

# Installation Manual for Datatrans PrestaShop

This manual describes the installation and usage of the Datatrans extension for PrestaShop.

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# 1 Introduction

This manual explains the installation, configuration and usage of the payment module for PrestaShop and Datatrans.

Before beginning with the installation, please make sure that you are in possession of all necessary data:

- You should have received a Merchant ID from Datatrans for the test account (beginning with 1xxxxxxx) as well as a Merchant ID for the live account (beginning with 3xxxxxxx). Furthermore, you have received the corresponding user name and password
- PrestaShop payment module by [sellxed.com/shop](https://sellxed.com/shop)
- Access data to your server and shop

In case you don't yet have a contract with Datatrans, you can gladly acquire it directly through us.

**Note that you must use at least PHP version 5.6 for our plugins. PHP 8 or higher is currently not supported.**

## 1.1 Procedure of the Installation

In this document you will find all important information for the installation of the module. It is important that you strictly follow the checklist. Only by doing so, can a secure usage in correspondence with all security regulations be guaranteed.

1. Configuration of the test administrative interface of Datatrans. You can find the test platform under <https://admin.sandbox.datatrans.com/>
2. Configuration of the basic settings of the payment module
3. Configuration of the payment methods
4. Carrying out of a test purchase by means of the attached [test data](#) at the end of this document
5. If the test was successful, copy all data of your test account into the live account of Datatrans. The live environment can be found under the following URL: <https://admin.datatrans.com/>

## Installation Service

Our payment plugins should have per default the correct settings for most of our customers' preferences. That means once you have entered the required credentials in the plugin configuration to connect your account to your website, the plugin should be fully operational. Should you be willing to receive detailed information on a setting you do not know, you may contact our support team who will be able to assist you further.

Our support team is at your disposal during regular business hours at: <http://www.sellxed.com/support>. Furthermore, you have the option of ordering our installation service. We will make sure the plugin is installed correctly in your shop: <http://www.sellxed.com/shop/de/integration-und-installation.html>

## .htaccess Directory Protection

In order to test the module, any kind of directory protection or IP blocking on your server must be deactivated. This is crucial as otherwise the payment feedback of Datatrans might not get through to the shop.

## 1.2 System Requirements

In general, the plugin has the same system requirements as PrestaShop. Below you can find the most important requirements of the plugin:

- PHP Version: 5.4.x or higher
- PrestaShop Version: 1.6.x or higher
- OpenSSL: Current version with support for TLS 1.2 or higher.
- fsockopen: The PHP function fsockopen must be enabled. The plugin must be able to connect to external systems over the Internet.
- PHP Functions: All common PHP functions must be enabled.

## 2 Configuration Datatrans - Backend

For the configuration, log into Datatrans in the Payment Web Administration Tool:

- Test Environment: <https://admin.sandbox.datatrans.com/>
- Live Environment: <https://admin.datatrans.com/>

The settings carried out on the following pages are a precondition for the later [configuration of the main module](#).

### 2.1 Configuration - UPP Administration

Under UPP Administration the settings for the feedback of Datatrans to the shop are defined.

The configuration of the feedback-URL plays a central role in the configuration of the module. Should the saved URLs not be correct, no feedback is returned to your shop. This leads to the payment not being processed correctly.

URL Successful, URL Failed, URL Cancel are all transmitted by our module. For this reason, enter **none** into the boxes.

For the **Transaction Feedback** please enter the URL that is generated in the main module. More information can be found under the section [Transaction Feedback](#)

**Make sure that you did not tick the option "Cancel payment when Post-URL not available" and "Decline transaction with response code 02".**

As an illustration we have added a screenshot:

The screenshot shows the 'UPP Daten' configuration page. At the top, there are navigation tabs: 'Transaktionen', 'Berichte', 'Buchen', 'UPP Verwaltung', and 'Benutzerverwaltung'. Below these are sub-tabs: 'UPP Daten', 'Zahlungsarten', 'UPP Designer', 'Sicherheit', and 'Fraud Risk Management'. A 'Hilfe' icon is visible in the top right corner.

The main content area is titled 'UPP Daten' and contains the following fields and options:

- Merchant-ID: 1100003396 : Demo Customweb UPP
- Händler-Land: SWITZERLAND
- Email: info@customweb.ch
- Sprache: Deutsch (dropdown menu)
- URL Erfolgreich: none (Pflichtfeld)
- URL Fehler: none (Pflichtfeld)
- URL Abbruch: none (Pflichtfeld)
- URL Post: http://yourshop.com/url\_as\_indicated\_in\_the\_manual.html (Wahlfeld)
- URL Post Datenformat:
  - Daten in HTML FORM
  - Daten in XML(request header)
  - Daten in XML(request body)
- Transaktionen mit Antwortcode 02 ablehnen
  - E-Mail-Benachrichtigung an [text input]
- Transaktionen mit Antwortcode 02 ablehnen AMEX
  - E-Mail-Benachrichtigung an [text input]
- Ablehnung, wenn postUrl nicht verfügbar

A 'Bestätigen' button is located at the bottom right of the form.

Figure 2.1: Configuration UPP Data.

## 2.2 Security - Configuration of the Sign-Parameters

The sign parameters are required in order to ensure the authenticity of the communication between Datatrans and your shop. It is not necessary to define the sign parameters, however, we strongly recommend carrying out the following settings.

Choose the HMAC-SHA256 Algorithm for the signature. By clicking on **generate new key**, a new sign will automatically be created. Enter this sign into the respective box within the main module and note it in a text file. You will require it for the later configuration.

We also recommend using a different **sign2-key**. Click on **generate new key** and note it down or copy it into the sign2-box in the main module.

Furthermore, we recommend ticking **Also sign settlement requests**.

