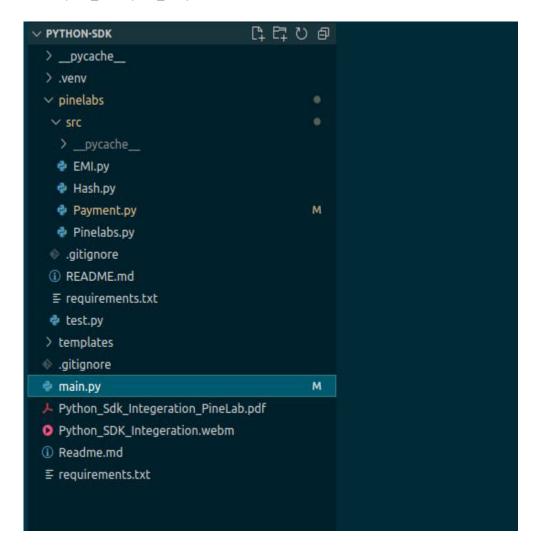
This section explains the installation flow of the Sample App

Below are the steps to extract the Sample App onto your local System and Enabling it for browser.

1. Extract the Sample App (Zip File) in any location on your system. Here we have extracted it at home path inside Flask_Sample_PineLab Folder (As shown below in image)



2. So it'll look something like this in your IDE, it'll consist of Sdk in pine_lab/api path and Controller classes will be located inside pine_labs /pine_lab path.



- 3. Now you need to run python -m venv .venv in your terminal in this path itself to setup virtual environment.
- 4. Run ./.venv/Scripts/activate.bat to activate the virtual env.
- 5. Run pip install -r requirements.txt to install all the dependencies
- 6. Then run flask --app main.py run --debug to start the development server for the application
- 7. Open the provided url in the console in your browser and navigate to /payment to start using the SDK in the sample app to create, fetch, emi, hash verify using it.

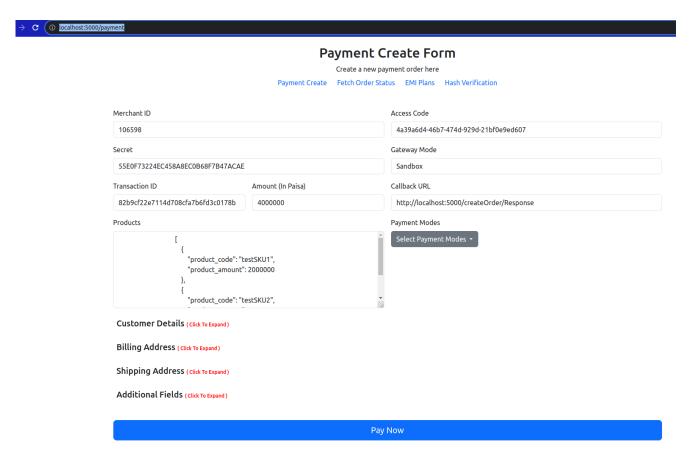
 (Note- The commands may vary in other OS like Linux)

Usage Process

This section explains the usage flow of Sample App

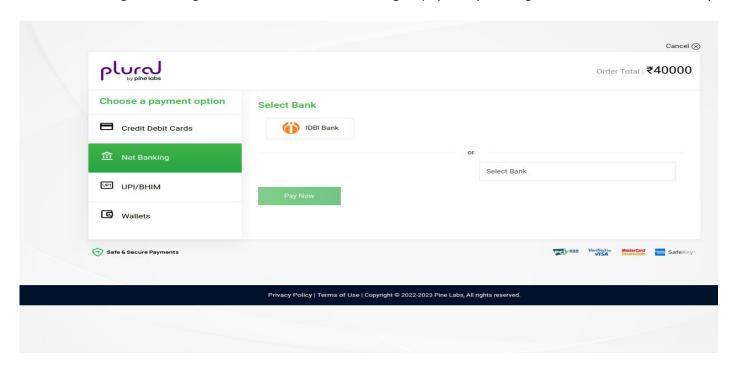
Create Order Process

In order for you to create an order and generate a URL for payment you need to locate to url http://localhost:5000/payment (Below shows the image of how Create order page will look like on browser)



