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## Novalnet payment module for **OXID eShop**

### Installation guide

Version 11.1.3

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## Changelog

Version	Description & changes	Date
11.1.3	<b>[Enhanced]</b> Dynamic IP control applied through domain instead of static IP in vendor script. Actual IP of Novalnet will be extracted in real time from the domain	21-11-2017
11.1.2	<b>[New]</b> Implemented Barzahlen payment method <b>[New]</b> Implemented Novalnet updates page <b>[Enhanced]</b> Merchant Administration Portal link has been updated in shop admin <b>[Enhanced]</b> Optimized vendor script validation <b>[Removed]</b> Refund with account details from shop admin <b>[Removed]</b> Enable debug mode configuration in Merchant script management	15-09-2017
11.1.1	<b>[Enhanced]</b> Updated payment logo for Credit Card and Invoice payment <b>[Enhanced]</b> Added new parameter in all API calls <b>[Compatible]</b> Tested with OXID eShop enterprise edition 5.1.x-5.3.x	07-04-2017
11.1.0	<ul style="list-style-type: none"> <li>- Credit Card iframe updated.</li> <li>- One click shopping for Credit Card and PayPal implemented.</li> <li>- Edit option in Credit Card and PayPal for registered customers implemented.</li> <li>- Zero amount booking for PayPal implemented.</li> <li>- On-hold transactions for PayPal implemented.</li> <li>- New payment method "Przelewy24" added.</li> </ul>	16-02-2017
11.0.0	<ul style="list-style-type: none"> <li>- Auto configuration of vendor credentials.</li> <li>- Zero amount booking.</li> <li>- One click shopping for Direct Debit SEPA.</li> <li>- Iframe and hosted page implementation for Credit Card.</li> <li>- Implemented Direct Debit SEPA with payment guarantee, Invoice with payment guarantee and giropay payments.</li> <li>- Edit option in Direct Debit SEPA for registered customers.</li> <li>- Direct Debit SEPA overlay removed.</li> <li>- Notify URL configuration in shop backend.</li> <li>- Logo control has been implemented in global configuration.</li> <li>- New booking with payment reference.</li> <li>- Responsive templates has been implemented.</li> </ul>	24-05-2016
10.0.1	- Compatibility has been checked for Oxid eShop community edition 4.9.6 and enterprise edition 5.2.6	04-11-2015
10.0.0	- New release	05-06-2015

## About this document

This document relates to the Novalnet payment module of **OXID eShop** and contains important information about installing and using the payment module. At the same time, this document serves as performance and functional specification for features in the payment module.

### Contact details

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## Freeware-License agreement

### Preamble

The following agreement governs the rights and responsibilities between you (the "Partner") and the Novalnet in relation to the cost-free software solutions service and support provided by Novalnet, by connecting your e-commerce systems to the payment platform of Novalnet services, which Novalnet offers in accordance with a service contract to its partners, are not affected explicitly by this agreement. From this particular agreement, is not explicitly affected the services Novalnet under the contract between the parties to the service contract partners are providing. By installing and using the software, you automatically confirm that you have read this freeware license agreement and agree with it. If you do not agree to these conditions, as a partner, please do not install and use the software.

### License

Novalnet grants you a non-exclusive, free of charge right of usage of the payment modules provided by Novalnet free of charge and all further modules Novalnet publishes elsewhere whose duration is limited to the duration of the service contract between the parties involved. According to the license agreement, you may install the software on one or more computers and use them. The license for the software is free. The partner agrees to the usage of the payment modules and / or parts of modules exclusively for the Novalnet-provided services, mentioned under the Treaty/agreement. The partner is not entitled to any technical support of any kind from Novalnet. Novalnet is therefore not obliged to ensure the maintenance or revision or development of the software.

### Copyright

All title, ownership rights and intellectual property rights to and from the Software, as well as all copies of the software, and any related documentation, are the property of Novalnet (<https://www.novalnet.de>). All rights are reserved. Novalnet reserves legal measures in case of a breach of this agreement.

### Guarantee and Liability

The Payment modules will be explicitly made available "as they are defined". For the correct functioning of the payment modules and/or parts of the payment modules, Novalnet does not provide guarantee. Similarly Novalnet assumes no liability for damages and/or consequential damages, directly or indirectly which can be associated with the use of Novalnet cost-free payment modules, unless the damage is intentional or through gross negligence. Not part of this disclaimer agreement, is damage caused from injury to life or health.

### Legal claims and Severability clause

The laws of the Federal Republic of Germany will be applicable. The place in a court of law or going to court will be Munich. Should any present or future provision of the agreement, in whole or in part, become invalid, for reasons other than the § § 305-310 of the Civil Code (BGB), the validity of the remaining provisions of the agreement will not be affected. The parties shall replace the ineffective, invalid or unenforceable provision by a valid one that will be void in its legal and economic substance, of the ineffective or not feasible provision, and also in compliance with the overall purpose of the agreement. The same applies, if after the conclusion of the agreement, there are gaps or loopholes found in the agreement. The provision of § 139 BGB (severability) is totally excluded.

If you need further information, kindly contact our technical service team

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## 1. General

Novalnet is a leading payment institution offering online gateways for processing of online payments. Novalnet provides online merchants user-friendly payment modules for all major shop systems as well as for self-programmed websites. The product and service portfolio is very comprehensive and includes all commonly used payment methods of online payment. These include a variety of intelligent fraud prevention modules, free technical support, an automated accounts receivable management system, a comprehensive subscription and membership management, as well as a very useful affiliate program. The experienced and international team of specialists at Novalnet is committed to support online merchants with in-depth knowledge and to work together with them hand in hand to increase their revenue and the quality of their online payment.

Novalnet is accredited by the BaFin as a payment institution. Novalnet meets all the requirements set down by this supervisory authority and thus officially offers its merchants, in all areas, a fully legally compliant service. This provides the best protection against fraud and swindle for merchants and their customers. This official accreditation as a payment institution is a seal of approval which should be a must for every online merchant searching for a payment service provider.

