



Maksuturva/eMaksut
Payment Gateway Module
PrestaShop 1.4.x



Revision 120

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1 Changes

Date	Module revision	Description
16.04.12	101	Initial release.
13.07.12	108	Handling of multibyte characters fixed. Previous module versions may run into hash calculation problems with some characters or character encodings.
17.07.12	110	The module is now compatible beginning with Prestashop version 1.4.3
15.03.13	120	Fixes to handling product name and description (use other one if the other is blank). Also some changes in the common code. No effect on functionalities in this implementation.

2 System requirements

The Maksuturva Payment Gateway module for PrestaShop was tested on and requires the following set of applications in order to fully work:

Requirement	Supported versions
PrestaShop	<ul style="list-style-type: none">1.4.3. - 1.4.9.x
PHP	<ul style="list-style-type: none">4.x5.x
PHP cURL Module	<ul style="list-style-type: none">Any
PHP mbstring module	<ul style="list-style-type: none">n/a

There is no guarantee that the module is fully functional in any other environment which hasn't such requirements.

3 Limitations and notes

The following limitations have been found in this revision of the payment module or in the web store software in question:

- No quotation marks allowed in product names. Quotation marks in product names cause error in hash calculation.
- No additional billing fees are allowed to be added in Maksuturva payment page. If the shipping-, billing- or handling prices are changed during the payment in Maksuturva service, the buyer receives an error and the order will not be saved in the store.

4 Package contents

This guide assumes that all the package files were correctly downloaded by the user. The following folder structure is presented by the module when uncompressed:

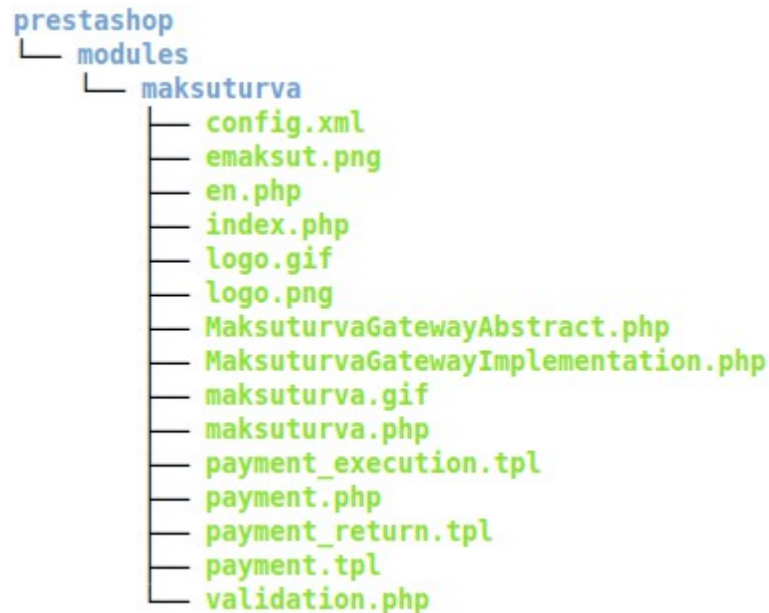


Illustration 1: Tree structure of package contents

File	Description
prestashop/modules/maksuturva/validation.php	Callback url used to verify a payment (ok, error, cancel or giro payment).
prestashop/modules/maksuturva/MaksuturvaGatewayAbstract.php	Base class used to wrap Maksuturva's features.
prestashop/modules/maksuturva/MaksuturvaGatewayImplementation.php	Implementation of base maksuturva's class based on OsCommerce
prestashop/modules/maksuturva/maksuturva.php	The main payment gateway file, called from checkout and administration areas.
prestashop/modules/maksuturva/config.xml	Module general information.
prestashop/modules/maksuturva/index.php	Module access restriction.
prestashop/modules/maksuturva/payment.php	Payment preparation process, with form generation and presentation.
prestashop/modules/maksuturva/payment.tpl	Payment button template.
prestashop/modules/maksuturva/payment_execution.tpl	Payment form template (with hidden fields which comprise the products and store credentials).

File	Description
prestashop/modules/maksuturva/payment_return.tpl	Success or error message templates for when coming back from the payment in Maksuturva.
prestashop/modules/maksuturva/en.php	Empty language file.
prestashop/modules/maksuturva/emaksut.png prestashop/modules/maksuturva/logo.gif prestashop/modules/maksuturva/logo.png prestashop/modules/maksuturva/maksuturva.gif	Image files used by the module.

