Magento 2 integration guide (for version 2.4.3)

1. Steps to setup Magento 2:

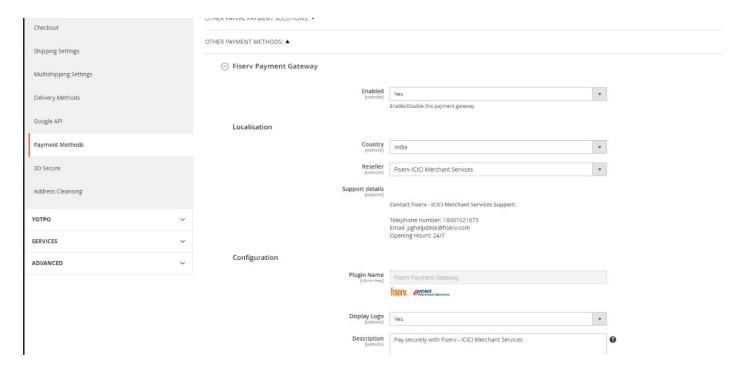
Server Requirements:

The first step in setting up your Fiserv Payment gateway is to install Magento2 along with Fiserv Plugin itself. But before doing *so*, you should check your hosting environment. As a guide, we recommend

- PHP requirements:
 - 1. Version: (Minimum) [7.1.x], (Recommended) [7.4.X].
 - Required php.ini settings: For versions 7.4.x, uncomment "always_populate_raw_post_data= -1".
 - 3. Memory limit: 1024M (Minimum), 2G (Recommended).
 - Extensions to be enabled: curl, gd2, intl, mbstring, mcrypt, openssl, PDO/MySQL, SimpleXML, xsl, zip, xmlrpc, sodium, fileinfo, pdo_odbc, pdo_sqlite, soap, sockets, sodium,
- Apache Requirements.
 - 1. Version: Apache (2.4).
 - 2. Settings to be changed in **<Apache root directory>/conf/httpd.conf**:.
 - Enable mod_rewrite.so, mod_access_compat.so.
 - Change AllowOverride None to AllowOverride All under "<Directory "\${SRVROOT}/htdocs"> ".

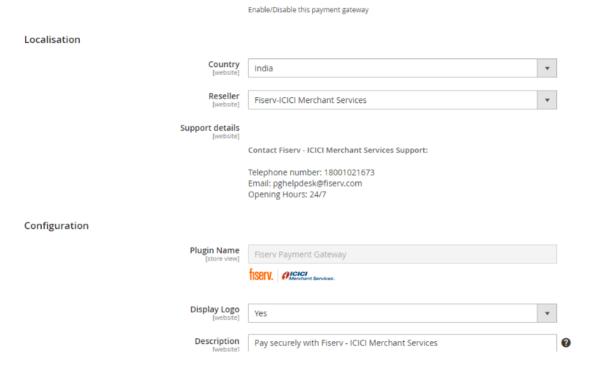
2. Steps to install Fiserv Payment Gateway Plugin in magento2.

- Unzip the code drop and copy the files to app/code folder
- After copying all the files, open a command prompt window and run the following commands.
 - 1. cd <Your Magento2 Installation directory>.
 - 2. php bin/magento setup:upgrade.
 - 3. php bin/magento setup:static-content: deploy
 - To check whether our plugin has been installed, login to Magento admin Panel and navigate to Stores > Configuration > Sales > Payment Methods.

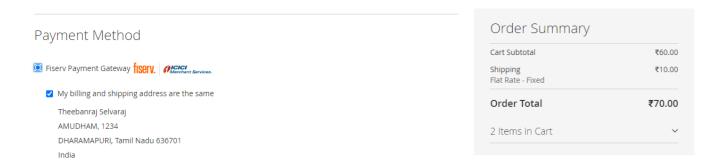


Plugin Configuration

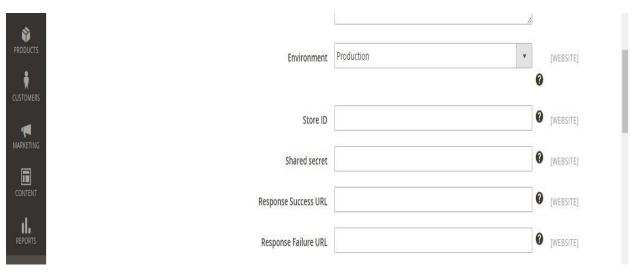
• **Localization**: Select country and reseller you wish to setup the Fiserv Payment from the country and reseller drop down respectively.



