

## PrestaShop Extension

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## 2. Installation in PrestaShop

### 2.1 Requirements

- Pre-install PrestaShop version 1.4.
- The server has to be accessible for external HTTP requests.

Note: Payment validation will not work properly if your site is in maintenance mode or protected with HTTP Basic authentication.

### 2.2 Installation Process

The Ingenico ePayments PrestaShop extension module is available on the PrestaShop Add-ons platform (<http://addons.prestashop.com/en/1798-ogone.html>) and does not require any special procedure to install. The module is compatible with PrestaShop 1.6.x and 1.5.x. Some functionalities are currently not available for PrestaShop 1.4. In order to activate Direct-Link / Alias functionalities, PHP extensions mcrypt, curl and simplexml should be activated. In complying with security standards, TLS protocol 1.2 should be available. In the "Modules" tab you can find the module:

- by searching in the "Catalogue of modules and themes" with PrestaShop 1.5 or higher.
- by using the option "Add a module from PrestaShop Add-ons" with Prestashop 1.4.

**Note:**

The module is compatible with PrestaShop 1.6.x and 1.5.x. Some functionalities are currently not available for PrestaShop 1.4

### 3. Configuration

#### 3.1 Ingenico ePayments back office

Log on to your Ingenico ePayments back office to enter the required settings.

At your first log on to your account, you have to complete the following list of configuration steps for your test account:

- Administrative details
- Payment methods
- Technical information
- Request activation

Once your test account has been activated and you would like to change some details, you can still navigate to the various configuration pages via your Ingenico ePayments account menu.

##### 3.1.1 Technical information

In order to get the extension up and running and to benefit from our support if needed, it's important that you follow the steps as described below.

1. Go to "Configuration" > "Technical Information" > "Data and origin verification":

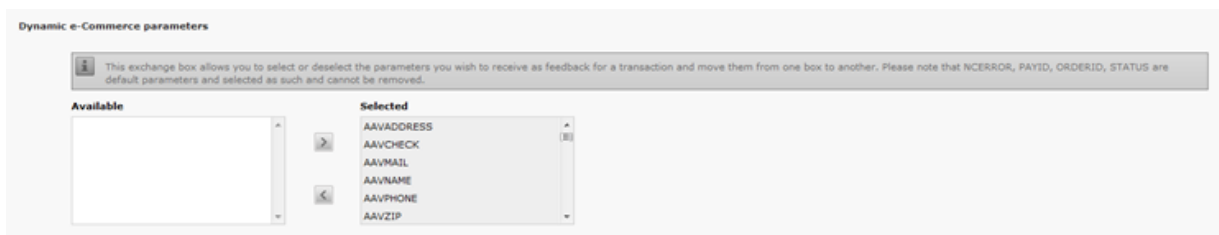


1. In the "Checks for e-Commerce & Alias Gateway" section; fill in the "SHA-IN pass phrase" with the secret key of your choice. You will also have to set-up the same string in the [PrestaShop back office](#). To verify the data that is submitted to our system, our Ingenico ePayments platform requires the SHA secure data verification method.

Field	Description
SHASIGN	Unique character string for order data validation. A string hashed with the SHA-1 algorithm will always be 40 characters long.

2. Click the "Save" button.
2. Select the "Global Transaction parameters" tab:
  1. In the "Default operation code" section; select "Sale".
  2. In the "Default data capture (payment) procedure" section; keep the first option, as this mechanism is not used with the PrestaShop extension.
  3. In the "Payment retry" section; we advise to change the value to 3 (instead of the default value of 10).
  4. In the "Processing for individual transactions" section; select "Online but switch to offline when the online acquiring system is unavailable".
  5. Click the "Save" button.

