easypaisa

Easypaisa

Merchant Integration Guide for New Checkout

Plugin Integration

easypaisa

Checkout Integration Guide

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Introduction

Easypaisa checkout plugin for Magento platform gives you the ability to integrate with Easypaisa Online Payment System. Easypaisa Online Payment System is an electronic payment solution that enables internet users to make financial transaction online via the EasyPaisa gayment gateway. The plugin can be easily and seamlessly integrated into an existing website, web store or any of your online presence that is built using Magento framework. The plugin contains the enablement of following two facilities that are provided by Easypaisa Online Payment System:

1. Redirection Based Easypaisa Checkout Integration
2. Support for IPN feature

This Easypaisa plugin for Magento based websites is built upon Magento versions 2.3.4 and higher.

Pre-requisites

1. You must be a registered merchant of EasyPaisa
2. You must have a merchant account with following defined in merchant portal:
    a. IPN URL
    b. Store ID
    c. Hashkey
3. Remove old EasyPaisa checkout plugin

Steps for Plugin Installation

Step 1: Manage Setup Files

For the enablement of the module firstly please unzip the module provided by Telenor POC. Now copy app folder in your Magento root.

Name	Date modified	Type	Size
app	3/7/2018 1:30 PM	File folder	
bin	2/8/2018 12:39 PM	File folder	
dev	2/8/2018 12:42 PM	File folder	
lib	2/8/2018 12:42 PM	File folder	
phpserver	2/8/2018 12:42 PM	File folder	
pub	2/8/2018 12:42 PM	File folder	
setup	2/8/2018 12:42 PM	File folder	

Name	Date modified	Type	Size
Easypaisa	3/7/2018 1:30 PM	File folder	

Step 2: Setup Wizard

Now Access Admin Panel -> System -> Web Setup Wizard -> Component Manager.

Setup Wizard

HOME
COMPONENT MANAGER
SYSTEM UPGRADE
SYSTEM CONFIG

Welcome to the Magento Setup Tool. Please choose a task below.

Component Manager
I want to manage my packages and modules.

System Upgrade
I want to upgrade my Magento Admin version.

System Configuration
I want to change my Magento system configurations.

Step 3: Install EasyPaisa

Easypaisa plugin should be visible in Components list, from actions Install and Enable Easypaisa Module.

Steps for EasyPaisa Integration

Integrating Easypaisa Payment Gateway

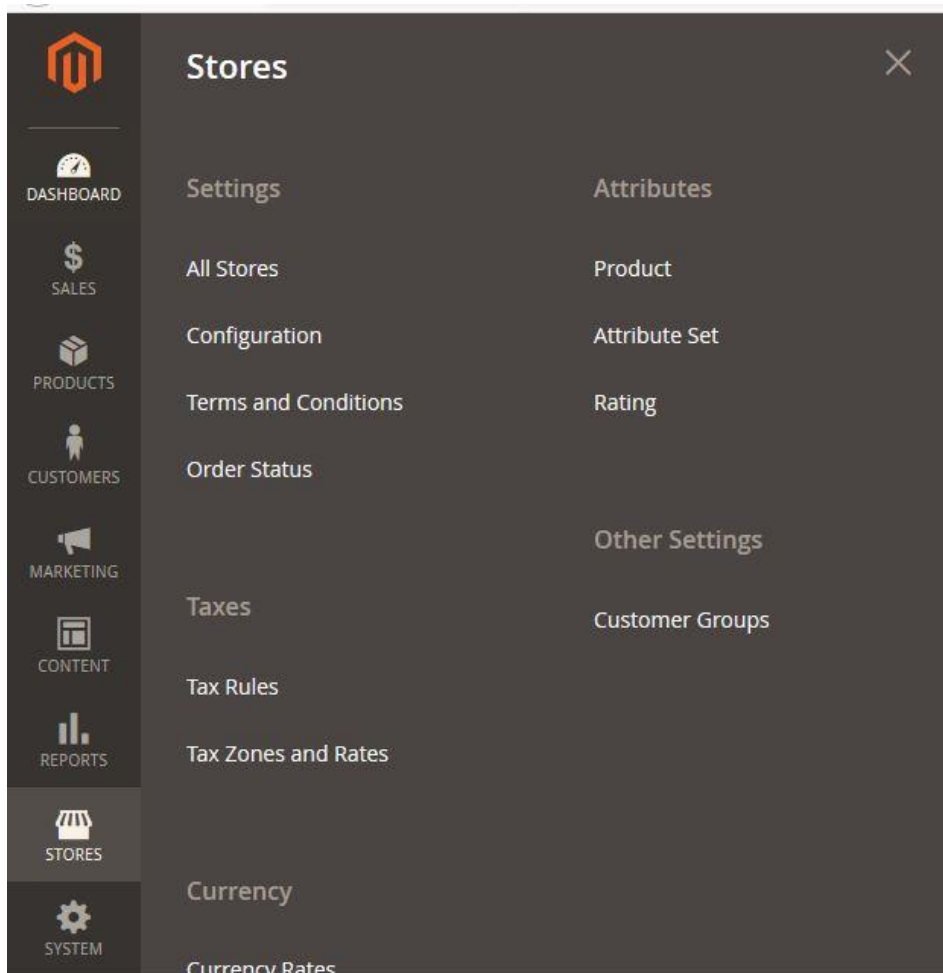Now that the module is deployed on your server you need to enable your Easypaisa payment method.