As an illustration, please see the screenshot:



Es wird eine zusätzliche Merchant-Identifikation in den Zahlungsmeldungen mitgeschickt  
 Der Parameter **sign** muss immer mit folgendem Wert in jeder Authorisierungs-Meldung mitgeliefert werden  
 sign =

---

Wichtige Parameter werden digital unterschrieben und die Unterschrift (HMAC-SHA256) in der Zahlungsmeldung mitgeschickt  
 Der Parameter **sign** muss immer in jeder Authorisierungs-Meldung mitgeliefert werden.  
 Er enthält eine digitale Unterschrift (ein verschlüsselter HashCode HMAC-SHA256 in hexadezimal Format).  
 Unterschrieben werden die Werte der Parameter MerchantID, Amount, Currency und Reference Nummer (zusammengesetzt)  
 Ihr HMAC Schlüssel (in hexadezimal Format):

```
84931f58e81b65f8eb063fb8e2b155cb03cc477e73f59
2951b473180408101ed39a467f76d607dbb1a98a636b1
7eec479dfbecdb0c875d587b689333199edd
```

→ **Neuen Schlüssel generieren** ( Letzte Generierung am 27/06/2017 10:17 )  
*Der Schlüssel muss vor der Anwendung von hex zu byte Format konvertiert werden.*

→ Beispiel HMAC-SHA256  
 → Beispiel HMAC-MD5 (weak, not recommended)

Einen anderen Schlüssel für **sign2** verwenden

```
acefbc2b30d216e1b34c603e832e4a3d86a82c413358
6a9bbcc9087c23b9a1626b77a86f6e4f21b81c29a7eac
9d69e4ff80ca36083efcb7bfce3ba26b17bc40b
```

→ **Neuen Schlüssel generieren** ( Letzte Generierung am 27/06/2017 10:17 )

Die Unterschrift auch bei Settlements verwenden

Bestätigen

Figure 2.1: Configuration Security.

## 2.3 Security - Activation of the IP Whitelisting

We support the IP whitelisting option as authentication method to Datatrans. (Server-to-server protection with password we don't support)

To do this, remove the "Protect server-to-server services with password" option and enable the "Enable IP whitelist protection (legacy APIs)" option.

Then, in the "Permitted IP addresses" field, add the IP addresses of your shop/server that communicates with Datatrans:

Transaktionen
Berichte
Buchen
UPP Verwaltung
Benutzerverwaltung

UPP Daten
Zahlungsarten
PSD Exemptions
UPP Designer
Sicherheit
Fraud Risk Management

### Server-to-Server services security → Sicherheit

Protect server-to-server services with password:  Uncheck

Username:

Password:

[Generate new pass](#)

---

Enable IP whitelist protection (legacy APIs):  Check

Permitted IP addresses:  
(To separate IP addresses, please add IP address per line, empty list permits all IPs)

[Bestätigen](#)

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## 2.4 Fraud Risk Management

Under the tab Fraud Risk Management you can exclude certain countries of origin of credit cards due to their risk management of payments. In this case, these credit cards will be refused by authorisation process of Datatrans.

## 2.5 Transactions

In the tab Transactions you can find an overview of effected transactions. You can authorise, debit or refund them directly. However, due to the integrated transaction manager of in all sellxed payment modules, you can also do this directly from within the shop. **Caution: If you debit payments here then the status is not synchronised with the shop. A renewed debiting in the shop will fail.**

## 3 Module Installation and Update in the PrestaShop Shop

### 3.1 Installation

At this time you should already be in possession of the module. Should this not be the case, you can download the necessary files in your customer account in the [sellxed shop](#) (Menu "My Downloads Downloads"). In order to install the module in your shop, please carry out the following steps:

1. Download the plugin. The download can be found in your sellxed.com account under "My Downloads".
2. Unzip the archive you have just downloaded.
3. In the unzipped folder navigate to the folder "files"
4. For some shops there are different versions of the plugin provided. If this is the case open the folder which corresponds to your shop version.
5. Using your preferred FTP client upload **entire content** of this folder into the root directory of your shop. For some shops there is a specific folder containing the plugins. If that is the case upload the plugin into this folder. Make sure that the folders aren't replaced but merely merged.
6. If you haven't yet done so, log back into your shop.

### 3.2 Updates and Upgrades

You have direct and unlimited access to updates and upgrades during the duration of your support contract. In order to receive constant information about available updates we ask you to subscribe to our RSS feed that we publish for your module.

More information regarding the subscription of this RSS feed can be found under: [http://www.sellxed.com/en/updates\\_upgrades](http://www.sellxed.com/en/updates_upgrades).

We only recommend an update if something doesn't work in your shop, if you want to use new feature or if there is a necessary security update.

#### 3.2.1 Update Checklist

We ask you to strictly comply with the checklist below when doing an update:

1. Always do a backup for your database and your files in your shop
2. Use always a test system to test the update process.
3. Wait until all the files are copied to the shop, clear the cache if there is one in your shop and then visit the configuration page of the main module so that the update process will be initialized.

### Do not do updates directly in the live environment

Please test the update procedure first in your test shop. Our support team is able and willing to help you if you experience problems with the update process. However, if you decide to perform the update directly in your live shop there is the possibility of a downtime of the shop of more than two days depending on the availability of our support if you do not want to book our [complementary support](#).

Depending on the version it could be that the database has to be migrated. We recommend you therefore, to perform the updates in times when the shop is not visited too frequently by your customers.

### 3.2.2 Update Instructions

Please always read the update instruction. Those instructions can be found in the changelog. If there are no special remarks, you can proceed by just overwriting the files in your system.

## 4 Module Configuration in the PrestaShop Shop

The configuration consists of two steps. The first step is the configuration of the main module with all the basic settings (cf. [Configuration of the Main Module](#)). During the second step you can then carry out individual configurations for each [payment method](#). This allows for full flexibility and perfect adaptation to your processes.

### Create backups!

Please create a backup of the main directory of your shop. In case of problems you will then always be able to return your shop to its original state.

We furthermore recommend testing the integration on a test system. Complications may arise with third party modules installed by you. In case of questions, our support is gladly at your disposal.

### 4.1 Configuration of the Main Module

You will find the settings for the module under **Modules**, in the group **Checkout , Datatrans Integration**. Install the module and open the configuration mask by clicking **Configure**. Enter the individual options such as described above in the configuration of the administration interface of Datatrans. You will find information on the individual options directly in the additional texts in the module

### Do not forget to configure the main shop view first!

If you are using a multishop setup within PrestaShop, you will need to configure the payment plugin in the main shop view first. If you do not configure the settings of the plugin in the main shop view at all, the payment will not work properly. We strongly advise you to configure your main store first before moving on to the configuration of your subshops.

### 4.2 Defining the URL for the Transaction Feedback

To ensure correct payment processing in your shop, at least one Feedback URL has to be provided in the Datatrans configuration. The URL to be entered can be found in your PrestaShop Shop under: **Modules > Datatrans > Setup > Setup**

### 4.3 Configuration of Payment Methods (for PrestaShop 1.6)

After you have installed the main module you can install the corresponding payment methods. To do so you have to install the desired payment methods under **Modules** in the group of **Payments and Gateways**. You can save individual settings for each payment method and thereby optimally

adapt the payment to your processes. The most central are explained in more detail in this manual.