3. Select the "Global security parameters" tab:
  1. In the "Hashing method" section; select "SHA-1" for the "Hash algorithm" option and "UTF-8" for the "Character encoding" option.
  2. In the "Template" section; select "Yes" for the "Enable JavaScript check on template" option and "No" for the "Allow usage of static template" option.
  3. Click the "Save" button.
4. Select the "Transaction feedback" tab:
  1. In the "e-Commerce - HTTP redirection in the browser" subsection:
    1. In **each field** for URL redirection (Accepturl, Declineurl, Exceptionurl, Cancelurl); fill in the same value "YOUR\_SHOP\_URL/modules/ogone/confirmation.php".
    2. Select the "I would like to receive transaction feedback parameters on the redirection URLs" and "I would like Ingenico ePayments to display a short text to the customer on the secure payment page if a redirection to my website is detected ..." options.
  2. In the "e-Commerce - Direct HTTP server-to-server request" subsection:
    1. Select "Online but switch to a deferred request when the online requests fail."
    2. In **both fields** for "URL of the merchant's post-payment page"; fill in the value "YOUR\_SHOP\_URL/modules/ogone/validation.php".
    3. Select "GET" as "Request method".
  3. In the "e-Commerce - Dynamic e-Commerce parameters" subsection; select all available parameters.



4. In the "General" section; select I would like Ingenico ePayments to display a "processing" message to the customer during payment processing.
  5. In the "All transaction submission modes - Security for request parameters" subsection; fill in the "SHA-OUT pass phrase". The SHA-OUT pass phrase **must be identical** to the previously entered [SHA-IN pass phrase](#).
  6. In the "All transaction submission modes - HTTP request for status changes" subsection; select "For each offline status change (payment, cancellation, etc.)." and fill in the value "YOUR\_SHOP\_URL/modules/ogone/validation.php".
  7. Click the "Save" button.
5. Select the "Transaction e-mails" tab:

In the "E-mails to the merchant" section; perform the following optional actions if you want to receive email for any transaction notification:

    1. Fill in your email address.
    2. Select "Yes, for all transaction submission modes" for the "Receive transaction confirmation e-mails" option.
    3. Select "Yes, for each offline status change (payment, cancellation, etc.)." for the "Receive e-mails in the event of offline transaction status changes" option.
    4. Click the "Save" button.
  6. Select the "Test info" tab.

In the "Test info" section; select the "I would like to simulate transaction results based on the card number" option.

### 3.1.2 Module configuration-Ingénico

To use the advanced functionalities, DirectLink has to be activated and configured, and assign a dedicated user.

Tab	Field	Value	Notes
Data and origin verification	URL of the merchant page containing the payment form that will call the page: orderstandard.asp	[EMPTY]	
	SHA-IN pass phrase		
	Checks for Ogone DirectLink and Ogone Batch (Automatic)	[Server's IP]	Displayed on config page in Prestashop, tab "configuration" (on right)
	SHA-IN pass phrase	[PASSPHRASE]	
Transaction feedback			
	Accepturl	[http://shopurl.com]/modules/ogone/confirmation.php	Urls are displayed in Prestashop BO, in sidebar in "Configuration" tab
	Declineurl	[http://shopurl.com]/modules/ogone/confirmation.php	Urls are displayed in Prestashop BO, in sidebar in "Configuration" tab
	Exception	[http://shopurl.com]/modules/ogone/confirmation.php	Urls are displayed in Prestashop BO, in sidebar in "Configuration" tab

	Cancelurl	[http://shopurl.com]/modules/ogone/confirmation.php	Urls are displayed in Prestashop BO, in sidebar in "Configuration" tab
	I would like to receive transaction feedback parameters on the redirection URLs.	[YES]	
Direct HTTP server-to-server request	Timing of the request	Online but switch to a deferred request when the online requests fail.	
	If the payment's status is "accepted", "on hold" or "uncertain".	[http://shopurl.com]/modules/ogone/validation.php	Urls are displayed in Prestashop BO, in sidebar in "Configuration" tab
	If the payment's status is "cancelled by the client" or "too many rejections by the acquirer".	[http://shopurl.com]/modules/ogone/validation.php	Urls are displayed in Prestashop BO, in sidebar in "Configuration" tab
	Request method	GET	
	HTTP request for status changes	For each offline status change (payment, cancellation, etc.).	
	URL on which the merchant wishes to receive a deferred HTTP request, should the status of a transaction change offline.	[http://shopurl.com]/modules/ogone/validation.php	Urls are displayed in Prestashop BO, in sidebar in "Configuration" tab