Novalnet can be found on the official list of BaFin approved Payment Institution. For further information, please refer to <https://www.novalnet.com>

### About the OXID eShop system

OXID eSales is one of the top leading companies in the market of eCommerce shop software solutions. The OXID eShop is scalable as well as an adaptable software with an outstanding price-performance-ratio. The complementary eCommerce platform, OXID eFire, offers profound integration possibilities to several eCommerce partners like payment providers, web controlling/data mining companies, product portals, pricing search-engines or affiliate programs and ensures online-trade with a sustainable effect and success.

Since November 2008, the company is following a commercial open source strategy, based on a closely-nit partnership with the user community. This works very well for the company, as a large network of users provide constructive feedback and suggestions for improvement, which are incorporated into further developments. Moreover, the requirements of enterprise customers are best addressed through this open-source platform.






To test the demo shop, use the following link <https://oxid.novalnet.de>

## 2. Functional specification






### 2.1 Supported payment methods

This module supports, processing of the following payment methods via Novalnet platform.






#### Credit Cards

Visa	
MasterCard	
American Express	
CartaSi	
Maestro	

#### Online Transfer

iDEAL	
Instant Bank Transfer	
eps (Electronic Payment Standard)	
giropay	
Przelewy24	

## Account-based payment methods

Direct Debit SEPA	
Direct Debit SEPA payment with guarantee	
Invoice	
Invoice payment with guarantee	
Prepayment	
Barzahlen	

## Wallet system

PayPal	
--------	---

## 2.2 Risk and control management

### 2.2.1 Fraud modules

Novalnet payment module supports the following risk management services

- Double booking blockade
- Blacklist
- Email validation
- Luhn Check
- Basic Address Check
- Credit Card bin check
- PIN by Callback
- PIN by SMS

In order to use the aforementioned risk management services, the shop operator is required to enable the **Fraud module** in Novalnet platform.

For processing Credit Card payment, the plausibility and validity of the Credit Card numbers using the Luhn check (Credit Card check) is employed independent of the functionality of the fraud modules.

## 2.3 Integration to the checkout and types of connectivity (interfaces)

Novalnet payment module seamlessly adapts the existing checkout process of the OXID eShop system. Communication and data transfer are performed in the background between the module and the server API of the Novalnet platform. For payments by Credit Card, data is transferred to Novalnet platform via client API during the checkout process for checking and secure storage of Credit Card details at Novalnet.

The status of the completed transactions is sent to OXID eShop system by Novalnet platform, which is processed by the module to synchronize an order in the OXID eShop system

## 2.4 Payment Card Industry Data Security Standard (PCI DSS)

The Payment Card Industry Data Security Standard (PCI DSS) is a set of rules, regulations or standards for payments, which refers to processing of Credit Card transactions and it is supported by all major Credit Card companies.

When using the Novalnet payment module for OXID eShop, you, as a merchant, is not required to pass certification according to the Payment Card Industry Data Security Standard (PCI DSS).

The AJAX technology used for the client API of the Novalnet platform ensure that the OXID eShop is never in direct contact with any sensitive Credit Card details, because the consumer transfers directly from client's browser to Novalnet platform. During the checkout process, the consumer will not be redirected to other pages (except for Credit Card 3-D secure).

For more information on the Payment Card Industry Data Security Standard, please refer to <https://www.novalnet.com/pci-dss-certification>

## 3. Download and installation

### 3.1 Compatibility and requirements

#### OXID eShop

- Version: 4.8.x - 4.10.6 and 5.1.x - 5.3.6

#### Novalnet

- Novalnet merchant account
- Novalnet payment module for OXID eShop

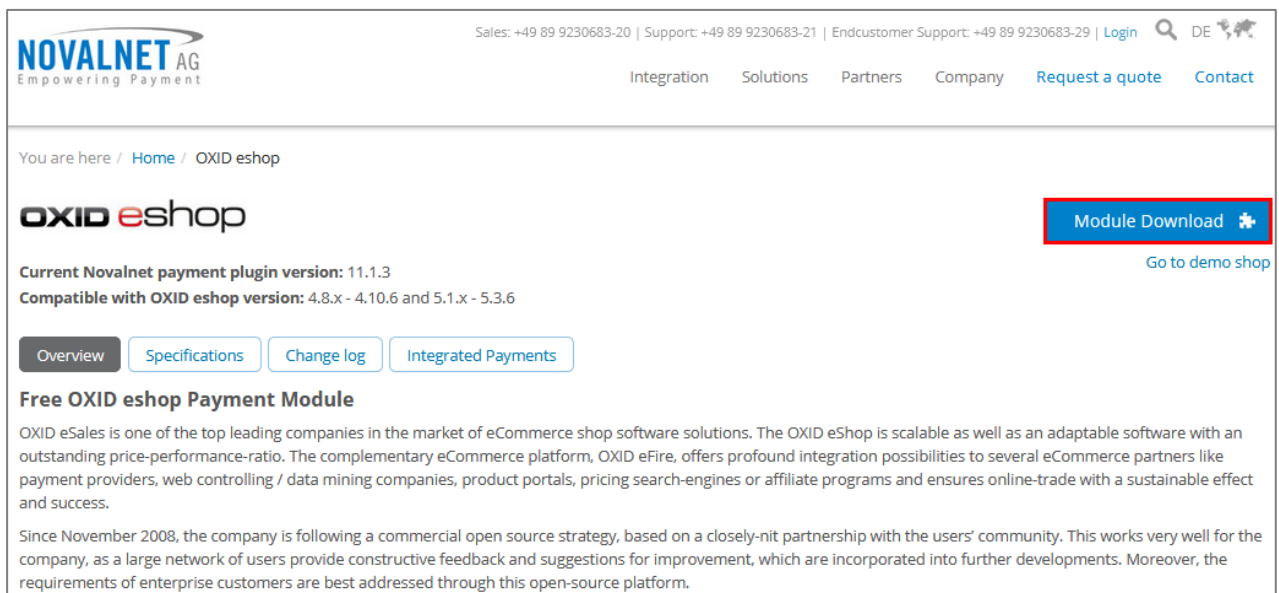
If you do not already have Novalnet merchant account, please contact us at [sales@novalnet.de](mailto:sales@novalnet.de). Based upon the request, we can provide you with a test account.

### 3.2 Steps for installation

#### 3.2.1 Download

Go to the Novalnet website by using the below link and click on the **Module Download** as shown below.

