

Genie

External Merchant Integration

Version (Beta) 1.8.2



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Getting Support

The integration guide will be helpful for integrating external merchant solutions with Genie “Pay Connect”. If you have read the documentation and cannot find the solution to your question, please contact our support team.

1. Introduction

Genie is a solution for automating online payments. It processes merchant interactions with payment wallets and instruments related to credit and debit accounts in banks and also mobile wallets in telecom operators. Genie consists of an online web portal and client applications for popular smartphone platforms. Further, Genie “Pay Connect” could be used to connect your merchant portal for processing online transactions of Genie registered users.

This document describes how to integrate your website into Genie “Pay Connect” and provides step by step instructions on how quickly to start accepting payments from your online web portal or smartphone applications.

2. Payment process

2.1. Integration options

Genie “Pay Connect” currently provides a single option for external merchants to integrate. The primary integration method is based on the ready--made web form pages hosted in our Genie servers. In this case your customers will be forwarded to the Genie secured page when customers select payment option as Genie (Note: *This secured page is based on responsive design guidelines, hence, could also be integrated with smartphone applications*). Afterwards, the customer will be redirected to your system again. Your system will be notified about the payment result.

Genie “Pay Connect” contains an integration method to route transaction approvals without the customer having to leave the merchant application. In this, the sensitive information could be captured through a form hosted on merchant servers and securely sent to Genie services. However, this payment option is not released to the market and would be commissioned in the near future.

2.2. Registration process

Merchants should proceed through a registration process to activate their solution to perform payments through Genie. Merchant registration would activate a merchant business entity to host one or more payment solutions under a single settlement account. The applications should be separately registered under each merchant account.

3. Getting started

This section provides an example on how to integrate your solution into the Genie “Pay Connect”.

3.1. Check list

In order to integrate with the Genie, you must have following information. This information should be communicated to you by the Genie solution administrator to be configured in your system.

3.1.1. Merchant PG Identifier

This is the unique identifier use to identify particular merchant and PG details.

E.g. 4698762345

3.1.2. Store name

This is the unique identifier given to your store during the merchant registration process.

E.g.123456

3.1.3. Shared secret

This is a secret code provided by Genie which is unique to your application. Shared secret is part of the secure validation set of information, hence, should be stored securely in your servers.

e.g. d051c38d9d284363b917cc25270999f7

3.1.4. URL

This is the URL to establish communication between your system and Genie. You will be provided different URLs for production and development environments.

e.g. <https://www.merchant.skyfluid.com/merchant>

3.1.5. Currency

Your solution would be registered to support one or more types of currency during purchases. But currently using only for LKR. The currency code is mandatory to be present in each transaction.

e.g. LKR

3.2. Example

The following example demonstrates HTML code snippet that will communicate with Genie “Pay Connect” with HTTP POST request. When a Genie account holder selects Genie as a payment option within the merchant solution, they are redirected to the Genie secured pages, where they can authenticate payment options. After a payment has been completed, the user will be redirected to the merchant’s redirection page. The URL of the redirection page can be configured and is also a parameter in the original request.

e.g.

Base URL Demo - <http://axipay.skyfluid.com:2218>

```
<form id="ext-merchant-frm" action="{BASE URL}/merchant" method="post" accept-charset="UTF-8" enctype="application/x-www-form-urlencoded">
  <input type="hidden" id="merchantPgIdentifier" name="merchantPgIdentifier" value="">
  Total Price<input type="text" id="chargeTotal" name="chargeTotal" value=""></br></br>
  <input type="hidden" id="currency" name="currency" value="">
  <input type="hidden" id="paymentMethod" name="paymentMethod" value="">
  <input type="hidden" id="orderId" name="orderId" value="">
  <input type="hidden" id="invoiceNumber" name="invoiceNumber" value="">
  <input type="hidden" id="successUrl" name="successUrl" value="">
  <input type="hidden" id="errorUrl" name="errorUrl" value="">
  <input type="hidden" id="storeName" name="storeName" value="">
  <input type="hidden" id="transactionType" name="transactionType" value="">
  <input type="hidden" id="timeout" name="timeout" value="">
  <input type="hidden" id="transactionDateTime" name="transactionDateTime" value="">
  <input type="hidden" id="language" name="language" value="">
  <input type="hidden" id="token" name="token" value="">
  <input type="hidden" id="itemList" name="itemList" value=""> <!--added new-->
  <input type="hidden" id="otherInfo" name="otherInfo" value="">
  <input type="radio" name="title"/>Paypal<br />
  <input type="radio" name="title"/>Axipay<br />
  <br>
  <input type="submit" value="Submit"></br>
</form>
```