Step 1:

Access Admin Panel go to System -> Stores -> Configuration.

Step2:

Now select Sales-> Payment Method from left navigation menu. Easypaisa configuration should appear as follows:

Step3:

Following variables are configurable that need to be changed according to environment you are using:

1. **Enabled**: Determines either the payment method is enabled or not.
2. **Title**: The tile of the payment method that will be displayed on the checkout screen for the payment method.
3. **Store Id**: The Easypaisa Merchant Store Id that is provided to you by EasyPaisa, this will be configured based on the environment you are using.
4. **Expiry Date Enabled**: Either the expiry is set by merchant or the default OPS expiry is used.
5. **Merchant's Token Expiry Date**: Number of days the merchant wants its OTC token to be expired in, this will be an integer value.
6. **Live**: Allows the merchant to switch between staging and production environment. Please select No for access to Easypaisa test environment and select Yes for production environment.
7. **Hash-Key**: Allows the merchant to send the request to Easypaisa in an encrypted package, this will prevent any kind of data tempering by any external entity. The merchant needs to copy here the same key which is defined in Easypaisa Merchant Portal.
8. **Payment Method**: The method of payment (Credit Card, Mobile Account, Over the Counter or all three) the merchant wants to use for payments.

After configuring the   above-mentioned variables and placing the code in the mentioned folders the Easypaisa payment method is enabled in your E-Commerce platform of Magento.

You are now ready to test the checkout flow of Easypaisa Payment Method

Postback URL after Order

Once a customer has placed an order from your website, the EasyPaisa plugin will redirect the user back to the page from which the user navigated to the checkout page. Merchants do not need to manage postback URLs for successful or failed transactions explicitly.
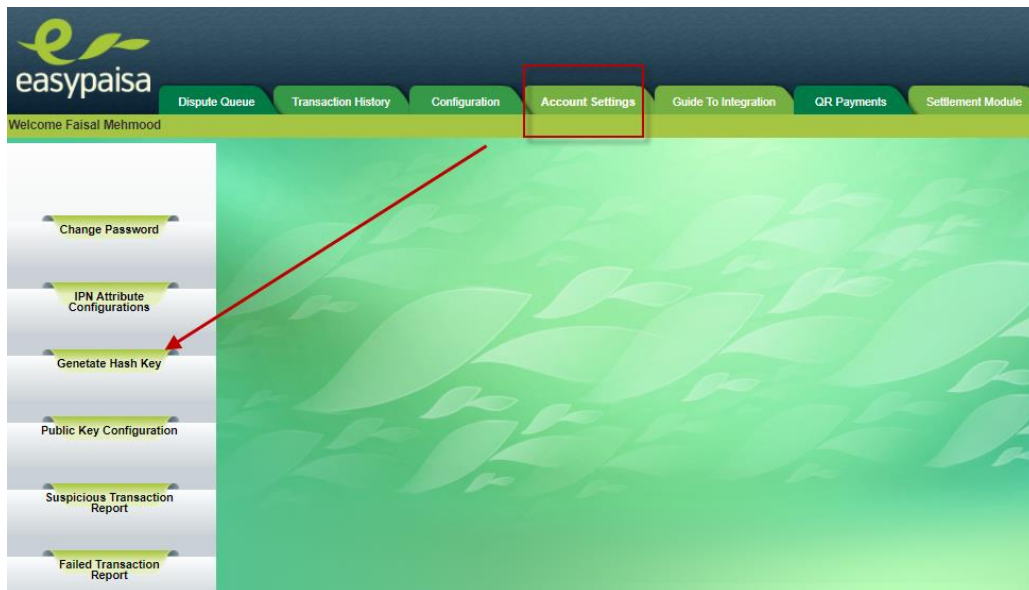
Managing Order Status