## 4.4 Configuration of Payment Methods (for PrestaShop 1.7)

After you have installed the main module you can install the corresponding payment methods. To do so you have to install the desired payment methods under **Modules > Module Catalog**. You can save individual settings for each payment method and thereby optimally adapt the payment to your processes. The most central are explained in more detail in this manual.

## 4.5 Direct Capturing of Transactions

The option "Capture" allows you to specify if you wish to debit payments directly or if you first wish to authorise them and then debit the payment at a later point.

Depending on your acquiring contract, a reservation is only guaranteed for a specific period of time. Should you fail to debit the payment within that period, the authorisation may therefore no longer be guaranteed. Further information on this process can be found below.

### Different settings between Datatrans and the module

It may be that settings saved in the payment modules overwrite settings saved in Datatrans.

## 4.6 Uncertain Status

You can specifically label orders for which the money is not guaranteed to be received. This allows you to manually control the order before shipment.

### 4.6.1 Setting the order state

For each payment method you may select in which state the order should be set to depending on the booking state. This is the initial state of the order.

## 4.7 Optional: Validation

Note: It can be that this option is not visible in your module. In this case just ignore this section.

With the option 'Validation' you can define the moment when the payment method should be made visible to the customer during the checkout process. This setting is relevant for modules where the usage depends on the customer's compliance with specific preconditions. For example, if a solvency check has to be carried out or if the payment method is only available in certain countries. In order for the credit check or address validation to also work with European characters, the charset of the "Blowfish mode" must be set to "UTF-8" for certain PSP settings.

You have the choice between these options:

- **Validation before the selection of the payment method:** A validation verification is carried out before the customer selects the payment method. If the customer does not fulfill the requirements, the payment method is not displayed
- **Validation after selection of the payment method:** The verification of the compliance occurs after the selection of the payment method and before the confirmation of the order
- **During the authorisation:** The validation verification is carried out by Datatrans during the authorisation process. The payment method is displayed in any case

#### 4.7.1 Usage of the Integrated Multishop Functionality of PrestaShop

The payment module supports the multishop feature of PrestaShop. No further modifications are necessary. The module automatically recognizes the shop the order belongs to. In order for the multishop functionality to work, it is, however, necessary that the individual sub-shops within PrestaShop have been configured correctly.

## 5 Settings / Configuration of Payment Methods

### 5.1 General Information About the Payment Methods

The plugin contains the most common payment methods. In case a desired payment method is not included per default, please contact us directly.

In order to be able to use a payment method, it must be activated in your account with Datatrans as well as in your shop. Information about the configuration of the payment methods can be found further above.

Below you can find important information for specific payment methods that deviate from the standard process.

### 5.2 Information on Payment Status

For each payment method you can define an initial payment status (status for authorized payments etc.). You hereby define the payment status for each state depending on the processing type of the order (captured, authorized, etc.). It's the initial status which the order assumes. Depending on the mutation carried out by you, the status can change.

#### Important info regarding Order Status

Never set the status to **Pending Datatrans** or any similar pending status which is implemented by the module.

#### 5.2.1 Order status "pending" / imminent payment (or similar)

Orders with the status 'pending Datatrans' are pending orders. Orders are set to that status if a customer is redirected in order to pay but hasn't returned successfully or the feedback hasn't reached your shop yet (Customer closed window on the payment page and didn't complete payment). Depending on the payment method these orders will automatically be transformed into cancelled orders and the inventory will be cleared (so long as the Cronjob is activated). How long this takes depends on the characteristics of the payment method and cannot be configured.

If you have a lot of pending orders it usually means that the notifications from your webserver to Datatrans are being blocked. In this case check the settings of your firewall and ask the Hoster to activate the IPs and User Agents of Datatrans.

#### 5.2.2 Order status "cancelled"

Orders with the status "cancelled" have either been set to that status automatically due to a timeout, as described above, or have been cancelled directly by the customer.



### 5.3 OpenInvoice / Invoice via MFGroup or Swissbilling

With your Datatrans module you have now the possibility to process invoices via **MFGroup (POWERPAY)** or **Swissbilling**. To do so, activate as usual the payment method in your shop and select the the processor from the drop-down list.

Additionally you have the possibility to choose, if there should be a credit check in the background before the payment method display. And if the payment method should be hidden during a negative feedback. To be able to do so, the appropriate options have to be activated by Datatrans and the processor. Set under validation the right point in time. You have three options:

1. Before the selection of the payment method: This option enables you to process the credit check before the payment method display
2. After the selection of the payment method: The credit check is processed after the customer has chosen a payment method, but didn't complete the order.
3. During the authorization: This is standard. The processing happens during the authorization by your Datatrans.

## 6 The Module in Action

Below you will find an overview of the most important features in the daily usage of the Datatrans module.

### 6.1 Capturing of Orders

#### Please note

The transaction management between your shop and Datatrans is not synchronized. If you capture payments with Datatrans, the status in the shop will not be updated and a second capturing in the shop is not possible.

In order to be able to capture orders you must make sure that you have set the option 'Capturing' to 'deferred' in the [payment method configuration](#).

Transactions can be captured in different ways. The different options are explained below.

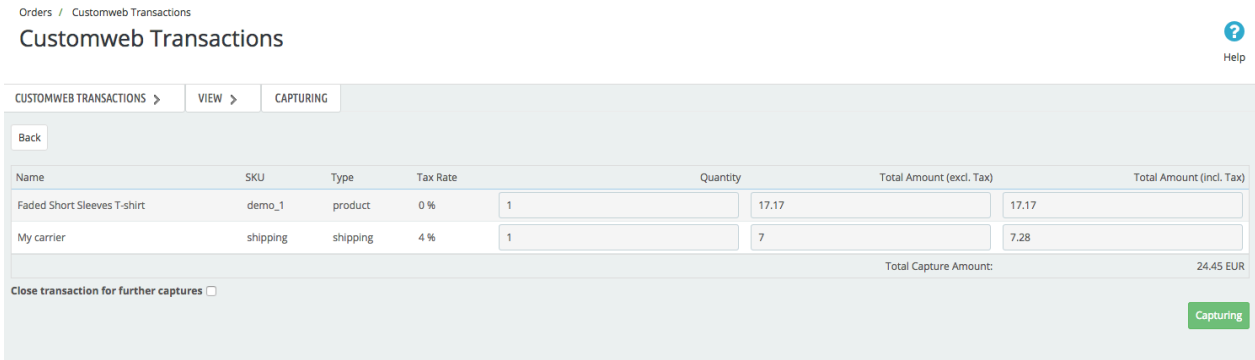
#### 6.1.1 1. Via Orders > Datatrans Transactions

You can view all transactions in the transaction table under Orders > Datatrans transactions"

Transaction Number	Cart ID	Authorization Status	Order ID	Payment Method
22	22	successful	9	mastercard

**Figure 6.1:** 1. View Transactions via Orders > Datatrans transactions.

Open the order and then click on the small magnifying glass in den transaction information overview. By clicking **Capture** button, you get into the following context.