- 1. Merchant Id, Access Code, Secret Key, Gateway Mode (Testing/Prod), Transaction Id, Amount in Paisa (Total amount of Products), Callback Url & Payment mode are all required fields and some of them have been pre filled with Test keys which you can change according to your requirements.
- 2. Product Details is Conditional (Meaning, Required in case of EMI payment mode)
- 3. Customer Details, Billing Address, Shipping Address and Additional Fields are Optional fields so aren't necessary for this process.
- 4. You need to keep Transaction Id unique every time while creating order else due to duplicate Id error you won't be redirected to anywhere.
- 5. If you add another product or subtract from existing products in Product Details then you need to make sure sum of total products amount is to be equal to Amount in Paisa as well if not change amount in Paisa according to total of Products in Product list, for test we have added 4000000 in amount in Paisa which equals to total amount of products in Product details you can change according to your needs.

6. After clicking on Pay Now you'll be redirected to Pinelabs Payment link page and you can select any payment mode like for testing Netbanking can be selected and after clicking on pay now you can generate success or Failure response.

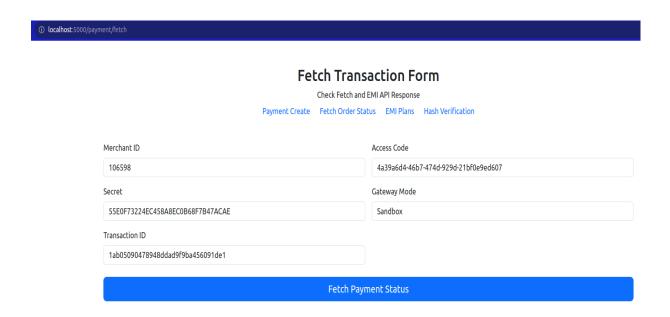


7. After that you'll be redirected to url provided in Callback Url field in HTML form which is part of this sample App and you'll get response something like shown in below image.

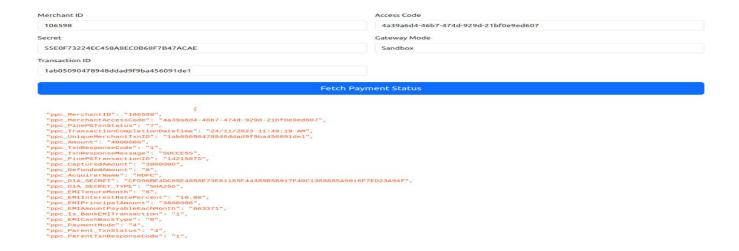
```
C
                    ① localhost:5000/createOrder/Response
"Acquirer Response Code": "0300"
"Acquirer_Response_Message": "DEFAULT"
"acquirer_name": "BILLDESK",
"amount_in_paisa": "4000000",
"captured_amount_in_paisa": "4000000"
                                                "DEFAULT",
"dia_secret": "8A3F370694CF57F7335E339F6A0C71192BDD14A54ADCB9231D73947D3DE55144",
"dia secret type": "SHA256"
"merchant_access_code":
                                       "4a39a6d4-46b7-474d-929d-21bf0e9ed607",
"merchant_id": "106598",
"mobile_no": "",
"parent_txn_response_code": "",
"parent_txn_response_message": "",
"parent_txn_status": "",
"payment_mode": "3",
"pine_pg_transaction_id": "14225964",
"pine_pg_txn_status": "4",
"refund_amount_in_paisa": "0"
"txn_completion_date_time": "30/11/2023 02:29:47 PM", "txn_response_code": "1",
"txn_completion_date_time": "3
"txn_response_code": "1",
"txn_response_msg": "SUCCESS",
"udf_field_1": "",
"udf_field_2": "",
"udf_field_3": "",
"udf_field_4": "",
"unique merchant txn id": "70947dc5c6c3448b9e4e729d1d629a69"
```

Fetch Order Process

In order to fetch order details you need to click on link Fetch Order Status in create order page or you can navigate to it directly by using url (http://localhost:5000/payment/fetch)