5 Installation

Prior to any change in your environment, it is strongly recommended that a backup of the entire existing PrestaShop installation is performed.

5.1 Package installation

The first step of installation involves to copy the package structure with its contents into a valid PrestaShop installation directory. The simplest way of performing such operation is through copying the module folder from the maksuturva package into the installation PrestaShop directory. It is important to notice that a *merge* operation needs to be done, instead of replacing the entire directory.

Another option is to copy the package contents individually into their destination directories, creating such directories when they do not exist.

5.2 PrestaShop setup

When the files are copied into the destination directory, open the administrative panel of your PrestaShop installation and go to the payment modules section. The Illustration 2 shows the path to open the installation panel.

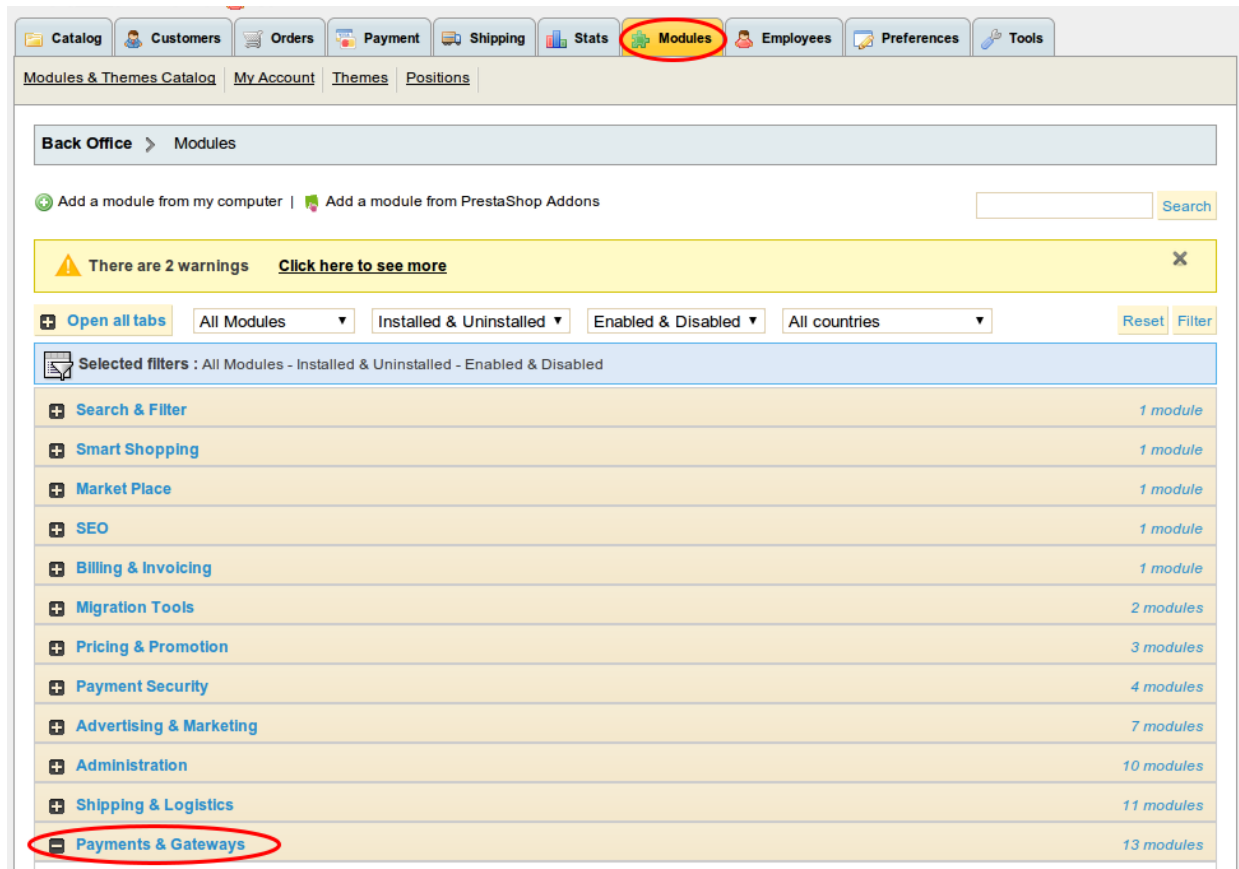


Illustration 2: Open the install payment module page

In the installation page, select Maksuturva and click “Install”, as shown below.

