

Installation Manual for Datatrans xt:Commerce

This manual describes the installation and usage of the Datatrans extension for xt:Commerce.

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1 Introduction

This manual explains the installation, configuration and usage of the payment module for xt:Commerce 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
- xt:Commerce payment module by 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 xt:Commerce. Below you can find the most important requirements of the plugin:

- PHP Version: 5.4.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

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 Manager

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 xt: Commerce 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.

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 xt:Commerce 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 Base Module Configuration

The settings for the Base Module can be found in **"Content > Plugin > deinstalled plugins > Datatrans Base Module"**. To install the module, click 'install'. A new window should open now. Next, cclick F5 in your browser in order to reload all Java Script data of the modules and then return to the location of the installed plugins.

The settings of the module can be opened by clicking on the pen. Enter the options that you set in the administration surface of Datatrans. If an option is unclear, a click on the question mark will show more information. The central settings will be explained.

4.1.1 Sending e-Mails for status updates

Mark every status that you want to trigger an e-Mail to the customer if his order was set to this status.

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 xt:Commerce Shop under the menu item **Settings > Datatrans > Setup**.

4.3 Payment Method Configuration

After the Basic Module was configured successfully, the payment method settings for your shop can be found under Settings >. Every method is listed separately. Activate the desired payment methods by selecting them and clicking **Activate Selection**.

With a click on the pen, a new window for the settings will open. Most settings are self-explanatory. A click on the question mark shows additional information.

4.3.1 Choosing the Authorization Method

You can choose between several display options for the authorization of card payments. The option Authorization Method determines, which payment methods you would like to process.

For further information on the different authorization methods, visit our [sellxed website](#).

4.3.2 Payment Form Position

If you have the corresponding package of Datatrans, the payment information can be entered directly in your shop. The setting **Page for Payment Form** adjusts the position of the payment form

Payment Processing

Please bear in mind that additional options with Datatrans have to be enabled in order to use some of the payment processing methods.

Some authorization methods might not be available for every payment method.

4.3.3 Capturing Orders Directly

The option "Capturing" determines whether payments should be captured directly or if they should be authorized before. If you only want to authorize as a first step, ensure that the payments are issued later.

Depending on your Acquiring Contract, a reservation is guaranteed for a limited time only. If you are not capturing within this time, the authorization might not be guaranteed. Further information on the process of capturing is provided below.

Varying Settings between Datatrans - backend and module

The settings in the payment method module might overwrite your settings in the Datatrans backend.

4.3.4 Uncertain Status

You can mark orders without a 3D Secure Verification or other security mechanism failures. This allows you to examine the order manually before the shipment.

4.3.5 Setting the Order Status

You can determine which status the order should have for every payment method. This refers to the initial order status.

4.4 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.

4.5 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.

4.5.1 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.

4.6 Stock Management in xt:Commerce 4 / 5

Since the 19.05.2017 we changed the way we handle the stock implementation in xt:Commerce 4 / 5. Products will now automatically be restocked when the status of the order is changed to failed. The status of the order is automatically changed to failed if the customer does click on the cancel button on the payment page. However if he uses the back button in the browser we can not determine the status of the order. In this case you have to manually cancel the order to restock the items.

Please note the stock will automatically be increased if you switch an order into the failed state.

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

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.

Transaction Information	
Transaction ID	33
Transaction External ID	17_33
Authorization Status	successful
Order ID	17
Created On	2014-05-17T15:09:25+02:00
Updated On	2014-05-17T15:09:37+02:00
Customer ID	2
Zahlungsid	31411549
Autorisierungsbetrag	100
Währung	CHF
Zahlungsmethode	MasterCard
Zahlungsid	31411549
Verbuchter Betrag	100
Transaktion autorisiert	Ja
Transaktion ist unsicher	Nein
Transaktion verbucht	Ja
Transaktion bezahlt	Ja
Alias	XXXXXXXXXXXX0007 (05/17)
Alias Token	_xtc_4_17_330007
Akzeptanz	
Kartenummer	XXXXXXXXXXXX0007
Kartenablaufdatum	05/17
Händler Referenz	demo_sx_ps_xtc_4_17_33

Figure 6.1: Transaction Information.

6.1 Order Transaction Information

In each order processed by our module, you can view all important information on the transaction. For instance, this feature allows you to match the orders to the transactions visible in the Datatrans backend.

To view this information, open the orders. At the bottom of the order you will find the paragraph **Datatrans Transactions**. This shows all details on all former actions related to this order. Click on the key in the column "Action" to see the transaction information (c.f. image "Transaction Information").