Link: <https://www.novalnet.com/modul/oxid-eshop-payment-module>



The screenshot shows the Novalnet website interface. At the top, there is a header with the Novalnet logo and contact information: Sales: +49 89 9230683-20 | Support: +49 89 9230683-21 | Endcustomer Support: +49 89 9230683-29 | Login. Below the header is a navigation bar with links: Integration, Solutions, Partners, Company, Request a quote, and Contact. The main content area shows the OXID eShop logo and a 'Module Download' button highlighted with a red box. Below the logo, it states 'Current Novalnet payment plugin version: 11.1.3' and 'Compatible with OXID eshop version: 4.8.x - 4.10.6 and 5.1.x - 5.3.6'. There are also tabs for Overview, Specifications, Change log, and Integrated Payments. The text describes the OXID eShop as a scalable and adaptable software solution for eCommerce, and mentions a commercial open source strategy since November 2008.

Fig: 3.2.1 (a)

Once you have successfully filled the required fields, click on the **SUBMIT NOW** button. After submitting the payment enquiry request form, the Novalnet support team will contact you to proceed further.

You are here / [Home](#) / payment-enquiry-request

Company

Deutschland ▼

Street. Number

Place

City

Salutation ▼

First Name

Last Name \*

E-mail \*

Telephone \*

Website \*

Message

Fields marked (\*) are mandatory

**SUBMIT NOW**

Fig: 3.2.1 (b)

**Note:** Kindly, do all the necessary steps mentioned in the readme file **oxid\_novalnet\_readme.txt**.

## 4. Configuration

### 4.1 Configuration wizard

To activate the Novalnet module, go to **EXTENSIONS** → **Modules** and choose **Novalnet** from the list of modules.

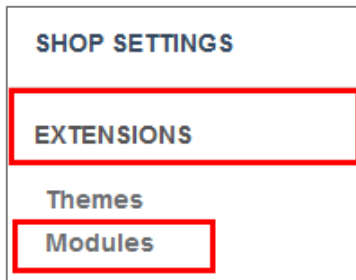


Fig: 4.1 (a)

ACTIVE	NAME
<input checked="" type="checkbox"/>	Invoice PDF
<input type="checkbox"/>	Novalnet
<input type="checkbox"/>	OXID eShop theme switch
<input type="checkbox"/>	Paymorrow Payments
<input type="checkbox"/>	PAYONE FinanceGate

Fig: 4.1 (b)

Activate the Novalnet module by clicking on the **Activate** button.

### 4.2 Global settings

#### 4.2.1 Global setting configuration

To configure Novalnet Global Configuration, go to **NOVALNET** → **Novalnet payment configuration** from the **eShop Admin** panel.

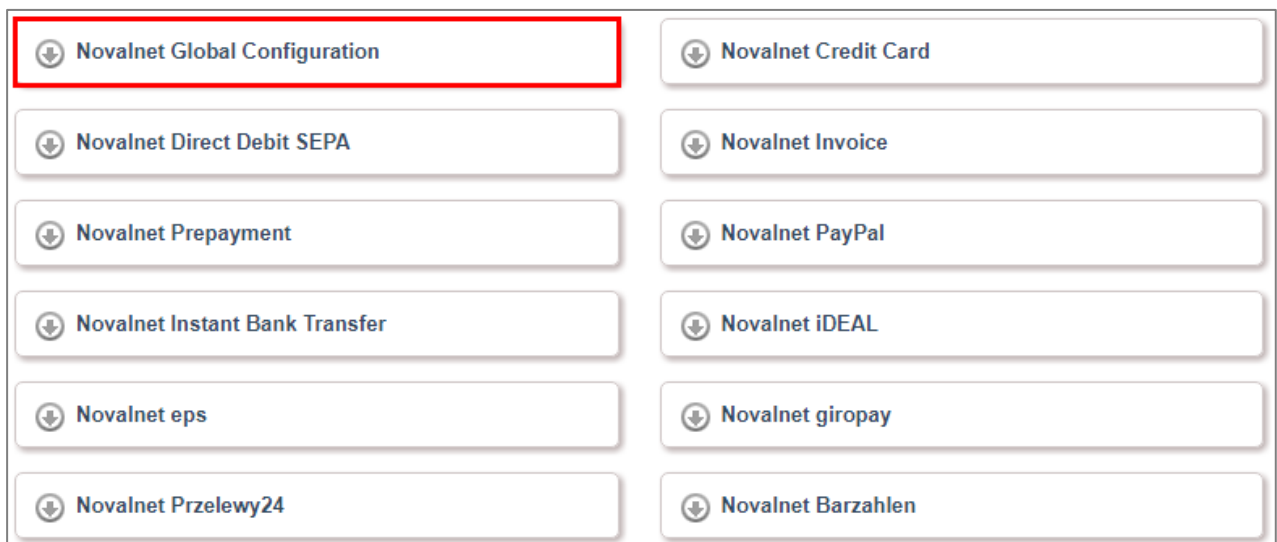



Fig: 4.2.1 (a)

## Product activation key

To configure the merchant details, enter the given activation key in the **Product activation key** field.

Once the activation key is entered in the **Product activation key** field, the basic configuration details will be filled automatically.


**Novalnet Global Configuration**

▲ For additional configurations login to [Novalnet Merchant Administration Portal](#).  
To login to the Portal you need to have an account at Novalnet. If you don't have one yet, please contact [sales@novalnet.de](mailto:sales@novalnet.de) / tel. +49 (089) 923068320

To use the PayPal payment method please enter your PayPal API details in [Novalnet Merchant Administration portal](#)

**Product activation key**

▲ Enter Novalnet Product activation key. To get the Product Activation Key, go to [Novalnet admin portal](#) - PROJECTS: Project Information - Shop Parameters: API Signature (Product activation key)

**Merchant ID**

**Authentication code**

**Project ID**

**Tariff ID**

None ▼

▲ Select Novalnet tariff ID

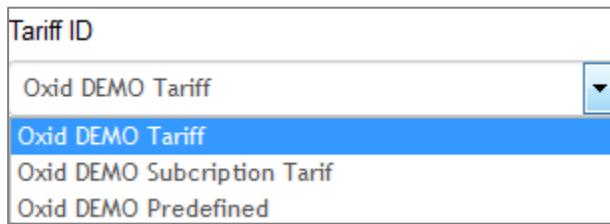
**Payment access key**

Fig: 4.2.1 (b)



## Tariff ID

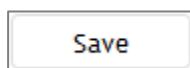
Tariff id field can be configured based on the merchant's requirement.