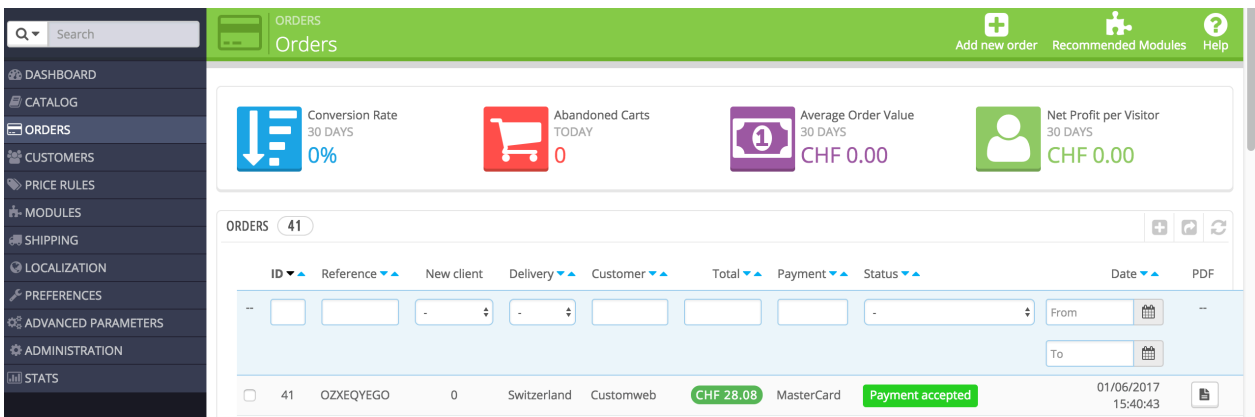


**Figure 6.1:** Invoice capturing in PrestaShop

Enter the amount and quantity that you wish to capture from the customer's authorization. By clicking **Capture** a direct capturing of the order occurs with Datatrans.

### 6.1.2 2. Capture the transaction through the order and the Datatrans transaction tab

Open the order and then click on the small magnifying glass in the Datatrans transactions overview.



**Figure 6.1:** Open order and view the transaction tab.

A window will then drop down. Enter the amount of your choice that you wish to capture from the customer's authorization. By clicking **Capture** a direct capturing of the order occurs with Datatrans.

The screenshot shows the Sellxed interface. At the top, there's a search bar and navigation tabs for 'ORDERS' and 'View'. Below this, there are summary cards for Date (01/06/2017), Total (CHF 28.08), Messages (0), and Products (1). The main section is titled 'TRANSACTIONS' and contains a table with columns: #, Date, Payment Method, Authorised, and Amount. Below the table, there's a 'Capturing' modal window with a 'Cancel' button. The modal shows transaction details in a grid format:

Authorisation Amount	28.08	Transaction authorised	Yes	Card expiry date	12/18
Currency	CHF	Transaction uncertain	No	Brand	MasterCard
Payment Method	MasterCard	Transaction paid	Yes	Merchant reference	customweb
Payment ID	3014807004	Acceptance	customweb		
Test Transaction	Yes	Card number	XXXXXXXXXXXXXXXX9999		

Below the details is a 'Previous actions' table:

Date	Action	Message
01/06/2017 15:32:48	log	Redirection Parameters generated.
01/06/2017 15:32:48	log	Redirection Parameters generated.
01/06/2017 15:32:48	log	Redirection Parameters generated.
01/06/2017 15:40:43	authorization	The amount of 28.08 is authorized.

**Figure 6.1:** 2. Transaction details in the transaction tab of a specific order.

By clicking **Capturing** button, you get into the following context.

The screenshot shows the PrestaShop interface for 'Customweb Transactions'. It features a breadcrumb trail 'Orders / Customweb Transactions' and a 'Help' icon. Below the header, there are navigation tabs for 'CUSTOMWEB TRANSACTIONS', 'VIEW', and 'CAPTURING'. A 'Back' button is present. The main content is a table with columns: Name, SKU, Type, Tax Rate, Quantity, Total Amount (excl. Tax), and Total Amount (incl. Tax). The table contains two rows:

Name	SKU	Type	Tax Rate	Quantity	Total Amount (excl. Tax)	Total Amount (incl. Tax)
Faded Short Sleeves T-shirt	demo_1	product	0 %	1	17.17	17.17
My carrier	shipping	shipping	4 %	1	7	7.28

At the bottom right, there is a 'Total Capture Amount: 24.45 EUR' and a green 'Capturing' button. A checkbox 'Close transaction for further captures' is also visible.

**Figure 6.1:** Deferred/Manual capture of transactions within PrestaShop

Enter the amount or quantity choice that you wish to capture from the customer's authorization. By clicking **Capture** a direct capturing of the order occurs with Datatrans.

## 6.2 Useful Transaction Information on the Order

In each order, processed via our module, you can find an overview of the most important information about the transaction as well as a transaction history.

#	Date	Payment method	Is authorised	Amount
46	2013-12-02 15:44:17	Master Card (Dynamic Template)	yes	124.58

**Transaction details**

<b>Authorisation amount</b>	124.58	<b>Transaction authorised</b>	Yes
<b>Currency</b>	EUR	<b>Transaction uncertain</b> ⓘ	No
<b>Payment method</b>	Master Card (Dynamic Template)	<b>Transaction captured</b>	Yes
<b>Payment ID</b>	25815219	<b>Transaction paid</b>	Yes
<b>Captured amount</b>	124.58	<b>Alias</b>	XXXXXXXXXXXX0007 (03/14)
<b>Alias Token</b>	2403B927-26A3-4DAE-9EC3-CD000EAB349E		
<b>Acceptance</b>	test123		
<b>Card number</b>	XXXXXXXXXXXX0007		
<b>Card expiry date</b>	03/14		
<b>Merchant reference</b>	bc_ps_sell_46		

Figure 6.1: Transaction information within PrestaShop.

### 6.3 Place Orders in the backend of PrestaShop

With the PrestaShop payment module you can place orders and capture the payment directly in the shop; so called Mail Order / Telephone Order (MOTO).