Transactions				
Transaction ID	Datum	Status	Amount	Action
32	2014-05-17T15:06:08+02:00	pending	100.00	
33	2014-05-17T15:09:25+02:00	successful	100.00	

Figure 6.1: Transaction Overview

Dashboard | xt:Commerce Payments Registration | installierte Plugins | Zahlungsweise | PostFinance Transak

Aktion ▾

Neu Laden

Transaction ID	Externe ID	Order ID	Zahlungsmet...	Änderungsda...	Zahlungsid	Autorisierung...	Au
33	17_33	17	mastercard	05/17/2014	31411549	100.00000	su
32	17_32	17	mastercard	05/17/2014		100.00000	pe
31	16_31	16	postfinanceef...	05/11/2014		50.00000	pe
30	16_30	16	postfinanceef...	05/12/2014		50.00000	fai
29	15_29	15	creditcard	04/22/2014	30860419	150.00000	su
28	14_28	14	postfinanceef...	04/22/2014	30860413	100.00000	su
27	13_27	13	creditcard	04/22/2014	30860400	330.00000	su
26	12_26	12	postfinanceef...	04/17/2014	30785914	70.00000	su
25	11_25	11	creditcard	04/17/2014	30785907	50.00000	su
24	11_24	11	creditcard	04/17/2014		50.00000	pe
23	10_23	10	creditcard	04/17/2014	30785876	250.00000	su
22	10_22	10		04/17/2014			
21	10_21	10	creditcard	04/17/2014		250.00000	fai
20	10_20	10		04/17/2014			
19	10_19	10	creditcard	04/17/2014		250.00000	fai
18	10_18	10		04/17/2014			
17	10_17	10	creditcard	04/17/2014		250.00000	fai
16	9_16	9	postfinanceef...	04/16/2014	30766475	50.00000	su
15	9_15	9	postfinanceef...	04/16/2014		50.00000	pe
14	9_14	9	postfinanceef...	04/16/2014	30766459	50.00000	fai
13	8_13	8	postfinanceec...	04/16/2014	30766433	70.00000	su
12	7_12	7	postfinanceef...	04/16/2014	30766421	50.00000	su
11	6_11	6	creditcard	04/16/2014	30766406	50.00000	su
10	5_10	5	creditcard	04/16/2014	30766403	100.00000	su
9	4_9	4	postfinanceef...	04/16/2014	30765947	50.00000	su

Figure 6.1: Transaction Information

6.2 Transaction Table

In addition to information on the order, the transaction table shows information on the transactions in your shop. Among other things, it allows you to match the Datatrans transaction number to the order in your shop.

Transaction ID	Externe ID	Order ID	Zahlungsmet...	Änderungsda...	Zahlungsid	Autorisierung...	Autorisierung...	Bezahlt	V	Actions
33	17_33	17	mastercard	05/17/2014	31411549	100.00000	successful	y	C	
32	17_32	17	mastercard	05/17/2014		100.00000	pending	n	C	
31	16_31	16	postfinanceef...	05/11/2014		50.00000	pending	n	C	
30	16_30	16	postfinanceef...	05/12/2014		50.00000	failed	n	C	
29	15_29	15	creditcard	04/22/2014	30860419	150.00000	successful	y	C	
28	14_28	14	postfinanceef...	04/22/2014	30860413	100.00000	successful	y	C	
27	13_27	13	creditcard	04/22/2014	30860400	330.00000	successful	y	C	
26	12_26	12	postfinanceef...	04/17/2014	30785914	70.00000	successful	y	C	
25	11_25	11	creditcard	04/17/2014	30785907	50.00000	successful	y	C	
24	11_24	11	creditcard	04/17/2014		50.00000	pending	n	C	
23	10_23	10	creditcard	04/17/2014	30785876	250.00000	successful	y	C	
22	10_22	10		04/17/2014				y		
21	10_21	10	creditcard	04/17/2014		250.00000	failed	n	C	
20	10_20	10		04/17/2014				y		
19	10_19	10	creditcard	04/17/2014		250.00000	failed	n	C	
18	10_18	10		04/17/2014				y		
17	10_17	10	creditcard	04/17/2014		250.00000	failed	n	C	
16	9_16	9	postfinanceef...	04/16/2014	30766475	50.00000	successful	y	C	
15	9_15	9	postfinanceef...	04/16/2014		50.00000	pending	n	C	
14	9_14	9	postfinanceef...	04/16/2014	30766459	50.00000	failed	n	C	
13	8_13	8	postfinanceef...	04/16/2014	30766433	70.00000	successful	y	C	
12	7_12	7	postfinanceef...	04/16/2014	30766421	50.00000	successful	y	C	
11	6_11	6	creditcard	04/16/2014	30766406	50.00000	successful	y	C	
10	5_10	5	creditcard	04/16/2014	30766403	100.00000	successful	y	C	
9	4_9	4	postfinanceef...	04/16/2014	30765947	50.00000	successful	y	C	

Figure 6.1: Transaction Information.

6.3 Initiating payments in the xt:Commerce backend

The xt:Commerce payment module allows you to initiate a payment directly from the shop, the so called Mail Order / Telephone Order (MOTO). This feature requires an additional module. After installing the plugin, you can set up four orders in the Datatrans administration surface. When opening the order now, you can add a transaction to this order by clicking on **Add Moto Transaction** on the bottom right. The transaction will be forwarded to Datatrans directly.