Tariff ID	
Oxid DEMO Tariff	▼
Oxid DEMO Tariff	
Oxid DEMO Subscription Tarif	
Oxid DEMO Predefined	

Fig: 4.2.1 (c)

Click on the **Save** button to update/save the changes made.



Save
------

Fig: 4.2.1 (d)

Field	Description
Product activation key	Novalnet provides a activation key when a merchant opens an account at Novalnet , and once the value is entered in "Product activation key" field, all basic parameters (merchant id, authcode, project id, tariff id, payment access key) will be filled automatically.
Merchant ID	Merchant identification number is provided by Novalnet after opening a merchant account at Novalnet. Please contact Novalnet at <a href="mailto:sales@novalnet.de">sales@novalnet.de</a> for getting your own merchant account.
Authentication code	Merchant authentication code is provided by Novalnet after opening a merchant account at Novalnet.
Project ID	Project identification number is an unique ID of merchant project. The merchant can create N number of projects through Novalnet merchant administration portal.
Tariff ID	Tariff identification number is an unique ID for each merchant project. The merchant can create N number of tariffs through Novalnet merchant administration portal.
Payment access key	This is the secure public key for encryption and decryption of transaction parameters. This is mandatory value for all online transfers, Credit Card-3D secure and wallet systems.
Set a limit for on-hold transaction (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)	In case the order amount exceeds mentioned limit, the transaction will be set on-hold till your confirmation of transaction. (For PayPal: In order to use this option you must have billing agreement option enabled in your PayPal account. Please contact your account manager at PayPal.)
Proxy server	Enter the IP address of your proxy server along with the port number in the following format IP Address : Port Number (if applicable). ( Eg. 192.168.1.2: 22 )
Gateway timeout (in seconds)	In case the order processing time exceeds the gateway timeout, the order will not be placed.
Referrer ID	Referrer ID of the person/company who recommended you Novalnet.
Enable E-mail notification for test transactions	If true, the merchant will receive email notifications about every test order in the web shop.
Display payment method logo	Payment method logo will be displayed on the checkout page.

**Table 4.2.1**

## 4.3 Payment methods

### 4.3.1 Overview

After the Novalnet module activation, go to **SHOP SETTINGS** → **Payment Methods** to view the installed payment methods.

Configure the settings for the respective payment method by clicking on it.












<input checked="" type="checkbox"/>	Barzahlen	
<input checked="" type="checkbox"/>	Credit Card	
<input checked="" type="checkbox"/>	Direct Debit SEPA	
<input checked="" type="checkbox"/>	eps	
<input checked="" type="checkbox"/>	giropay	
<input checked="" type="checkbox"/>	iDEAL	
<input checked="" type="checkbox"/>	Instant Bank Transfer	
<input checked="" type="checkbox"/>	Invoice	
<input checked="" type="checkbox"/>	PayPal	
<input checked="" type="checkbox"/>	Prepayment	
<input checked="" type="checkbox"/>	Przelewy24	

Fig: 4.3.1

### 4.3.2 Configuring the payment methods in the shop

#### 4.3.2.1 Assigning user groups for the payment method

To assign user groups for the selected payment method, click on the **Assign User Groups** button under **Main** tab.

Main
Country
RDFa

Active
☒

Name

Price Surcharge/Reduction (€)

Base of price surcharge/reduction:

☒ 1. Value of all goods in cart
☒ 2. Discounts
☒ 3. Vouchers
☒ 4. Shipping costs
☐ 5. Gift Wrapping/Greeting Card

min. Credit Rating

Purchase Price (€)
from  to

Selected
☒

Sorting

Fields

Assign User Groups

Payment Description

Fig: 4.3.2.1 (a)

Now, choose the user groups from the **Not available in User Groups** column and then drag & drop the selected user groups into the **Available in User Groups** column.

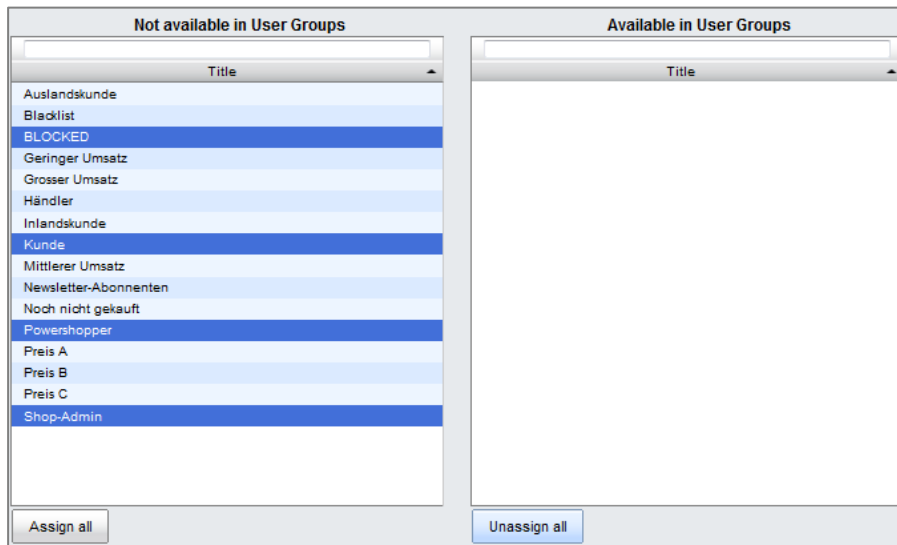


Fig: 4.3.2.1 (b)

After assigning the user groups, **Available in User Groups** list will be displayed as shown below.