• **Display Logo**: If you wish to show Reseller logo in the checkout page, enable "Display Logo" dropdown. Upon enabling reseller logo will be displayed in checkout page as like below.

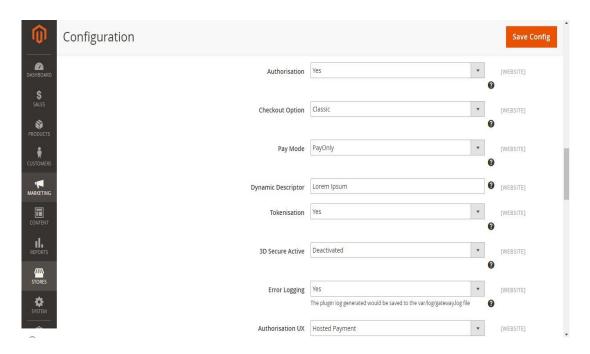


- Description: Enter the Plugin Description to display in checkout screen.
- **Environment**: Select the environment you wish to setup the Fiserv Payment Gateway. Provide valid "**Shared Secret**" and "**Store name**" in respective fields.
- **URL configuration**: Plugin will have default built-in URL for Success, Failure and Notification URL, if not provided by Merchant in the configuration for the Success, Failure and Notification URL.
 - Merchant can customize the Success, Failure and Notification URL at their own risk of updating order detail, inventory & cart modifications based on Fiserv Gateway response.



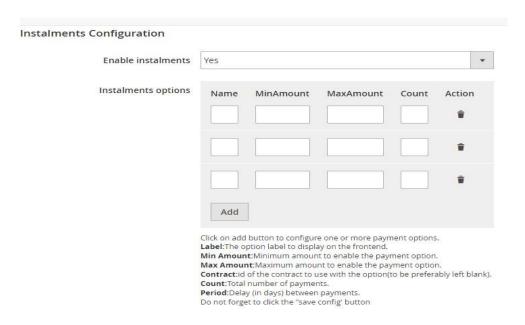
- **Authorisation** dropdown is to enable transactions to be sent for settlement automatically, if disabled the transaction will need to be manually sent for settlement.
- Checkout Mode dropdown will give the option to select one of the below:

- Combined Page (Consolidates the payment method choices and the payment method into a single page).
- Classic (Splits the payment process into multiple pages).
- Payment Mode dropdown will give the option to select one of the below: This setting is available only when "Checkout Mode" is set as "Classic".
 - PayOnly (Only the Card Number, Expiry Date and CVC are collected in Fiserv Payment Gateway).
 - PayPlus (Card Number, Expiry Date, CVC and a full set of billing information collected in Fiserv Payment Gateway).
 - FullPay (Card Number, Expiry Date, CVC and a full set of billing and shipping information collected in Fiserv Payment Gateway).
- Enabling **Tokenisation** will store customer card details in Fiserv Gateway for future transactions. Select **Enabled** in the Tokenisation dropdown to enable it.
- **3D Secure** dropdown will have active or deactive options. Merchants need to be registered to avail this service and this can be done by contacting the relevant Fiserv Gateway support team.
- **Dynamic Currency Conversion**: Dynamic Currency Conversion offers customers the choice to either pay in your currency or their own currency at the checkout, based on a real-time currency conversion.
- Enabling **Error Logging** will save debug messages to the log file. The path to the log files is shown near the Error Logging dropdown
- **Authorisation Method** dropdown will give the below option for selection.
 - ➤ Hosted Payment (Hosted Payment Method will redirect the user to Fiserv Payment Gateway page to collect payment information like card details)



Instalments

Merchant can setup different instalment options in plugin. Upon enabling instalments
and Instalment configuration in the plugin, Customer will be provided the option on the
Checkout page to choose either full payment or Instalment payment.