This EasyPaisa Plugin will manage the status of orders in your platform's transaction table based on the postback parameters received to the plugin.

Get Your Hashkey

You can find you hashkey from the Merchant Portal by following the path below:

Merchant Portal → Account Settings → Hashkey

You will see a generate Button. Click this button to generate hashkey.

Integrating IPN feature

The IPN feature is by default enabled after the enablement of Easypaisa Payment Method, the merchant just needs to configure the URL in the OPS Merchant Portal. The Easypaisa IPN URL for the merchant is as follows:

http://host:port/magentoroot/Easypaisa/index/Easypaisaipn

Instant Payment Notification (IPN) integration

Instant payment notification message is used to notify merchants about the details of any particular transaction made by customers using payment gateway channel. IPN message is self-configured in Payment Gateway for each merchant. It is customized as to what details merchant requires in response for any particular transaction. The IPN message service sends merchant a notification whenever Payment Gateway transaction is created (with 'Paid' status) or is updated to 'Paid'.

IPN Handler URL is the Merchant's IPN listener URL where Merchant will be expecting the response from Payment Gateway. IPN message will contain the selected parameters configured for merchant using below mentioned screen in merchant portal.

Payments Flow

1- Transaction is initiated by the customer through merchant's site on check out page.
2- Payment Mode - OTC:
   a. OTC token is generated by PG and shown to customer.
   b. Customer pays the amount against the OTC token at Easypaisa shop.
   c. UBPS updates the transaction status in Payment Gateway.

3- Payment Mode - MA:
   a. Payment Gateway invokes Fundamo API to initiate a transaction
   b. Fundamo sends a confirmation message to the customer.
   c. Customer confirms the transaction.
   d. Fundamo sends the response back to Payment Gateway and system creates a transaction with paid status.

4. Payment Gateway will send an IPN message to the merchant system. It will be send to the URL configured against the Merchant.

   Following is the format for URL:
   MerchantURL?url=Rest API URL/Merchant Account ID/Order ID
   Where url = is the reserved word added by the system.

   For Example: Merchant URL = http://www.TestMerchant.com
   Rest API URL = https://easypay.easypaisa.com.pk/easypay-service/rest/v1/order-status
   Merchant Account ID = 00001 OrderID = 998877
   IPN Message will be: https://www.TestMerchant.com?url=
   https://easypay.easypaisa.com.pk/easypay-service/rest/v1/order-status/1000223344/998877

5. Merchant will parse the Rest API URL from IPN Message and post it to Payment Gateway to get the desired response.

   For Example:
   From the actual IPN Message highlighted part will be parsed by Merchant and will be posted back to Payment Gateway. http://www.TestMerchant.com?url=
   https://easypay.easypaisa.com.pk/easypay-service/rest/v1/order-status/1000223344/998877

6. Payment Gateway will receive the request URL from Merchant and will return the response containing all the IPN Attributes configured for that particular Merchant.

   Sample:
   {"store_name":"test","store_id":"161","response_code":"1","account_number":"1000223344","description":"Success","transaction_id": 1,"order_id":"998877"}

Test Data

MA Account

Mobile Number:

Email: Any

OTC

Mobile Number: Any

Credit Card

Card Number: 5111-1111-1111-1118

CVV: 100

Expiry: 05/21

Mobile Number: Any

Email: Any