1. Go to the order overview and click on "Create New Order"
2. A window will open up. Search for the customer for whom you wish to place an order or manually create a new customer
3. Search for the product in question and add it to your cart
4. Before clicking **Create Order**, select the payment method
5. Depending on the authorization method that you have saved for the selected payment method, you will either be redirected to the Payment Page of Datatrans or the mask for the credit card will appear such as in the image below. Enter the customer's credit card information and click **Debit the customer**.

#### Mail order / Telephone order

You are about to create a new order. With the following form you can debit the customer:

**Card holder name\***   
Please enter the card holder's name.

**Card number\***   
Please enter your card number

**Card expiration date\***    
Select the expiry date of your card

**CVC Code\***   
Please enter the CVC code from your card. You can find the code on the back of the card

Figure 6.1: MoTo Transactions in PrestaShop

## 6.4 Refunds

You can refund already captured transactions and automatically transmit them to Datatrans. In order to do so, open the order. You have two alternatives for refunding the money. Either you use the refund tool or the partial refund process of PrestaShop. Both processes are explained in this passage.

### 6.4.1 1. Transaction table via Orders > Datatrans transactions

You can view all transactions in the transaction table under "Orders > Datatrans transactions"

The screenshot shows the PrestaShop admin interface. The breadcrumb trail is "Orders / Customweb Transactions". The main heading is "Customweb Transactions". Below this is a table with the following data:

Transaction Number	Cart ID	Authorization Status	Order ID	Payment Method
22	22	successful	9	mastercard

**Figure 6.1:** 1. transaction table via orders > Datatrans transactions.

Open the order and then click on the small magnifying glass in den transaction information overview. By clicking **Refund** button, you get into the following context.

The screenshot shows the "RÜCKERSTATTUNG" (Refund) interface. It includes a "zurück" button and a table with the following data:

Name	SKU	Type	Tax Rate	Quantity	Total Amount (excl. Tax)	Total Amount (incl. Tax)
Blouse	customweb_demo_sku	product	19 %	1	27	32.13

Below the table, there is a "Total Refund Amount:" field with the value "32.13 EUR". At the bottom right, there is a green "Rückerstattung" button.

**Figure 6.1:** Refund of transactions within PrestaShop.

Just like for the capturing, you open the order and click on the magnifying glass next to the order of your choice. Enter any refund amount of your choice in the field provided for this purpose. By clicking **refund** the refund request will directly be sent to Datatrans and the specified amount will be credited on the customer's credit card.

Please note that you can't refund more than 100% of the original amount.

### 6.4.2 2. Refund the transaction through the order and the Datatrans transaction tab

Open the order and then click on the small magnifying glass in the Datatrans transactions overview.

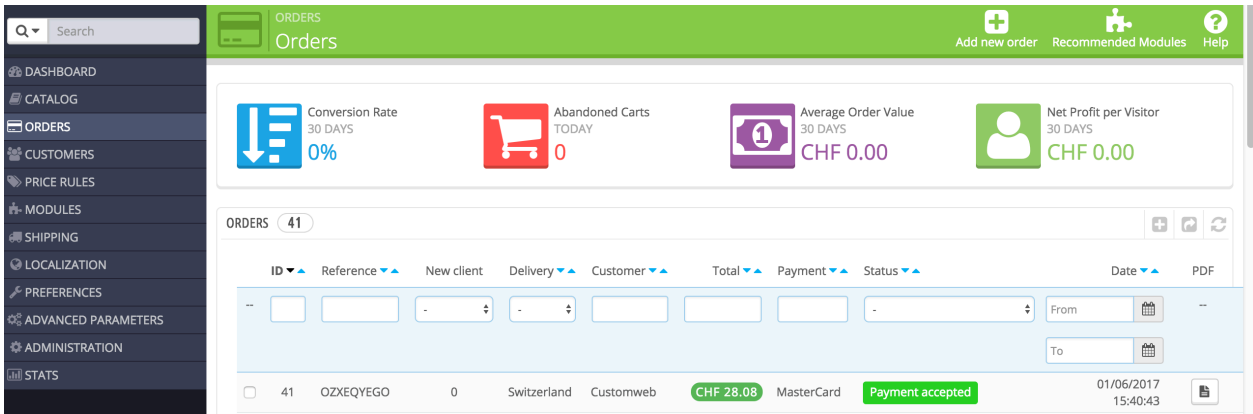


Figure 6.1: Open order and view the transaction tab.

By clicking **Refund** button, you get into the following context.

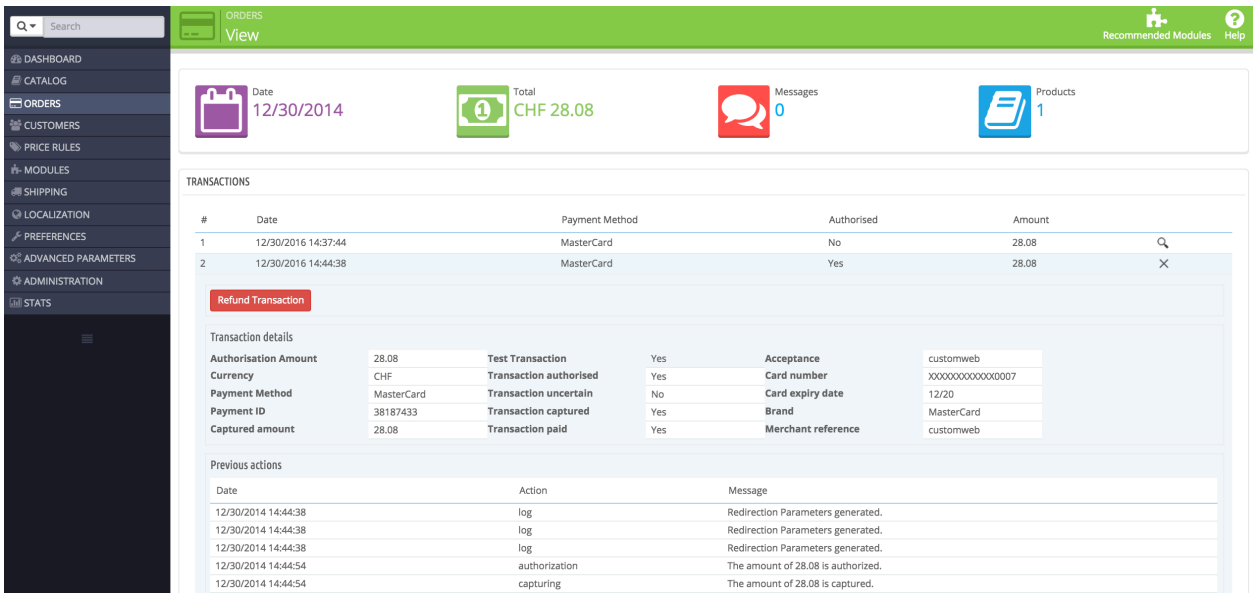


Figure 6.1: 2. transaction details in the transaction tab of a specific order.