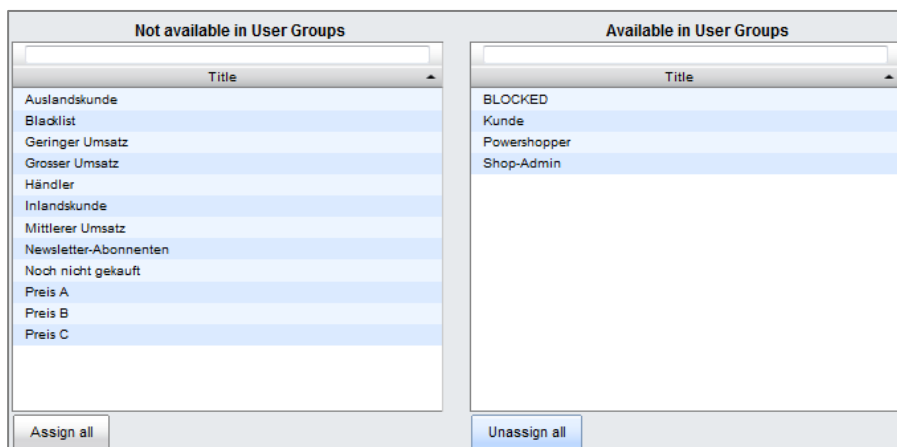


Fig: 4.3.2.1 (c)

### 4.3.2.2 Assigning countries for the payment method

To assign countries for the selected payment method, select the **Country** tab and then click on the **Assign Countries** button.



Fig: 4.3.2.2 (a)

Now, choose the countries from the **All Countries** column and then drag & drop the selected countries into the **Assigned Countries** column.

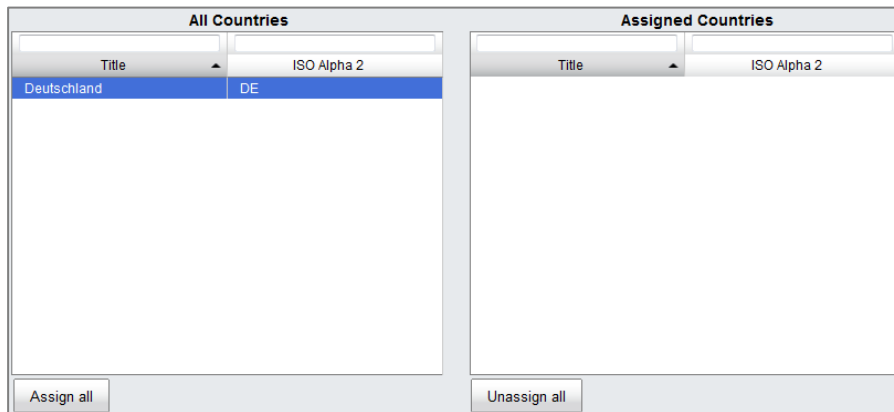


Fig: 4.3.2.2 (b)

After assigning the countries, **Assigned Countries** list will be displayed as shown below.

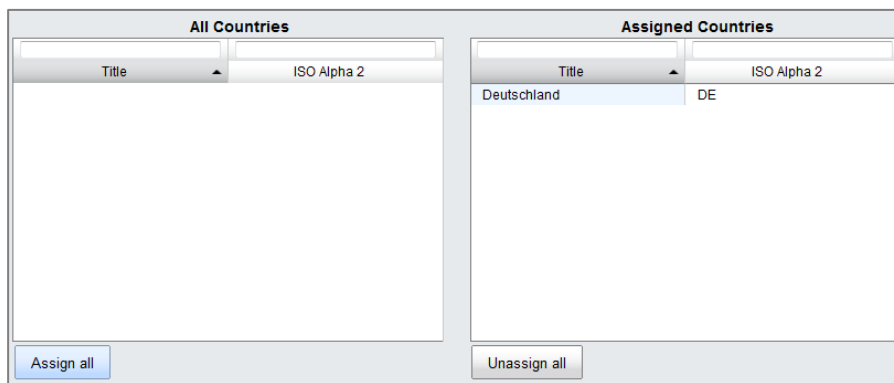


Fig: 4.3.2.2 (c)

### 4.3.2.3 Configuring the shipping methods

To configure the shipping methods, go to **SHOP SETTINGS** → **Shipping Methods**. Choose the shipping method that needs to be configured from the list as displayed below.

A	NAME	
<input checked="" type="checkbox"/>	Standard	
<input checked="" type="checkbox"/>	Beispiel Set1: UPS 48 Std.	
<input checked="" type="checkbox"/>	Beispiel Set1: UPS 24 Std. Express	

Fig: 4.3.2.3 (a)

To assign payment methods for the selected shipping method, click on the **Assign Payment Methods** button from the **Payment** tab.

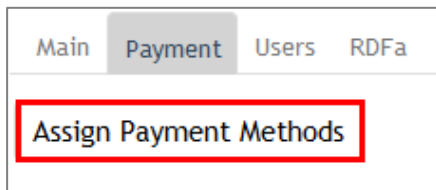


Fig: 4.3.2.3 (b)

Now, choose the payment methods from the **All Payment Methods** column and then drag & drop the selected payment methods into the **Assigned Payment Methods** column.

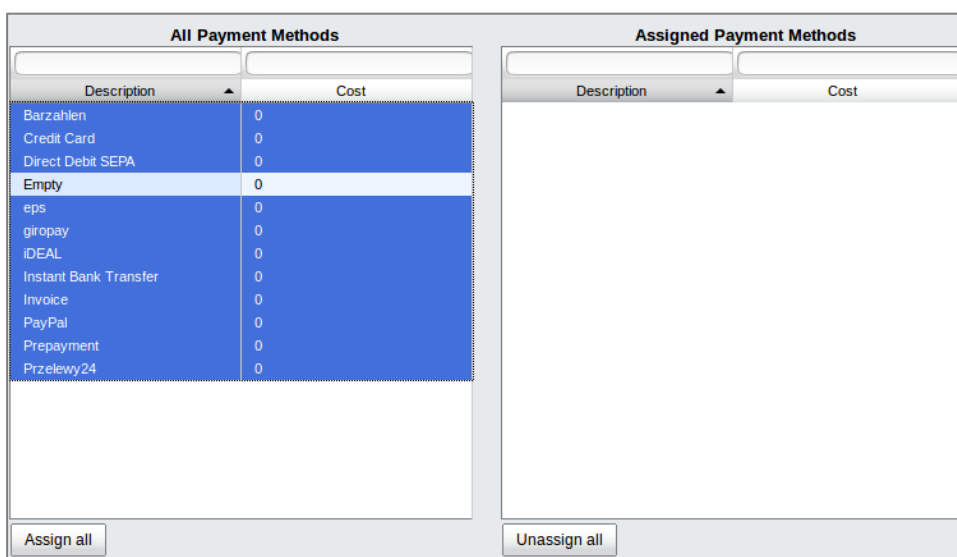


Fig: 4.3.2.3 (c)

After assigning the payment methods, **Assigned Payment Methods** list will be displayed as shown below.