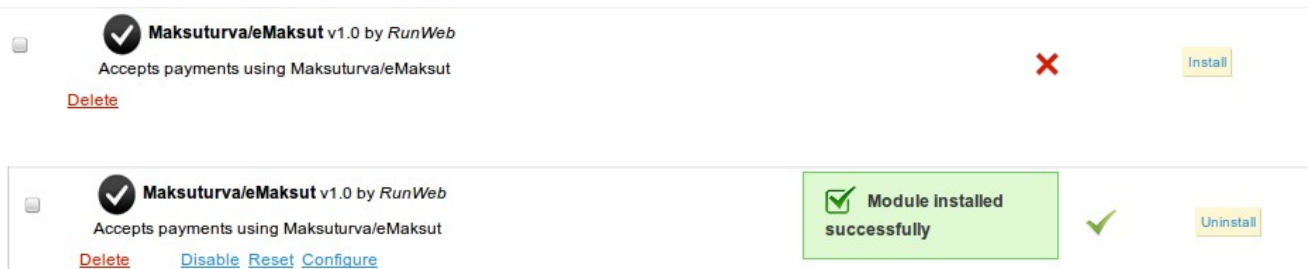


Illustration 3: Module installation – before and after

The module is now shown as installed, and the configuration can be performed.

6 Configuration

The configuration section for Maksuturva's module is reached by accessing the installed payment modules, as shown in the setup section. The parameters and their possible configurations are presented in Illustration 4.

Maksuturva/eMaksut configuration

Settings

Seller ID:

Secret Key:

Secret Key Version:

Communication Encoding: ☒ UTF-8 ☐ ISO-8859-1

eMaksut: ☐ Active ☒ Inactive

Sandbox mode (tests): ☒ Active ☐ Inactive

Communication URL:

[Save settings](#)

Illustration 4: Configuration parameters

All the configuration entries are detailed below. Remember to save the changes after your actions.

6.1 Seller ID

Open your Maksuturva account and check your seller ID in account details. The seller id is your identifier, used in every transaction inside your store. Copy the value and paste it in this field. When using sandbox mode, the value filled in this option will not be used, since the test account will be activated.

6.2 Secret key

Together with the Seller ID, the secret key is also provided by Maksuturva. Check your secret key and input this value into the configuration field. Please note that this key must not be shared with any person, since it allows many operations to be done in your Maksuturva account.

6.3 Secret key version

This parameter is also provided by Maksuturva. Check your secret key version and input this value into the configuration field. Please note that this key must not be shared with any person, since it

allows many operations to be done in your Maksuturva account.

6.4 Communication encoding

There are two possible character encodings that are accepted by Maksuturva. Even if you are using a different encoding the module will attempt to convert the data from your osCommerce encoding to the encoding set on this configuration. You might need to test which of them works better for your encoding by using the sandbox mode. The possible values are 'ISO-8859-1' and 'UTF-8' and they are selected from radio button options. The default value for this setting is 'UTF-8'.

6.5 eMaksut

This configuration option enables payments to be done using eMaksut's service, instead of using Maksuturva's one.

6.6 Sandbox mode

It is possible to set the module in test mode through turning the Sandbox mode to "True". When this option is selected, default test parameters (Seller ID and Secret key) will be used in your store payments, meaning that no money will be spent when paying the orders. This is a great tool to test the operation of your store and training employees.

When set to "False", the production mode will be used and real commercial transactions will be performed when payments are done. Note that the default installation value for this configuration entry is "True".

6.7 Communication URL

This configures which URL the payment and query status operations will send the data to maksuturva. The default value is '<https://www.maksuturva.fi>'. The default value will be the address you need on 99,9% of the cases, so only change this parameter if you know exactly what you are doing.

7 Language customization

It is possible to customize the language and messages used in the module. The customization takes effect by changing the text entries using the administrative tool, accessed by the administrative menu “Tools” → “Translations” → “Module Translations”.

