PAYLOGIC

INTEGRATION

DOCUMENT

Server 2 Server

ABSTRACT :

Paylogic services provide trustworthy and feasible solutions for the registered merchants. Register as a merchant with us to know more about the features of Paylogic Payment Gateway services. We offer you the access of all major credit card, debit card, Net-banking, UPI & almost all popular wallets

Paylogic Team

Introduction:

- Web integration is the simplest, quick and easy way to integrate the Paylogic's PG in your Website. When using this mode of integration customers will be redirected from your checkout page with Server to Server communication to collect payment details which has built-in support for Saved Cards, Credit and Debit Cards, UPI & wallets.
- Paylogic's Servers which are PCI DSS compliant so that the merchant does not have to worry about the PCI DSS and do seamless mode of transaction without any hassle.
- Accept payments from your customers in a secure and quick manner with Paylogic. Your customers get a streamlined flow with the 'Checkout' form for initiating payments. The payment details shared by your customer are tokenized by Paylogic tag as data attributes. You can submit additional fields, visible or hidden, along with the form.
- With this sample code given below, Paylogic "Checkout "options will be passed as the HTML data attributes. After the completion of the checkout process, an additional field <name=id> will be added to the form containing the script tag. Post this, the form is submitted automatically. With the authorization of the payment made, the form along with the Paylogic_payment_id to the action URL.

- ❖ **Note: In the below mentioned code, replace the URL with the success callback URL of your website.**
- ❖ **Note: Paylogic provides its customers with the 'Retry' option in case of a failure.**

Environment:

- ❖ **Note: Paylogic test and production environments are same**.

- All transactions initiated by the merchant on test environment are also processed. In test environment we must suggest you to do minimum amount transactions and we assure you that all the Testing transactions will also settle in your configured bank account post document verification.

Payment Request URL: https://pg.paylogic.biz/v1/jsp/merchantpay

Payment Flow:

➢ **Generating Test Credentials**

- Login to your merchant account
- Click on My Account Tab
- Click on My Profile
- You can find Salt key and APP_ID value under Integration Tab

Note: Alternatively, you can contact the integration support team/RM to get the keys.

➢ **Checkout API**:

- Create the order form with the below suggested "Request Parameters" to perform seamless flow of transaction mode.

➢ **Generating Secure Hash:**

- Every request is accompanied by a secure Hash that verifies the request's Integrity as well as merchant identity. The secure Hash algorithm is SHA-256.
- To generate secure Hash use the following method: Take all the request parameters that are to be sent to Paylogic and sort them in ascending order according to the name of each field.
- Now prepare a String of these sorted name value params with Tiled (~) as the separator like (=).
- Next step is to append the Salt Key at the end of the parameter string given by Paylogic PaymentGateway team to you.

❖ **Note: Please append the secret key in lower case without any separator after the last value.**

- After completing the above-mentioned process, you will have to call **'SHA 256'** algorithm and pass the parameter string to the same and the SHA will return you the desired result as below.

  Hash Request Format (**UPI example**):

  AMOUNT=1200~APP_ID=77XXX641~CURRENCY_CODE=356~CUST_EMAIL=test@gmail.com~CUST_NAME=Mxxxr~CUST_PHONE=82xxxx57~
  CUST_STREET_ADDRESS1=Dxxi~CUST_ZIP=11xx32~MOP_TYPE=509~ORDER_ID=87xx0~PAYMENT_TYPE=UP~RETURN_URL=
  http://localhost/php/response.php~TXNTYPE=SALE~UPI=8286941557@paytm<mark>SECRETKEY</mark>

- Please note that the above request has to be in '**Ascending order'** by Key before converting to Hash.
- **Sample Hash value= 5932854832ecf0315bd7d16f65f4824507a4bd676268ea40236f432865598602**

Add below request parameter as per the required pay-modes.
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- **FOR UPI: PAYMENT_TYPE =**UP**,UPI=** ADDRESS OF THE CUSTOMER**,MOP_TYPE=**BANKCODE
- **FOR NB: PAYMENT_TYPE =**NB**,MOP_TYPE=**BANK CODE
- **FOR WALLETS: PAYMENT_TYPE=**WL**,MOP_TYPE=**BANKCODE

❖ **Note: You must convert the generated value to the Upper Case, and you will get the final result as below suggested hash value.**

• **Sample Hash Value= 5932854832ECF0315BD7D16F65F4824507A4BD676268EA40236F432865598602**

➢ **Submitting Form:**

   (**SAMPLE CODE WILL BE PROVIDED TO YOU AS PER THE REQUIREMENT OF LANGUAGE**)

• Once you have prepared the form the user can click on the submit button or you can implement an automatic JavaScript for form auto submit and user will be redirected to Paylogic's payment page.