6.3.1 Refunding Orders

In order to issue a refund, open the transaction information (c.f. above). This shows all information on the transaction. With a click on "Refund", an input mask for credit notes will open. By clicking **Refund**, the refund request is transmitted to Datatrans.

REFUND

Refund

Name	SKU	Type	Tax Rate	Quantity	Total Amount (excl. Tax)	Total Amount
Standardartikel	art001	product	0 %	<input type="text" value="1.00"/>	<input type="text" value="50.00"/>	50.00
Artikel mit Sonderpreis	art002	product	0 %	<input type="text" value="1.00"/>	<input type="text" value="70.00"/>	70.00
Total Refund Amount:						120.00 CHF

Close transaction for further refunds

Transactions History

Figure 6.1: refund button

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

6.4 Capturing / Cancelling Orders

Please note:

The transaction management between Datatrans and your shop is not synchronised. When you register payments with Datatrans, the status in the shop is not adjusted and the order cannot be captured in the shop again.

6.4.1 Capturing / Cancelling Orders

To capture orders, open the transaction information (c.f. above). This will show you all information on the transaction. With a click on "Capture" (top right), the order is forwarded to Datatrans. You do not have to log in to the Datatrans backend. You can enter the products you would like to capture in the input mask.

By clicking "Cancel" the transaction is cancelled and the reserved amount is cleared on the customer's card immediately.

CAPTURE

Capture

Name	SKU	Type	Tax Rate	Quantity	Total Amount (excl. Tax)	Total Amount (incl. Tax)
Standardartikel	art001	product	0 %	1.00	50.00	50.00
Artikel mit Sonderpreis	art002	product	0 %	1.00	70.00	70.00
Standard	Standard	shipping	0 %	1.00	0.00	0.00
Total Capture Amount:						120.00 CHF

Close transaction for further captures

ng Address Shipping Address

Figure 6.1: Capturing Transactions

6.5 Using the Alias Manager / Token Solution

The Alias Manager feature allows you to securely save your customers' credit card data at Datatrans for future orders. You can enable this by activating the option "Alias Manager" in the configuration of the [Payment Method](#). Now the customer can choose between already saved credit cards when ordering again, without having to enter all card information.

The screenshot shows the Alias Manager interface for a MasterCard. At the top left, there is a radio button labeled 'MasterCard'. Below it, the text 'Use stored Card' is displayed above a dropdown menu containing 'XXXXXXXXXXXX0007 (05/17)'. An orange button labeled 'Use new card' is positioned below the dropdown. The form contains four main sections, each with a label, an input field, and a descriptive instruction:

- Card Holder Name***: Input field contains 'Test Test'. Instruction: 'Please enter here the card holder name on the card.'
- Card Number***: Input field contains 'XXXXXXXXXXXX0007'. Instruction: 'Please enter here the number on your card.'
- Card Expiration***: Two dropdown menus, the first contains '05' and the second contains '2017'. Instruction: 'Select the date on which your card expires.'
- CVC Code***: An empty input field. Instruction: 'Please enter here the CVC code from your card. You find the code on the back of the card.'

The MasterCard logo is visible in the top right corner of the form area.

Figure 6.1: Alias Manager

Please remember:

It is necessary to enable the respective option with Datatrans to use the Alias Manager. To do this, please contact the support team.

6.6 Setting up Cron Job

To activate the time-controlled plug-in functions (e.g. Update Service, deleting pendant orders, etc.), follow the Datatrans instructions for the set up of Cron Job.

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 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 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.

9.1 Log Levels

You can configure the log level in the Datatrans settings.

- Error: Logs unexpected errors only. (Default)
- Info: Logs extended information.
- Debug: Logs information helpful for debugging.

9.2 Log Location

The log file is stored in the xt:Commerce log directory. Please make sure the path exists and it is writable by the webserver. (Default Path: {shopRootDirectory}/xtLogs/)

10 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.

10.1 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 xt:Commerce initialized in your script, this is required for the database connection.

```
$root_dir = dirname(__FILE__).' /';  
define('_VALID_CALL', 'true');  
define('_SRV_WEBROOT', $root_dir);
```

```
include _SRV_WEBROOT.'conf/debug.php';  
include _SRV_WEBROOT.'conf/config.php';
```

```
include _SRV_WEBROOT.'conf/database.php';  
include _SRV_WEBROOT.'conf/paths.php';  
include _SRV_WEBROOT._SRV_WEB_FRAMEWORK.'function_handler.php';  
include _SRV_WEBROOT._SRV_WEB_FRAMEWORK.'database_handler.php';
```

Include the module main file and module classes.

```
require_once 'plugins/datatranscw/init.php';  
require_once 'plugins/datatranscw/lib/DatatransCw/Util.php';
```

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

Load the transaction by Id:

```
$transactionById = DatatransCw_Entity_Util::loadTransaction  
($transactionId);  
$transactionObject = $transactionById->getTransactionObject();
```