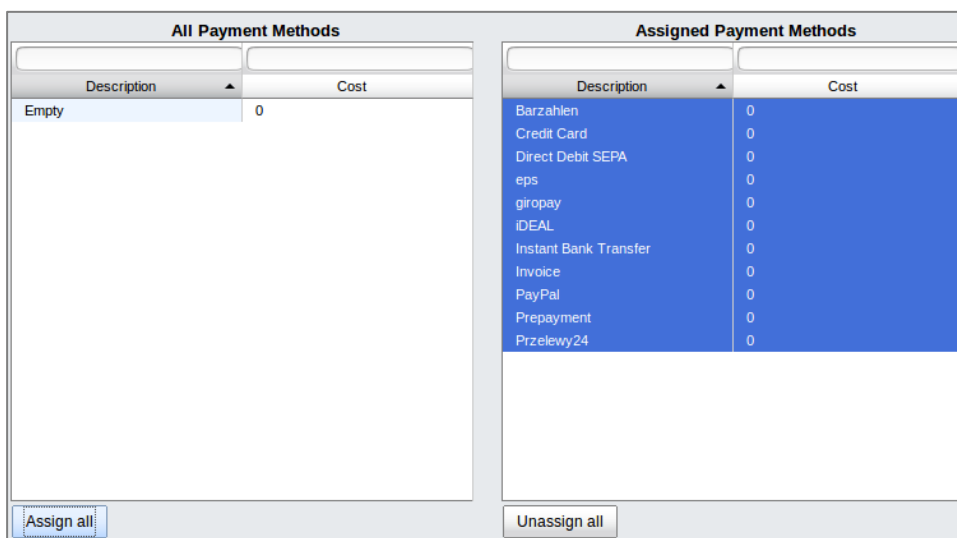


Fig: 4.3.2.3 (d)

#### 4.3.2.4 Assigning user groups for the shipping method

To assign user groups for the selected shipping method, click on the **Assign User Groups** button from the **Users** tab.



Fig: 4.3.2.4 (a)

Now, choose the user groups from the **All User Groups** column and then drag & drop the selected user groups into the **Assigned User Groups** column.

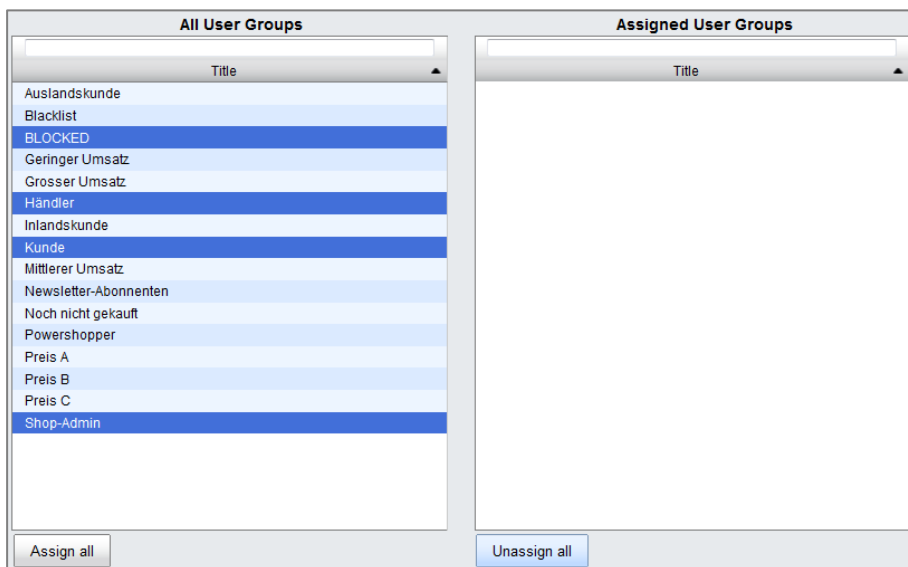


Fig: 4.3.2.4 (b)

After assigning the user groups, **Assigned User Groups** list will be displayed as shown below.

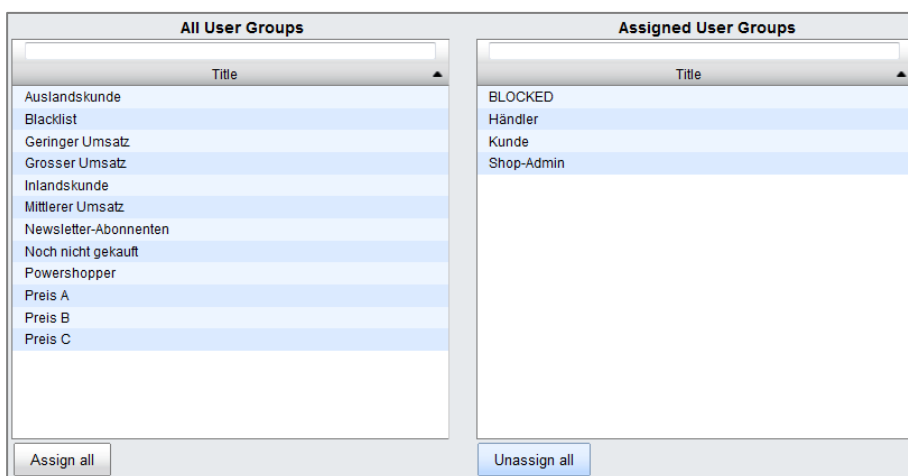


Fig: 4.3.2.4 (c)

### 4.3.2.5 Assigning users for the shipping method

To assign user groups for the selected shipping method, click on the **Assign Users** button from the **Users** tab.