	Dynamic e-commerce parameters	ACCEPTANCE AMOUNT BRAND CARDNO CURRENCY NCERROR ORDERID PAYID PM, STATUS	
	Alias gateway and Tokenization Dynamic parameters	ALIAS.ALIASID CARD.BRAND CARD.CARDNUMBER CARD.CARDHOLDERNAME CARD.EXPIRYDATE ALIAS.NCERROR ALIAS.STATUS ALIAS.STOREPERMANENTLY	If alias is needed
	General	I would like Ogone to re-launch the "end of transaction" (post-payment request/redirection) process if required.	
	SHA-OUT pass phrase	[PASSPHRASE]	
	HTTP request for status changes	For each offline status change (payment, cancellation, etc.).	
	URL on which the merchant wishes to receive a deferred HTTP request, should the status of a transaction change offline.	[http://shopurl.com]/modules /ogone/validation.php	Urls are displayed in Prestashop BO, in sidebar in "Configuration" tab
	DirectLink Dynamic parameters	ACCEPTANCE ALIAS AMOUNT BRAND CREATION_STATUS CURRENCY ECI NCERROR NCERRORPLUS NCSTATUS ORDERID PAYID	

		PM STATUS. SUBSCRIPTION_ID VALID VC SCO_CATEGORY SCORING	
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### 3.2 PrestaShop back office

Perform the following steps after the installation of the extension:

1. Login to your PrestaShop back office.
2. Go to "Module" > "Payment" > "Ingenico ePayments".
3. Click on the "Configuration" tab.
4. Select the option and fill in the following information.

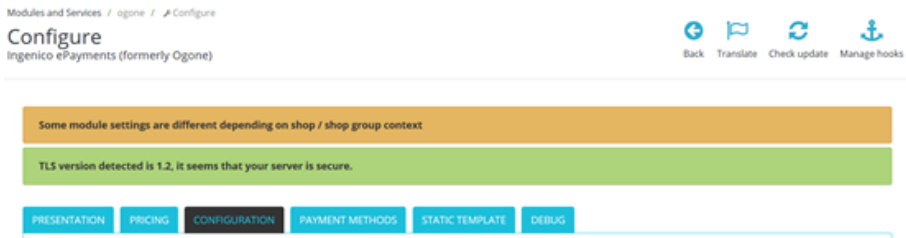
Setting	Description
PSPID	Fill in the PSPID of your Ogone account. Verify if both accounts (Test and Production) are created.
SHA-IN Pass phrase	Fill in the <a href="#">SHA-IN passphrase</a> that you have setup in your Ingenico ePayments back office at "Technical information" > "Data and origin verification". Attention: the SHA-IN passphrase can be different for Test and Production mode.
SHA-OUT Pass phrase	Fill in the SHA-OUT passphrase that you have setup in your Ingenico ePayments back office at "Technical information" > "Transaction feedback". Attention: SHA-OUT passphrase can be different for Test and Production mode.



#### 3.2.1 Module configuration-PrestaShop

**Note:**

Additional information displayed in the modules configuration page are warning and error message for misconfigurations. There are four types of messages: error, warning, notification, and success.



For multi-store, configuration is bound to specific store context. Each store might require different configuration. A warning message will urge merchants to verify its accuracy if the configuration differs for each store.

## 4. Module usage-PrestaShop Back-Office

A new tab on the Order view in PrestaShop BO allows display fraud scoring category and capture and refund forms to be displayed.