3.3. Test Transaction

When using our test system for integration, can use whole amounts under 10,000 LKR. We recommend using transaction type as “void” for testing purposes.

4. Mandatory fields and Optional form fields

Depending on the transaction type, the following form fields must be present in the form being submitted to the gateway.

Name	Parameter Name	Sample Data
Merchant_PG Identifier *	merchanPgIdentifier	PG00007533
Charge Total *	chargeTotal	1230
Currency *	currency	USD, LKR
PaymentMethod *	paymentMethod	Genie
Order ID*	orderId	
Invoice Number *	invoiceNumber	INV00001
Success Url *	successUrl	http://www.dialog.lk/d-app/
Error Url *	errorUrl	http://www.dialog.lk/d-app/error
Transaction Type	transactionType	Types:sale, pre--auth, post--auth, void
Timeout	timeout	The number of seconds to timeout the overall transaction
Store name*	storeName	Make of the outlet under the merchant. This outlet should be registered in Genie
Transaction Date Time*	transactionDateTime	yyyy-mm-dd H:i:s
Token*	token	A secure token created by amalgamating– store name, currency, shared secret and Trx date and time and charge total . The value is hashed with SHA-1 Note that token generation logic should

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		not be exposed to the public i.e. should not generate from front-end (e.g. html, java script) due to security concerns.
Language	language	Currently only support English
Item List	itemList	Item and the quantity list for the transaction. Should be comma separate Template <item><quantity>, e.g. Official 5v charger 1, Marker 2,SlimBook pro 3,
Other Info	otherInfo	Information to be passed to the payment gateway and return back.

* Mandatory fields

Currency code list:

Currency name	Currency code	Currency number
Sri Lanka Rupee	LKR	144

5. Transaction response

Upon completion, the transaction details will be sent back to the defined success or error URLs as hidden fields.

Field name	Description
Code	Approval code for the transaction 00:Success 01: PIN Failed 02: OTP Failed 03: PG Declined 04: Invalid Amount 05: System Issue 06: Invalid Request Sent 07: Customer Aborted
message	
trx_ref_number	A unique ID reference to identify the transaction from Genie
Status	Status of the transaction – YES/NO
trx_date_time	The date and time of the transaction processed by Genie
resp_token	A token created by amalgamating – Shared secret, Approval code, Charge total, Currency, Transaction date and time, Store name
Invoice number	The original transaction number sent by merchant in the request
Charge_total	Total amount of the transaction

6. Document History

Revision	Date	Name	Comments
1.0	07 January 2016	Aloka Wimalaratne, Aruna Chandrasekara, Chaminda Ranasinghe	Initial draft to be released to first round of beta merchant integration.
1.5	28 April 2016	Aloka Wimalarathne, Aruna Chandrasekara	
1.6	23 June 2016	Aloka Wimalarathna	Update base URL
1.7	17 March 2017	Aloka Wimalarathna	3.2 update example- HTML 4. Mandatory fields and optional form fields- update table
1.8	30 March 2017	Aloka Wimalarathna	3.2 Update example-HTML
1.8.1	26 April 2017	Aloka Wimalarathna	3.1.4 updated sample URL