Fig: 4.3.2.5 (a)

Now, choose the users from the **All Users** column and then drag & drop the selected users into the **Assigned Users** column.

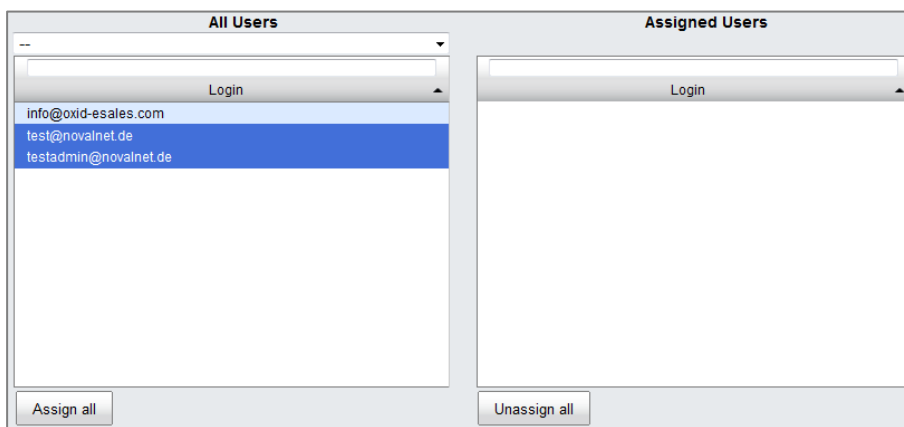


Fig: 4.3.2.5 (b)

After assigning the users, **Assigned Users** list will be displayed as shown below.

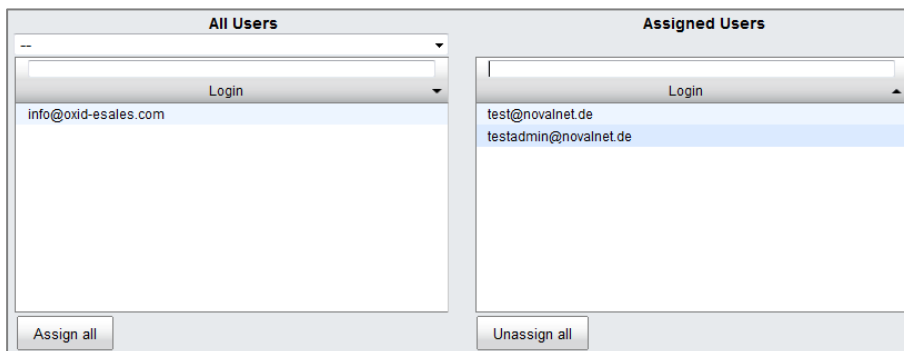


Fig: 4.3.2.5 (c)



## 4.4 Configuring the payment methods in the Novalnet module

To configure the Novalnet payment methods, go to **NOVALNET** → **Novalnet payment configuration** and choose the respective Novalnet payment.

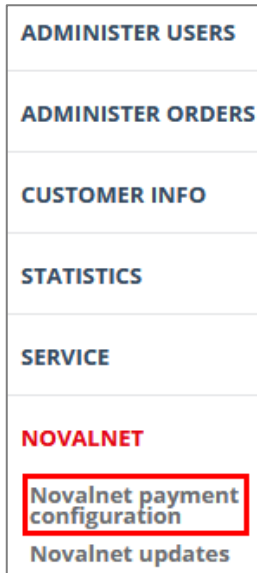


Fig: 4.4 (a)

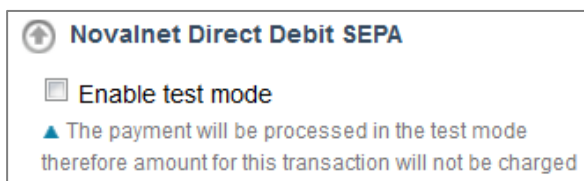


Fig: 4.4 (b)

Configure the required fields and click on the **Save** button to update/save the changes made.

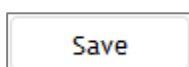


Fig: 4.4 (c)

**Note:** Kindly follow the same to configure the remaining Novalnet payment methods.

Field	Description
Enable test mode	Payment will be processed in test mode therefore amount for this transaction will not be charged.
Notification for the buyer	Text entered in this field will be displayed on the checkout page.
Transaction reference 1 / Transaction reference 2	This reference will appear in your bank account statement

Table 4.4

## 4.5 Payment methods specific settings

### 4.5.1 Credit Card

Field	Description
Enable 3D Secure	On activating 3D-Secure, the issuing bank prompts the buyer for a password. This helps in preventing a fraudulent payment. It can be used by the issuing bank as evidence that the buyer is indeed the card holder. This is intended to help decrease a risk of charge-back.
Shopping type	Based on the selection of shopping type, the payment will proceed with one click shopping or zero amount booking.
Form appearance	Based on the given input, the form will display in the checkout page. Merchant can customize the form style, based on the needs.  In general, the form will display with the shop's default CSS settings.
Display AMEX logo	Merchant can activate/deactivate AMEX card acceptance by using this option. The merchant should have an AMEX business case before activating this option.  If it is activated, AMEX logo will appear on the checkout page.
Display Maestro logo	Merchant can activate/deactivate Maestro card acceptance by using this option. The merchant should have an Maestro business case before activating this option.  If it is activated, Maestro logo will appear on the checkout page.
Display CartaSi logo	Merchant can activate/deactivate CartaSi card acceptance by using this option. The merchant should have an CartaSi business case before activating this option.  If it is activated, CartaSi logo will appear on the checkout page.