Capture is limited to the order amount minus the captures done (successful transaction with status 9) and pending captures. Refund is limited to the paid order amount minus the refunds done (successful transaction with status 8) and pending captures. Scoring is displayed if the corresponding option is checked in the module configuration page. Currently only scoring category (Green / Orange / Red) is displayed. To use this functionality, DirectLink must be activated. When refund or capture is performed, a private notification appears in the order message section. The validation of the refund/capture is done when Ingenico server performs direct HTTP request. There is a delay of about 10 - 15 minutes between launching operation and confirmation. When the first payment is captured, status is changed to "payment processing". When the captured amount matches the total amount of order, the order status is updated to "payment accepted". Each payment is logged separately. A new tab in the BO (Orders -> Ingenico ePayments Transactions) allows the visualization of all transactions registered via PrestaShop (payment validation, state changes).

Orders / Ogone Transactions

### Ogone Transactions

OGONE TRANSACTIONS 52

Order	Id cart	Id order	Date	PAYID	Platform payment status	
ICEVDHCY	6	0	2016-07-01 15:32:37	3005362059	Payment processing	View
ICEVDHCY	6	0	2016-07-01 15:32:37	3005362059	Payment processing	View
ICEVDHCY	6	6	2016-07-01 15:32:42	3005362059	Payment processing	View
PDJHUTKS	14	0	2016-07-01 16:42:24	3005365413	Payment processing	View
PDJHUTKS	14	0	2016-07-01 16:42:24	3005365413	Payment processing	View
PDJHUTKS	14	7	2016-07-01 16:42:26	3005365413	Payment processing	View
QKZQUDOS	17	0	2016-07-03 22:31:25	3005478913	Payment processing	View
QKZQUDOS	17	0	2016-07-03 22:31:25	3005478913	Payment processing	View

Click on the transaction row or "View" button to display the transaction information.

Orders / Ogone Transactions

### View

Transaction

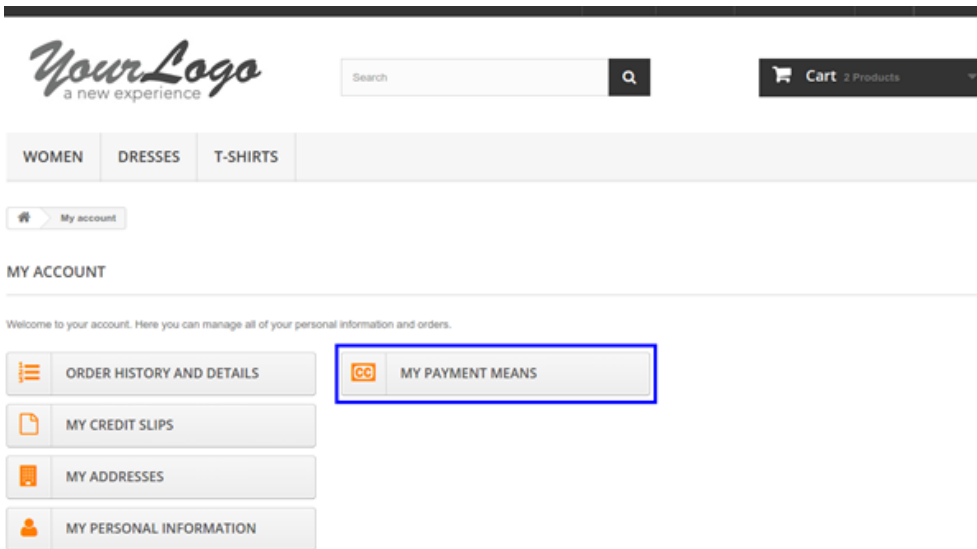
PAYID: 3005478913  
 Cart id: 17  
 Order id: 8  
 Customer id: 2  
 Status: 9