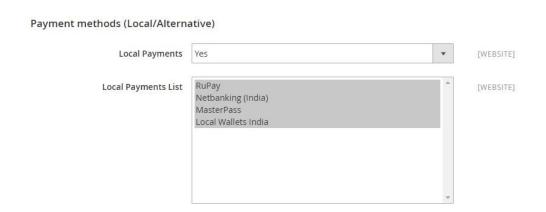


- **Label:** The option label to display on the frontend.
- **Min Amount:** Minimum amount to enable the payment option.
- Max Amount: Maximum amount to enable the payment option.
- **Count:** Total number of payments.
- Period: Delay (in days) between payments. (Available only for Fiserv Mexico Reseller).

Local Payment Method

• List of Local payment available for selected reseller will listed in the Payment Method drop down, Merchant can enable or disable local payment using "Local Payments" dropdown.

Merchant can choose multiple local payment method from the Local Payments List drop down.

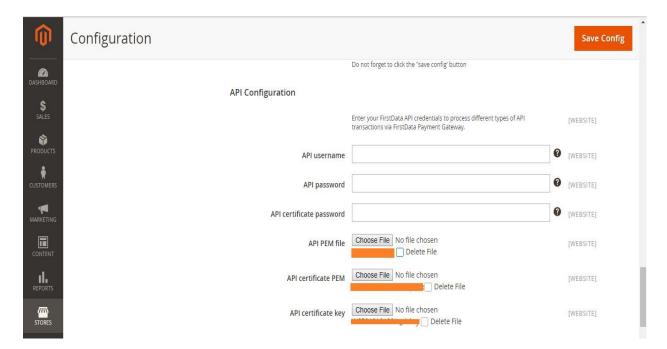


- To view the available Local payment methods for the selected country/reseller, save the configuration.
- Upon enabling Local Payment Method, check out screen will have option for user to choose the local payment method.

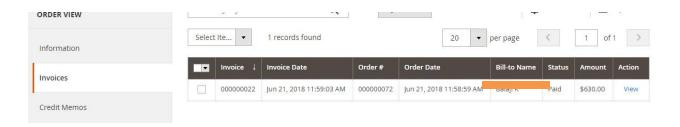


Void and Refunds

Configure API credentials and upload the required Server Trust, certificate PEM and Certificate
Key files to perform Refund via Fiserv Gateway plugin. Please make sure that your hosting server
is enabled with API server recommendation (Refer API Server Recommendations in this guide at
bottom).



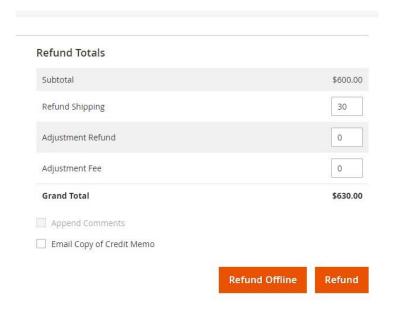
- To issue an order refund in Magento, follow these steps:
 - In the Magento Admin Panel, go to Sales, and then select Orders.
 - In the order overview page, browse to the order you want to refund, and then click it.
 - In the **Order View** left-hand navigation sidebar, click **Invoices**.



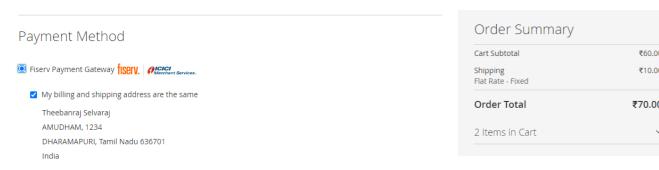
- In the invoice overview page for the selected order, click the order invoice you need to create a refund for.
- Click Credit Memo on the top-right corner of the page.