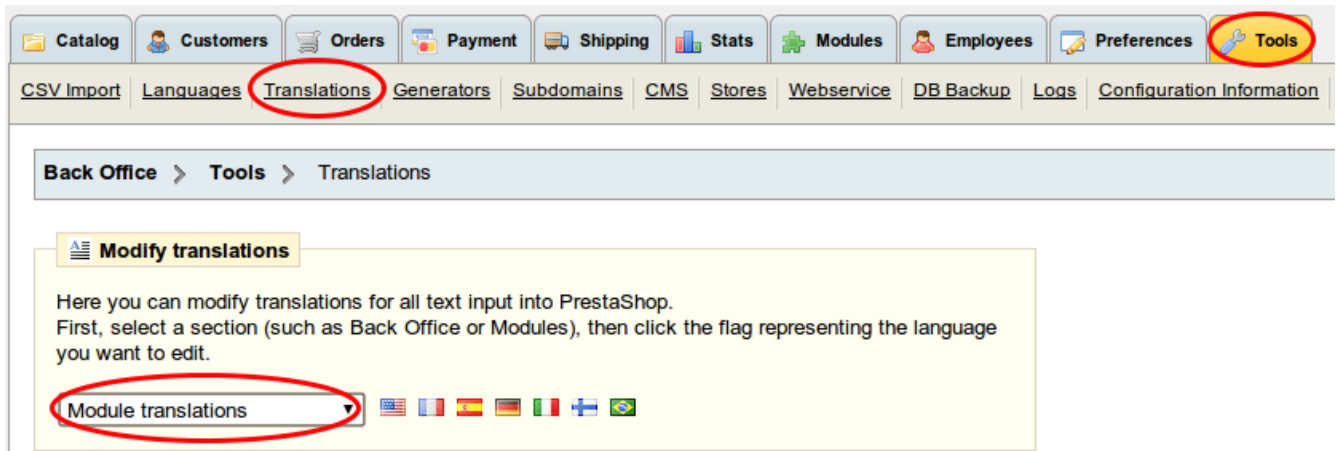


Illustration 5: Accessing the translation menu

Look for the section “Module: maksuturva”, and apply all the changes for the selected language.

8 Administration

8.1 Delayed payments

The Maksuturva Gateway Payment module allows customers to perform delayed payments, meaning that a constant verification of payment status is needed. For that purpose, an order which is pending can be automatically verified by opening the order itself. The order is accessed through “Orders” → (filter) “Pending confirmation from Maksuturva” → (click) The desired pending order.

Page 1 / 1 | Display 50 / 1 result(s)

ID	New	Customer	Total	Payment	Status	Date	PDF	Actions
					Pending confirmation from Ma	From		
						To		
10			89,86 €	Maksuturva/eMaksut	Pending confirmation from Maksuturva	2012-02-07 17:09:38		

Illustration 6: Opening a pending order

When clicked, a new window will open and the verification process will start. When done, a summary of the status changes will be presented with the message from Maksuturva. The order status is automatically updated.



Illustration 7: Pending payments verification result

9 Testing the installation

In order to test the Maksuturva Payment Gateway module, open your configuration section, as shown in section 5, set the Sandbox mode to “True” and save your changes. Follow the steps below to test a purchase.

Step 1 - Log in as a customer and perform a purchase of a random item, selecting Maksuturva as the payment option during the checkout.

Etusivulle > Maksutapa

VALITSE MAKSUTAPA

Yhteenveto


Kirjautuminen

Osoitetiedot


Toimitustapa

Maksutapa


Valitse maksutapa maksaaksesi tilauksesi summan **89,86 €** (Alv 0%)



Pay by cheque (order process will be longer)



Pay by bank wire (order process will be longer)



Pay with Maksuturva

« Edellinen

Illustration 8: Step 1 - Select maksuturva

Step 2 – Confirm the order.

Etusivulle > Maksuturva payment

ORDER SUMMARY

[Yhteenveto](#) [Kirjautuminen](#) [Osoitetiedot](#) [Toimitustapa](#) **Maksutapa**

Maksuturva payment

Maksuturva You have chosen to pay with Maksuturva.
Here is a short summary of your order:

- The total amount of your order is **89,86 €** (tax incl.)
You will be redirected to Maksuturva to perform the payment.

Please confirm your order by clicking 'I confirm my order'.

[Other payment methods](#) [I confirm my order](#)

Illustration 9: Step 2 - Confirm the order

Step 3 – In Maksuturva test environment, click “Delay return”, simulating a giro payment.

Step 4 – Now the payment was confirmed and the store administrator will be able to check the update when viewing the order. The other actions in Step 3 can be selected (“Ok return”, “Error return”, “Cancel return”) for testing purposes.

Etusivulle > Tilausvahvistus

TILAUSVAHVISTUS

[Yhteenveto](#) [Kirjautuminen](#) [Osoitetiedot](#) [Toimitustapa](#) **Maksutapa**

Your order on **Presta** is pending.

Your order will be shipped as soon as we receive the payment confirmation.

For any questions or for further information, please contact our [customer support](#).


 [Takaisin tilauksiin](#)

Illustration 10: Step 4 - Simulation result