By clicking **Refund** button, you get into the following context.

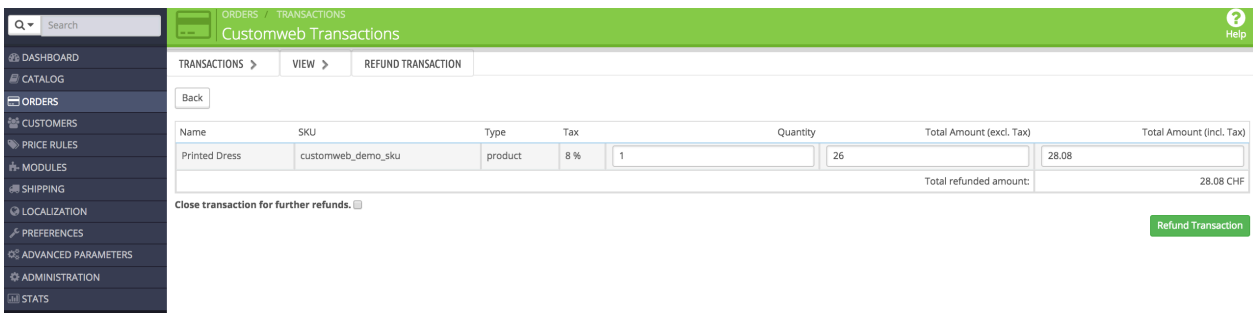


Figure 6.1: Refund of the transaction within PrestaShop.

Enter any refund amount of your choice in the field provided for this purpose. By clicking **refund** the refund request will directly be sent to Datatrans and the specified amount will be credited on the customer's credit card.

Please note that you can't refund more than 100% of the original amount.

### 6.4.3 3. Refund with the PrestaShop internal/default functionality.

You can carry out refunds with the Partial Refund Process of PrestaShop based on the product quantity. After having opened the order, click on **Partial Refund** in the top right corner. The browser will scroll down and you can specify the amount of the partial refund. If you wish, you can also directly add the item(s) to the stock. In order to do so, click on the corresponding check-box. By clicking **Partial Refund**, a new window opens up.

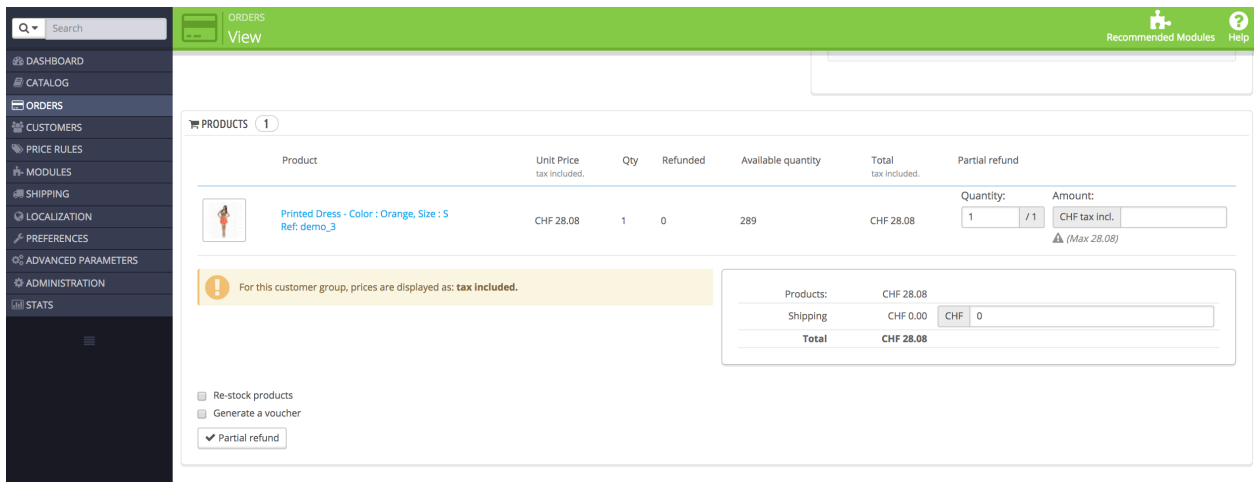


Figure 6.1: Refund of transactions within PrestaShop.

In the following window, click 'Yes' in order to transmit the refund to Datatrans and the specified amount will be credited to the customer's credit card.

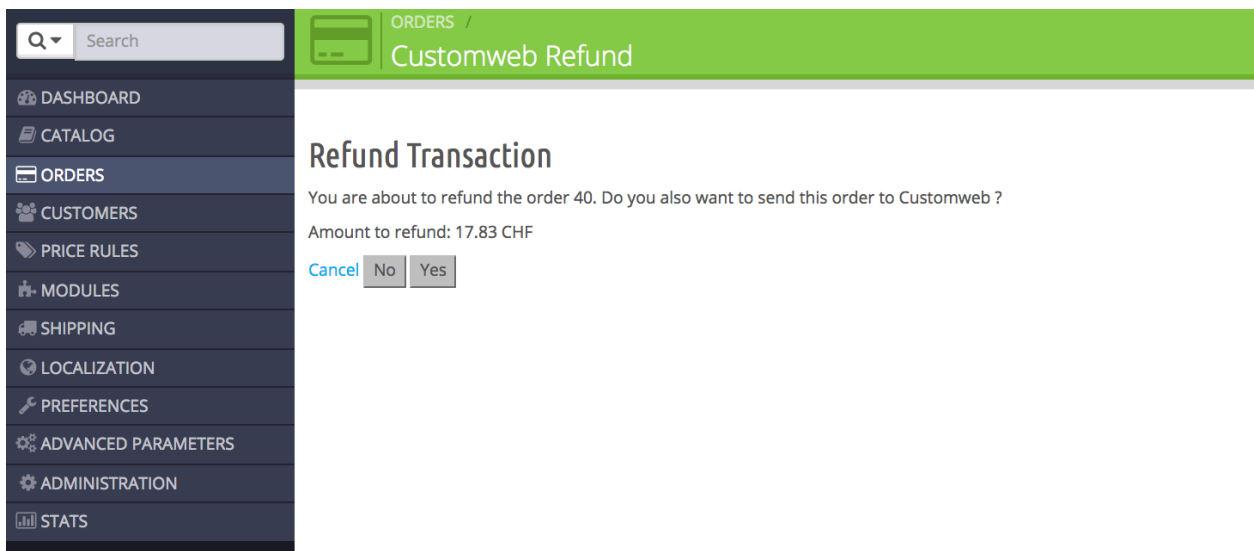


Figure 6.1: Confirm the transaction refund in PrestaShop.