   Example
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   Screenshot of HTML form that has to be used to place a request with the created   hash,
   Note: The Number of values will be increased or decreased as per the requirement same fields that are used for creating hash will be same used for initiating the below form

```html
<HTML>
    <BODY OnLoad="OnLoadEvent();" >
        <form name="form1" action="https://pg.paylogic.biz/v1/jsp/paymentrequest" method="post">
            <input type="hidden" name="APP_ID" value="12xxxxx814">
            <input type="hidden" name="ORDER_ID" value="7778xxxhhh">
            <input type="hidden" name="AMOUNT" value="100">
            <input type="hidden" name="TXNTYPE" value="SALE">
            <input type="hidden" name="CUST_NAME" value="Mxxxh">
            <input type="hidden" name="CUST_STREET_ADDRESS1" value="Dxxxi">
            <input type="hidden" name="CUST_ZIP" value="1xxx2">
            <input type="hidden" name="CUST_PHONE" value="98xxx30">
            <input type="hidden" name="CUST_EMAIL" value="user@gmail.com">
            <input type="hidden" name="CURRENCY_CODE" value="356">
            <input type="hidden" name="MOP_TYPE" value="509">
            <input type="hidden" name="UPI" value="82XXXX557@paytm">
            <input type="hidden" name="RETURN_URL" value="https://xxxxxx">
            <input type="hidden" name="HASH" value="5932854832ECF0315BD7D16F65F4824507A4BD676268EA40236F432865598602">
        </form><script language="JavaScript">function OnLoadEvent(){document.form1.submit();}</script>
    </BODY>
</HTML>
```

❖ **Note: To maximize conversion, Paylogic recommends that you redirect customers to the Payment Gateway in the same browser window.**
❖ **Note: Amount format is in the least parts without decimals like INR 1200.23 will be written as 120023 and INR 100 as 1.00**

➤ **Validating response:**

- The merchant application must validate the transaction response in the status response. This can be done as follows:
- Match the response hash that is present in the response against the merchant application calculated hash value using the response parameters.
- In case the merchant hash does not match that transaction must not be considered a successful transaction.
- For successful transaction RESPONSE_STATUS is "Captured" or "Approved".

❖ **Note: Please ensure that response Hash is validated in your production system.**

➤ **STATUS API:**
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- '**Status Check API**' can be used to get the actual status of the transaction.
- Please note use '**GET**' method to captured the actual response.

- **Status Check API** request URL: "**https://pg.paylogic.biz/v1 /services/paymentServices/StatusApi?APP_ID= Shared by Paylogic &&ORDER_ID=Generated for Transaction**'.

❖ **Note: To check the current status of any transaction you can call this status check API URL by passing your belonging APP-ID & ORDER-ID.**

➤ **Request Parameter:**

• Merchant details:

Field Name	Description	Required	Type	Min	Max	Example
APP_ID	App ID is an unique merchant identifier provided by Paylogic	Yes	NU	16	16	110234578452178
ORDER_ID	Merchant Reference Number	Yes	AN	1	50	ESN78452
RETURN_URL	URL of merchant website to get the response after transaction is processed	Yes	CH	5	1024	https://www.response.com
HASH	Unique value generated by SHA 256 hashing algorithm	Yes	AN	64	64	7995156CE4C40C44C41BECA3B9CE09B9

• **Customer details:**

Field Name	Description	Req.	Type	Min	Max	Example
CUST_NAME	Customer name	Yes	CH	1	150	John Pal
CUST_FIRST_NAME	Customer first name	Yes	CH	2	150	John
CUST_LAST_NAME	Customer last name	Yes	CH	2	150	Pal
CUST_STREET_ADDRESS1	Customer Address	No	CH	2	250	House no-101
CUST_CITY	Customer City	No	CH	2	50	Gurgaon
CUST_STATE	Customer State					
CUST_COUNTRY	Customer Country	No	CH	2	100	India
CUST_ZIP	Customer Zip	No	AN	6	9	TWQ123

CUST_PHONE*	Customer Phone	Yes	NU	2	15	0748965256
CUST_EMAIL*	Customer Email	Yes	CH	6	120	john@test.com
CUST_SHIP_LAST_NAME	Customer Shipping Last Name	No	CH	2	150	Pal
CUST_SHIP_FIRST_NAME	Customer Shipping First Name	No	CH	2	150	John
CUST_SHIP_NAME	Customer Shipping Name	No	CH	2	150	John Pal
CUSTOMER_SHIP_STREET_ADDRESS1	Customer Shipping Address	No	CH	2	250	House no-101
CUSTOMER_SHIP_STREET_ADDRESS2	Customer Shipping Address	No	CH	2	250	Block A
CUST_SHIP_CITY	Customer Shipping City	No	CH	2	250	Gurgaon
CUST_SHIP_STATE	Customer Shipping State	No	CH	2	100	Haryana
CUST_SHIP_COUNTRY	Customer Shipping Country	No	CH	2	100	India
CUST_SHIP_ZIP	Customer Shipping Zip	No	AN	6	9	122001
CUST_SHIP_PHONE	Customer Shipping Phone	No	NU	8	15	9895632512