Response: [{"ORDERID":"17-olrac", "PAYID":"3005478913", "NCSTATUS":"0", "NCEERROR":"0", "ACCEPTANCE":"test123", "STATUS":"9", "SCF":"0", "AMOUNT":"32.4", "CURRENCY":"EUR", "PM":"Direct Debits DE", "BRAND":"Direct Debits DE", "SCORING":null, "SCO\_CATEGORY":"0", "ALIAS":"2\_82058acefcd3eeaf3f6de48822804908e5e", "NCEERRORPLUS":"","w"}]

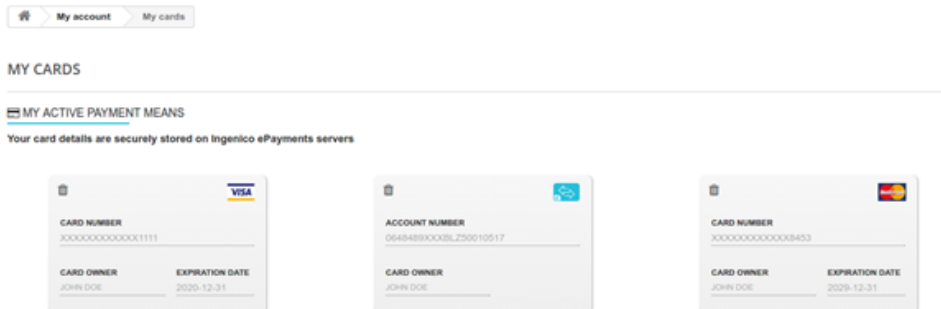
Date: 2016-07-03 22:31:26

A new tab in the BO (Orders -> Ingenico ePayments Orders) summarizes all orders paid with the Ingenico module.

## 5. Module usage-PrestaShop Front-office



A new tab “My Payment Means” is available in the “My account” section when the alias usage is activated. When alias is created, it appears in this section.



Alias can be created directly in the payment section or in the “My payment means” section and deleted by clicking on the trash icon in the upper-left corner. They cannot be edited.


Both case creation are realized via FlexCheckout (Hosted Tokenisation Page) and embedded via iframe. Some security settings or antivirus programs can block FlexCheckout display. When embedded form is processed, operation result is displayed in the same iframe. If operation is successful, redirection (depending on context) displays newly added alias and (if configured to do so) executes payment. This redirection is executed with JavaScript; if JavaScript is deactivated or erroneous on the page, redirection will not function properly (although alias will be saved and be visible after refreshing the page).


If there is an error, it is displayed in a red box and redirection will not happen, giving the user an opportunity to transfer error messages to merchants.



Alias names are generated in semi-random manner, having format <number>\_<hex digits>, when number corresponds to PrestaShop's client internal id.



Aliases are stored in the database and alias name is encrypted (using native PrestaShop encryption).



### 3 PLEASE CHOOSE YOUR PAYMENT METHOD


 **Pay by bank wire** (order processing will be longer) >


 **Pay by check** (order processing will be longer) >


 **JOHN DOE**      **EXPIRATION DATE**  
XXXXXXXXXXXXXXXX1111      12/2020       Immediate payment >

 **JOHN DOE**  
064848920038250010517       Immediate payment >

 **JOHN DOE**      **EXPIRATION DATE**  
XXXXXXXXXXXXXXXX8453      12/2029       Immediate payment >

 **CLICK HERE TO FINALISE YOUR PAYMENT.**  
You can manage aliases on [alias page](#)

 **CLICK HERE TO FINALISE YOUR PAYMENT.**  
You can manage aliases on [alias page](#)

 **Pay with Ingenico ePayments** (Pay safely on the next page with Ingenico ePayments using your preferred payment methods) >