Please note that you can't refund more than 100% of the original amount.

Executing a refund will not change the status of the order.



## 6.5 Usage of the Alias Managers / Token Solution

With the Alias Manager, your customers can securely save their credit cards with Datatrans for later purchases. You can enable this by activating the option "Alias Manager" in the configuration of the [Payment Method](#). The customer can then choose from his or her saved credit cards without having to re-enter all the details.

### 3 Please choose your payment method

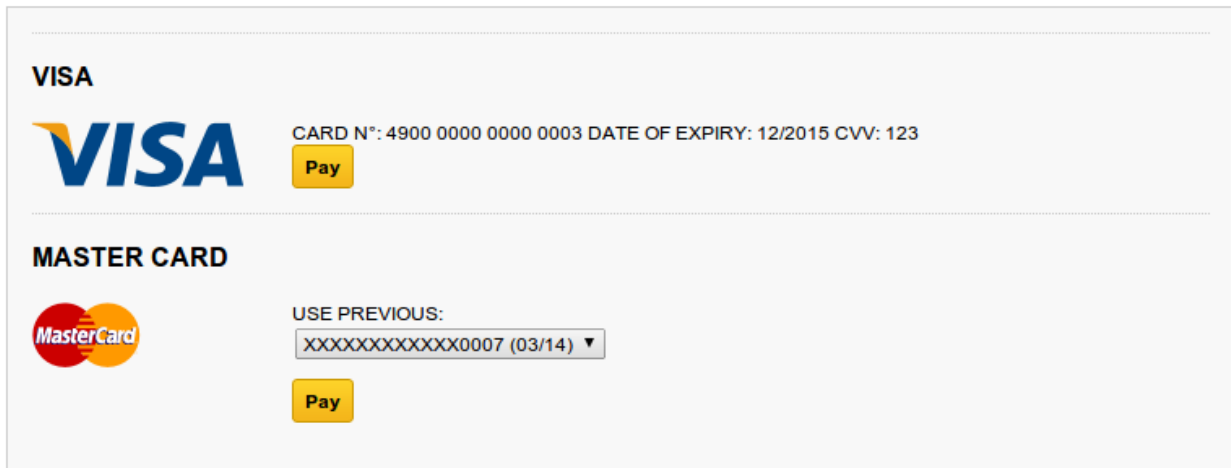


Figure 6.1: Alias Manager Usage Within PrestaShop.

### Please pay attention!

The usage of the Alias Managers requires the activation of the correct option with Datatrans. To do so, please contact the support directly.

## 6.6 One Page Checkout

The checkout of PrestaShop can be modified and reduced to one step. Our module support the standard OnePageCheckout of PrestaShop. No guarantee can be made in regards to the compatibility with third party modules.

You can activate the standard checkout by going to **Preferences, Orders**. Choose the option 'one-page checkout' in the drop-down menu for **Order-process type**.

## 6.7 Setting up Cron Job

In order to activate the time-controlled functions of the plugin (such as update service, deleting pending orders, etc.) set up a time-controlled request in your hosting provider backend using the URL which you will now find via Modules > Datatrans in the tab "Extended Information". Invoking it regularly will trigger the actions.

Here we suggest you use a Cron Engine like for example [EasyCron](#). This allows you to open the file ( URL ) with an external service.

## 7 Testing

Before switching from test to live mode it is important that you test the module extensively.

### Testing

Do not forget to switch the operating mode from test to live after having successfully tested the module.

### 7.1 Test Data

In the following section you can find the test data for the various payment methods:

#### Credit / Debit Card

Card number	4900 0000 0000 0003	Visa: With 3-D Secure Check
Expiry Date	12/2021	
CVC	123	
Card number	5200 0000 0000 0007	MasterCard: Without 3D-Secure
Expiry Date	12/2021	
CVC	123	
Card number	5200 0000 0000 0080	MasterCard: With 3D-Secure
Expiry Date	12/2021	
CVC	123	
Card number	3750000000000007	American Express: With 3D Secure
Expiry Date	12/2021	
CVC	1234	
Card number	3616 7719 110 012	Diners
Expiry Date	12/2021	
CVC	123	
Card number	3569 9900 1003 0400	JCB
Expiry Date	12/2021	
CVC	123	
Card number	6759 6498 2643 8453	Maestro UK
Expiry Date	12/2021	
CVC	123	

#### Visa

Card number	4900 0000 0000 0003	Visa: With 3-D Secure Check
Expiry Date	12/2021	
CVC	123	

#### MasterCard

Card number	5200 0000 0000 0007	MasterCard: Without 3D-Secure
-------------	---------------------	-------------------------------

Expiry Date	12/2021	
CVC	123	
Card number	5200 0000 0000 0080	MasterCard: With 3D-Secure
Expiry Date	12/2021	
CVC	123	

**American Express**

Card number	3750000000000007	American Express: With 3D Secure
Expiry Date	12/2021	
CVC	1234	

**Diners Club**

Card number	3616 7719 110 012	Diners
Expiry Date	12/2021	
CVC	123	

**JCB**

Card number	3569 9900 1003 0400	JCB
Expiry Date	12/2021	
CVC	123	

**Maestro UK**

Card number	6759 6498 2643 8453	Maestro UK
Expiry Date	12/2021	
CVC	123	

## 8 Errors and their Solutions

You can find detailed information under <http://www.sellxed.com/en/faq>. Should you not be able to solve your problem with the provided information, please contact us directly under: <http://www.sellxed.com/en/support>

### 8.1 Modul Performance

Depending on your server specs it could be that the module results to performance issues in your store. In this case we suggest to do the following:

- Deactivate the PrestaShop Cache. We often saw already better results when the cache was disabled.
- Deactivate the PrestaShop displayBackOfficeHeader hook. For this go to > Modules > Hooks > and disable the hook Datatrans Integration under the **displayBackOfficeHeader** Menu.

In case you want to undo the changes above you will need to re-install the base module again.