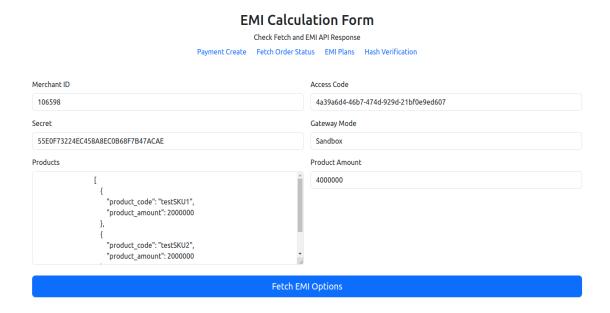


- 1. Merchant Id, Access Code, Secret Key, Gateway Mode (Testing/Prod), Transaction Id are required fields and some of them have been pre filled with Test keys that you can change according to your requirement.
- 2. You can change transaction id as well according to you.
- 3. Now you need to click on fetch order and it'll give you response something like shown in below image



EMI Details Process

In order to calculate Emi we need to click on Emi Plans or we can navigate to the path (http://localhost:5000/payment/emi)

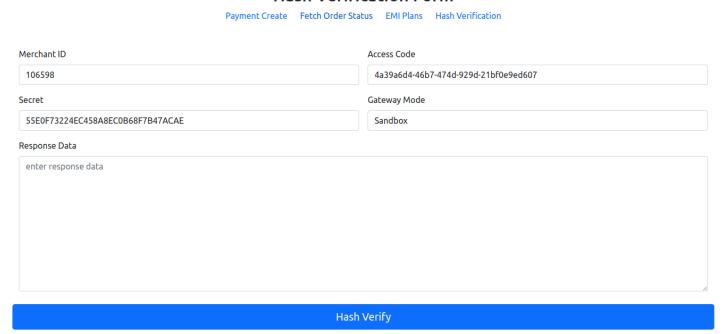


- 1. Merchant Id, Access Code, Secret Key, Gateway Mode (Testing/Prod), Amount in Paisa, Product Details are required fields and they have been pre filled with Test keys you can change according to your requirement.
- 2. If you add another product or subtract from existing products in Product Details then you need to make sure sum of total products amount is to be equal to Amount in Paisa as well if not change amount in Paisa according to total of Products in Product list, for test we have added 4000000 in amount in Paisa which equals to total amount of products in Product details you can change according to your needs.
- 3. After clicking on Calculate Fetch EMI Options button you'll be able to see response as shown in below image.

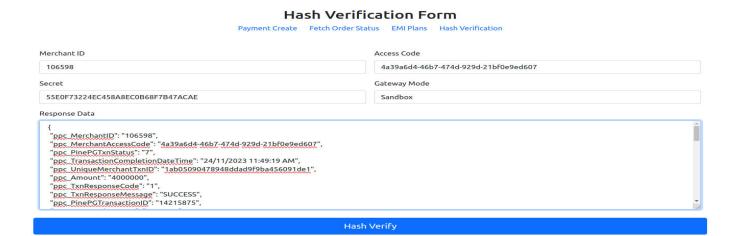
Hash Verification Process

In order for us to verify hash we need to click on Hash Verification link or navigate to this path (http://localhost:5000/payment/hash)

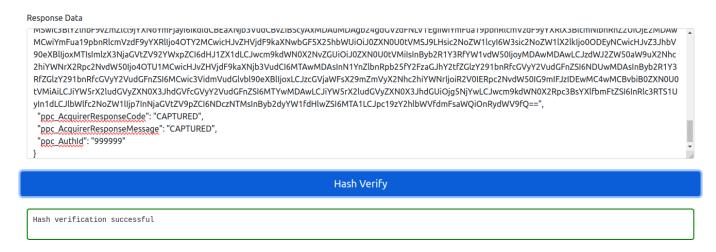
Hash Verification Form



- 1. Merchant Id, Access Code, Secret Key, Gateway Mode (Testing/Prod), Response Data are required fields and some of them have been pre filled with Test keys you can change according to your requirement.
- 2. You need to paste response data that you got while creating order or while fetching details of order in Response Data as shown below.



3. Now after clicking on Hash Verify button you'll be get Response like True or False whether hash has been verified or not.



TDR/GST Information:

Please note no additional charges like TDR, GST, etc are handled in our Plugins and the same needs to be manually handled at the merchant end.

TLS 1.2 information:

- Python 2.7.9 and Python 3.3 and above support TLS 1.2.

Note: The availability may depend on the OpenSSL version linked with Python.