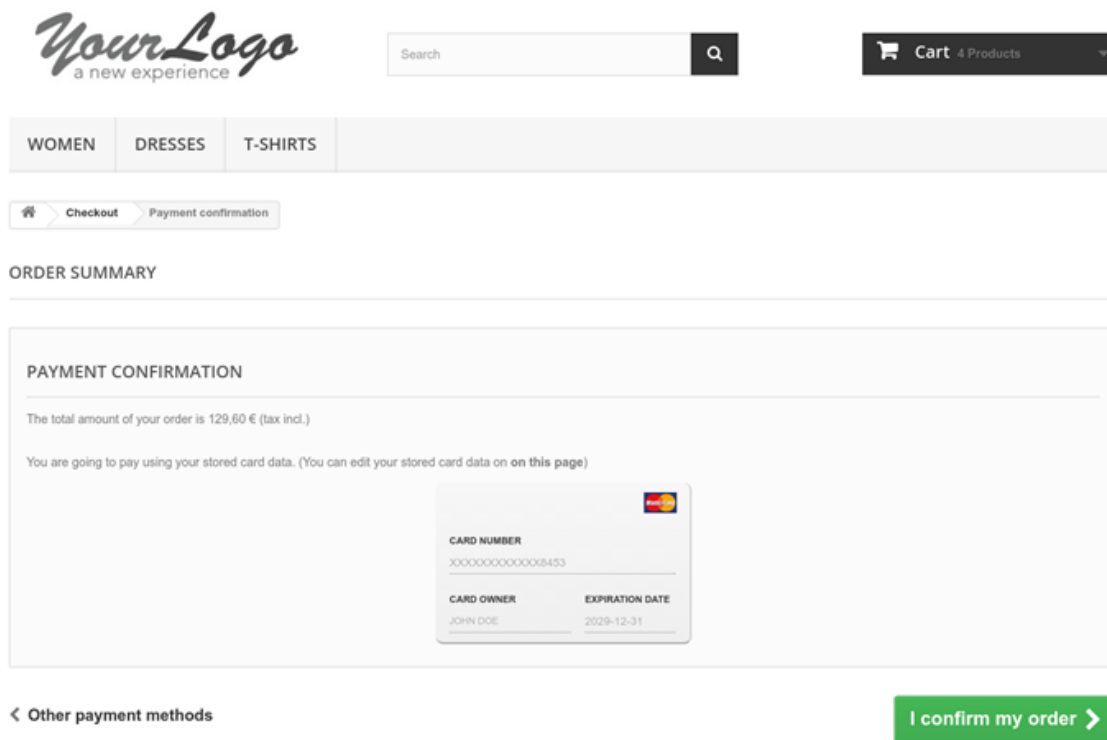
## Payment choice page

All payment methods are displayed in the following order:

- Existing user aliases (if the payment confirmation is deactivated, "Immediate payment" is displayed)
- FlexCheckout iframe(s)
- Pre-defined payment means
- Fallback payment (redirects to generic e-commerce interface where users can choose from any available payment means)

## Alias payment

If alias is saved, it will be visible on your payment choice page (with the exception of payments created on the payment selection page when "Do not store alias" is checked). If "Skip confirmation" is not checked, the confirmation step will be displayed after choosing the alias payment:



If "Skip confirmation" is checked, there is no confirmation step. "Immediate payment" is displayed within the payment mean box on the payment selection page.

### Adding alias on payment page

FlexCheckout is embedded on the payment selection page, permitting creation of the alias without going to a dedicated section of "My account". Two possible actions will be in place after the creation of the alias (via FlexCheckout) :

- If "Make immediate payment" is checked, the alias payment is executed directly after alias creation (displaying confirmation step or making direct payment, depending on the "Skip confirmation" option).
- If "Make immediate payment" is NOT checked, the payment page is reloaded presenting the user an option to use newly created alias.

If "Do not store alias" is selected, temporary aliases are displayed only on the payment selection page for the next two hours.

### 3-D Secure

When using 3-D secure with alias is activated, the 3-D secure is launched at the end of the process (after the confirmation step). The 3-D secure can either be displayed in the main window or in a pop-up window.