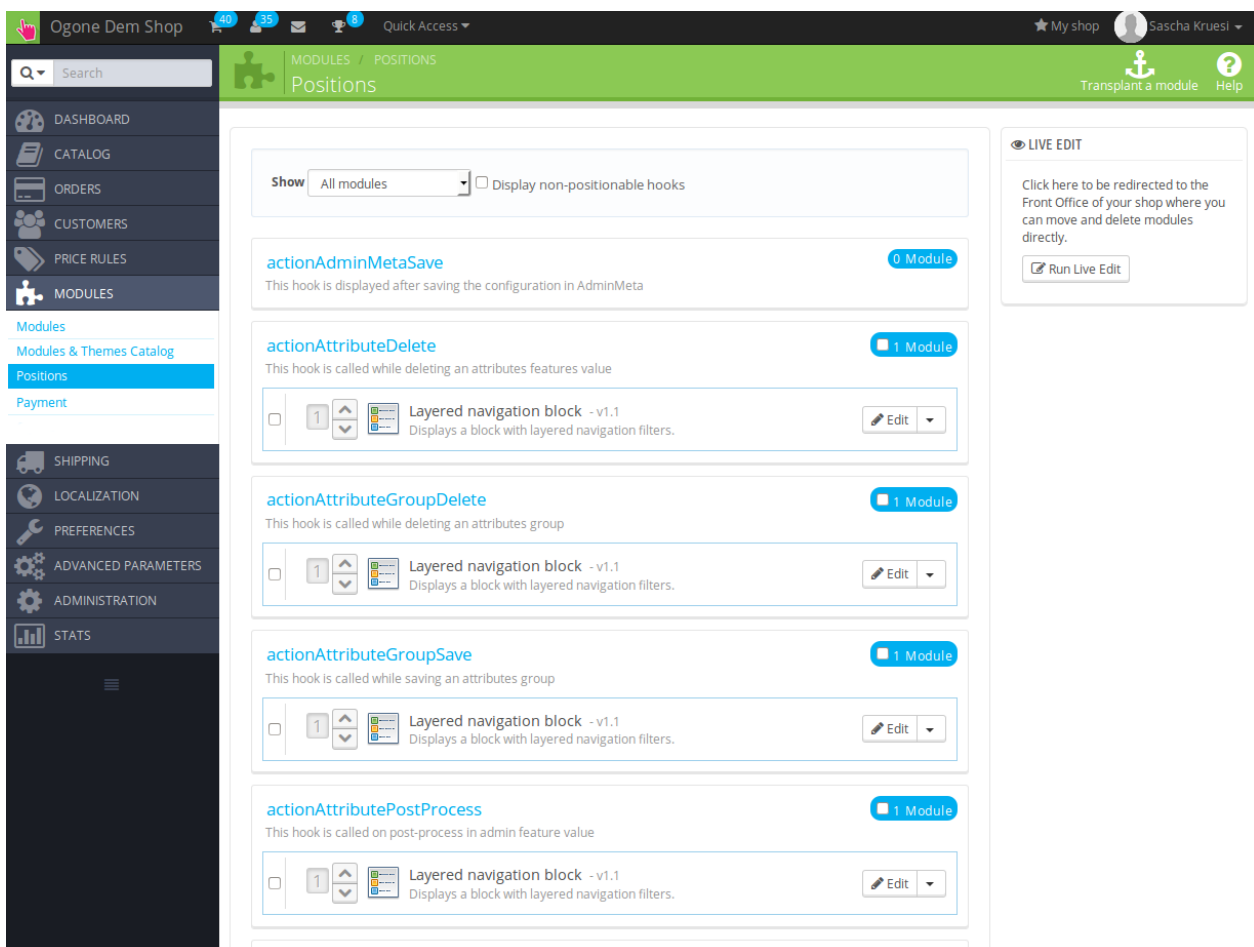


Figure 8.1: Disable the PrestaShop Hook.

## 8.2 The Referrer URL appears in my Analytics Tool

When a customer and the notification are redirected via Header Redirection, the Datatrans Referrer URL might appear in your Analytics Tool thus hiding the original traffic source. However, most Analytic Tools are able to minimize this problem.

In case you are using Google Analytics as reporting tool, this step by step guide may help you to exclude the URLs: [under bullet point 4](#).

## 9 Compatibility with Third-Party Plugins

The plugins listed below are compatible with our payment modules and allow you to handle certain tasks in an easier way.

### 9.1 Fee's and discount's within PrestaShop

To configure a Datatrans payment gateways based fee and discount you will need the following 3rd-Party plugin.

- [Payment Fees](#)

### 9.2 Birthday and gender in PrestaShop

For certain payment service providers it is necessary to check the birthday and the gender of a customer. PrestaShop does not check this by default. Information on how to enable those checks can be found here:

- [Birthday](#)
- [Gender](#)

## 10 Error Logging

The module will log different unexpected errors or information depending on the configured level. If there is any issue with the module, this log can help identify the cause.

### 10.1 Log Levels

You can configure the log level in the Datatrans settings.

If you're using Prestashop Version 1.5, make sure you FTP access to the server before activating the logging, as you may need to fix the write permissions on the log file.

- Off: Nothing is logged. (Default)
- Error: Logs unexpected errors only.
- Info: Logs extended information.
- Debug: Logs information helpful for debugging.

### 10.2 Log Location

In PrestaShop 1.5 the FileLogger is used. The log file is stored in the log folder of your installation. Please make sure the path exists and it is writable by the webserver. (Default Path: {shopRootDirectory}/log/)

In PrestaShop 1.6 and newer the default PrestashopLogger is used and are therefore stored in the database. The log message are visible in the PrestaShop backend under the menu item **Advanced Parameters > Logs**.



# 11 Advanced Information

This section of the manual is for advanced usage of the module. The content is for advanced users with special requirements. Everything in this section is optional and not required for the daily usage of the module.

## 11.1 Transaction Object

This section describes how to extract information from a transaction, if you need it for further processing. E.g. you require more information of the transaction for further processing an order in your ERP system.

The code snippets in this section assume your script resides in the root folder of the shop with the default shop folder structure.

Have Prestashop initialized in your script, this is required for the database connection.

```
require(dirname(__FILE__).' /config/config.inc.php');
```

Include the module main file and modules Transaction class.

```
require_once _PS_ROOT_DIR_.'/modules/datatranscw/datatranscw.php';
require_once _PS_ROOT_DIR_.'/modules/datatranscw/lib/DatatransCw/Entity
/Transaction.php';
```

Now you can load the transaction and then extract the transactionObject.

Load the transaction by Id:

```
$transactionById = DatatransCw_Entity_Transaction::loadById
($transactionId);
$transactionObject = $transactionById->getTransactionObject();
```

Load transactions by Order ID:

```
$transactionsByOrderId = DatatransCw_Entity_Transaction::
getTransactionsByOrderId($orderId);
foreach($transactionsByOrderId as $transaction){
    $transactionObject = $transaction->getTransactionObject();
    //Do something with each object
}
```