> In the **New Credit Memo for Invoice** page, scroll down to the **Refund Totals** pane.



- > In this pane you can define and issue a regular **Refund** or a **Refund Offline**.
- ➤ **Refund**: this option triggers the IPG payments API to automatically execute a refund for the transaction.
- ➤ **Refund Offline**: an offline refund does not trigger the IPG payments API. You need to take action and carry out the refund manually
- Saving Plugin Configuration: Click on the "Save Config" button to save the configuration.



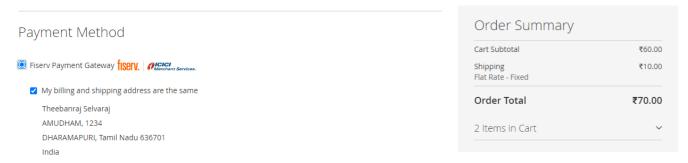
You have successfully integrated the Fisery Payment Gateway with Magento2.

3. Multi-language Support:

- You can download the Magento translations at https://amasty.com/knowledge-base/add-magento-2-language-pack.html
- Create a folder with the Locale code of the language as its name and unzip the language pack to this folder
- Run below commands in CLI,

cd <Your Magento2 Installation directory>.
php bin/magento setup:upgrade php bin/magento
setup:static-content:deploy [locale_code] php
bin/magento setup:static-content:deploy [locale_code]

- To translate the Fiserv plugin text, Navigate to **System>>Configuration**.
- Under **Locale Options**, change the Locale dropdown to your desired language. (The plugin currently supports English and Spanish)
- Save the configuration by clicking the "Save Config" button.
- Refresh the cache under System>>Cache Management.
- You can view the translated checkout page for the Fiserv plugin as shown below.



Check your host supports php_fileinfo and curl extension. If not, please follow below instruction to enable it.

How to identify extension curl and fileinfo are installed in host?

- Add a new file to your website titled phpinfo.php and include the following code: <? php phpinfo ();?>
- View the following URL in your browser: **example.com/phpinfo.php** \(\square\$ You should see the following in the page that appears:

To check for fileinfo extension

fileinfo

fileinfo support	enabled
version	1.0.5
libmagic	517

To check for curl extension

curl		
cURL support	enabled	
cURL Information	7.56.0	
Age	3	
Features		
AsynchDNS	Yes	
CharConv	No	
Debug	No No	

How to install curl extension in Linux server

- To install curl type below comment in terminal sudo apt-get install php5-curl
- Edit php.ini file nano

/etc/php5/apache2/php.ini

You will need to restart the server afterwards:
 sudo service apache2 restart

How to install curl extension in Windows server

- Add or Uncomment extension=php_curl.dll extension in php.ini file extension=php_curl.dll
- You will need to restart the server verify it by executing phpinfo.php

How to install fileinfo extension in window server

This extension is enabled by default as of PHP 5.3.0 for lower version of PHP follow below steps.

- Add php_fileinfo.dll to the list of enabled extensions extension=php_fileinfo.dll
- Download GNU file package for windows
- Get it from here: http://gnuwin32.sourceforge.net/downlinks/file-bin-zip.php Extract the folder from the archive called shared\file which contains 4 magic files (magic, magic.mgc, magic.mime, magic.mime.mgc).

- Place these 4 files in a known place
- Add system environment variable MAGIC that points to the file called magic. For example if you placed magic files in folder called magic in c:\php that means that the proper path is c:\php\magic\magic
- Restart IIS server and verify it by running the phpinfo.php .

How to install fileinfo extension in Linux server

This extension is enabled by default as of PHP 5.3.0. For lower version of php version follow below steps.

- Edit php.ini file nano /etc/php5/apache2/php.ini
- Add php_fileinfo.dll to the list of enabled extensions extension=fileinfo.so
- You will need to restart the server afterwards by running **sudo** service apache2 restart.
- Verify it by executing the phpinfo.php.