- **Payment details:**

Field Name	Description	Req	Type	Min	Max	Example
AMOUNT	Total Sale Amount	Yes	NU	3	12	100
CURRENCY_CODE	3-digit code of the currency	Yes	NU	3	3	356(ISO 4217 numeric code)
PAYMENT_TYPE	**CreditCard**-CC,**DebitCard**-DC,**Netbanking**-NB,**UPI**-UP **WALLET**-WL Paymodes details	Yes	CH	2	2	UP
MOP_TYPE	3-digit bank code provided by '**Paylogic team**'	Yes	NU	3	3	509
UPI	VPA-Address of the customer		AN	15	15	828XXXXXX7@ybl

- **Item level details:**

Field Name	Description	Req	Type	Min	Max	Example
PRODUCT_DESC	Description of product	NO	CH	1	1024	XYZ

** ^Abbreviation NU – Numeric, CH – Character, AN – Alphanumeric **

Response Parameter:

Field Name	Description	Example value
CUST_NAME	Customer name	John Pal
TXNTYPE	Type of transaction processed	SALE/AUTH
AMOUNT	Total sale amount	100
CURRENCY_CODE	3-digit code of the currency	356
ORDER_ID	Merchant reference number	ESN78452
APP_ID	Id given by Paylogic	11023458965
TRXN_ID	Transaction id generated by Paylogicto identify the transaction	110611417421130
PAYMENT_TYPE	Type of payment mode used by customer	CC/DC/NB/UPI/WALLET
MOP_TYPE	Method of payment	VI/MC/AX
CARD_MASK	Masked card number for card txns	401200*******1234
PG_REF_NUM	Id generated by Paylogic, use for further communication with Paylogic ,for tracing the order	150611417421129
RESPONSE_CODE*	Code for transaction status	000
RESPONSE_MESSAGE*	Response message for transaction status	SUCCESS
HASH*	Unique value generated by SHA 256 hashing algorithm	7995156CE4C40C44C41BE CA3B9CE09B9
ECI	Bank issued ECI flag	
AUTH_CODE	Authorization code	123456
RRN	Bank reference number	789456132
AVR	Address verification flag	Y/N
ACQ_ID	Bank reference number	KJDNI4UT873
STATUS	Transaction status	Approved/Captured/Decline d
CUST_EMAIL	Mail address	john@gmail.com
CUST_ID	If any verification id needed to passed	111xxx233x
CUST_PHONE	Contact number	888xxxxxx8
PG_TXN_MESSAGE	Detailed message for transaction	
RETURN_URL	Merchant return URL in request	www.merchantsite.com/pay mentresponse
RESPONSE_DATE	Date of response	12102019
RESPONSE_TIME	Time of response	10:30:22
PRODUCT_DESC	Description of product	Xyz
CARD_ISSUER_BANK	Card issuing bank	HDFC
CARD_ISSUER_COUNTRY	Issuing country of the customer card	India
TOTAL_AMOUNT	Total amount debited to customer in case of surcharge model	10134

<u>Response Codes</u>:

❖ **Note: Transaction will be successful if Status = 'Captured' and Message='Success'**

Status	Message
Captured	SUCCESS
DECLINED	Declined
ACQUIRER_ERROR	Acquirer Error
DENIED	Denied
TIMEOUT	Timeout
AUTHENTICATION_UNAVAILABLE	Authentication not available
PROCESSING	Transaction Processing
Failed	Rejected by Acquirer
DUPLICATE	Duplicate
SIGNATURE_MISMATCH	Response signature did not match
CANCELLED	Cancelled by user
RECURRING_PAYMENT_UNSUCCESSFULL	Authorization success but error processing recurring payment
DENIED_BY_RISK	Denied due to fraud detection
INVALID_REQUEST	Invalid request not available
REFUND_INSUFFICIENT_BALANCE	Refund amount you requested is greater than transaction amount Your balance is insufficient to cover the Refund Amount
TXN_FAILED	Failed
SENT_TO_BANK	Status is yet to be received from Bank/Customer has left the transaction in middle
AUTO_REVERSAL	Auto Reversal
FAILED_AT_ACQUIRER	Failed by acquirer
VALIDATION_FAILED	Invalid Request
PAYMENT_OPTION_NOT_SUPPORTED	Payment option not supported