**Table 4.5.1**

## 4.5.2 Direct Debit SEPA

Field	Description
SEPA payment duration (in days)	Number of days after which the payment should be processed (must be greater than 6 days).
Shopping type	Based on the selection of shopping type, the payment will proceed with one click shopping or zero amount booking.
Enable auto-fill	Payment details will be filled automatically in the payment form during the checkout process.
Enable auto-fill for payment data	For the registered users SEPA direct debit details will be filled automatically in the payment form.
Enable payment guarantee	<p>Direct Debit SEPA with payment guarantee should be activated on Novalnet admin portal, before you activate this option here.</p> <p>Basic requirements for payment guarantee: Allowed countries: AT, DE, CH. Allowed currency: EUR. Minimum amount of order <math>\geq</math> 20,00 EUR. Maximum amount of order <math>\leq</math> 5.000,00 EUR. Minimum age of end customer <math>\geq</math> 18 Years. The billing address must be the same as the shipping address. Gift certificates/vouchers are not allowed.</p>
Minimum order amount (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)	This setting will override the default setting made in the minimum order amount. Note that amount should be in the range of 20,00 EUR - 5.000,00 EUR.
Maximum order amount (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)	This setting will override the default setting made in the maximum order amount. Note that amount should be greater than minimum order amount, but not more than 5.000,00 EUR
Force Non-Guarantee payment	If the payment guarantee is activated (True), but the payment guarantee requirements are not met, the payment will be processed as non-guarantee payment.

**Table 4.5.2**

### 4.5.3 Invoice

Field	Description
Payment due date (in days)	Number of days to transfer the payment amount to Novalnet (must be greater than 7 days). In case if the field is empty, 14 days will be set as due date by default.
Payment Reference 1 (Novalnet Invoice Reference)	It will display Novalnet invoice reference details in order comments.
Payment Reference 2 (TID)	It will display Novalnet transaction id (TID) in order comments.
Payment Reference 3 (Order No)	It will display order number in order comments.
Enable payment guarantee	Invoice with payment guarantee should be activated on Novalnet admin portal, before you activate this option here.  Basic requirements for payment guarantee: Allowed countries: AT, DE, CH. Allowed currency: EUR. Minimum amount of order $\geq$ 20,00 EUR. Maximum amount of order $\leq$ 5.000,00 EUR. Minimum age of end customer $\geq$ 18 Years. The billing address must be the same as the shipping address. Gift certificates/vouchers are not allowed.
Minimum order amount (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)	This setting will override the default setting made in the minimum order amount. Note that amount should be in the range of 20,00 EUR - 5.000,00 EUR.
Maximum order amount (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)	This setting will override the default setting made in the maximum order amount. Note that amount should be greater than minimum order amount, but not more than 5.000,00 EUR
Force Non-Guarantee payment	If the payment guarantee is activated (True), but the payment guarantee requirements are not met, the payment will be processed as non-guarantee payment.

Table 4.5.3

### 4.5.4 Prepayment

Field	Description
Payment Reference 1 (Novalnet Invoice Reference)	It will display Novalnet invoice reference details in order comments.
Payment Reference 2 (TID)	It will display Novalnet transaction id (TID) in order comments.
Payment Reference 3 (Order No)	It will display order number in order comments.

Table 4.5.4

### 4.5.5 PayPal

Field	Description
Shopping type	Based on the selection of shopping type, the payment will proceed with one click shopping or zero amount booking.

Table 4.5.5

## 4.5.6 Barzahlen

Field	Description
Slip expiry date (in days)	Enter the number of days to pay the amount at store near you. If the field is empty, 14 days will be set as default.

Table 4.5.6

## 4.6 Fraud modules configuration

We have integrated the fraud modules (PIN by callback and PIN by SMS) for the below mentioned payment methods

- Direct Debit SEPA
- Invoice

This service is only available for the customers from DE, AT and CH.

Kindly, configure the **Minimum value of goods for the fraud module (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)** to control the respective fraud modules to be displayed in the web shop.

### PIN by callback

In a first step of the PIN by callback system, the customer has to enter his telephone number and soon after the customer enters his/her telephone number, the customer will be called back on his/her given telephone number. Now, the 4 digit pin will be provided to the customer via phone call. The customer must enter this 4 digit pin on the merchant's page, to authorize himself/herself to process the order. Through this method, the customer can be identified in real time and the fraud intentions can be blocked at the initial stage. As this check is quite effective and cheap, it is recommended by Novalnet for all merchants in the e-commerce field.

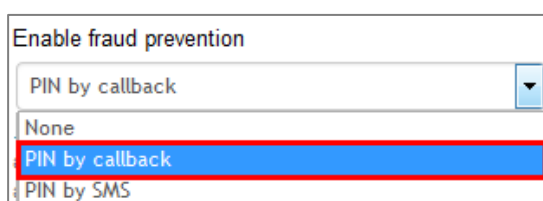
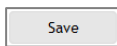


Fig: 4.6 (a)

Select the fraud prevention (**PIN by callback**) in the **Enable fraud prevention** option and click on  button to update/save the changes made

Once it has been enabled, it will display the **Telephone number** field along with the Direct Debit SEPA form in the web shop as shown below.

Direct Debit SEPA (0,00 €) **SEPA**

Account holder: \*

Bank country: \* Germany

IBAN or Account number: \*

BIC or Bank code: \*

☐ hereby grant the SEPA direct debit mandate and confirm that the given IBAN and BIC are correct

Telephone number: \*

Your account will be debited upon the order submission

**Fig: 4.6 (b)**

Fill the mandatory fields and proceed further. Later, the PIN will be received via phone call to the given number and enter the valid PIN in **Transaction PIN** field to success the order.

Direct Debit SEPA (0,00 €) **SEPA**

Transaction PIN: \*

☐ Forgot your PIN?

Your account will be debited upon the order submission

**Fig: 4.6 (c)**

If you forgot the given PIN, select the **Forgot your PIN?** Check box to get the new PIN to success the same.

### PIN by SMS

In this process, the customer receives a PIN via SMS on his/her mobile phone which he/she has to enter on the merchant's web page, before the order is authorized.

Select the fraud prevention (**PIN by SMS**) in the **Enable fraud prevention** option and click on

Save

Enable fraud prevention

PIN by SMS

None

PIN by callback

PIN by SMS

**Fig: 4.6 (d)**

Once it has been enabled, it will display the **Mobile number** field along with Direct Debit SEPA form in the web shop as shown below.

**Fig: 4.6 (e)**

Fill the mandatory fields and proceed further. Later, the PIN will be received via SMS to the given number and enter the valid PIN in **Transaction PIN** field to success the order.

**Fig: 4.6 (f)**

If you forgot the given PIN, select the **Forgot your PIN?** check box to get the new PIN to success the same.

Field	Description
Minimum value of goods for the fraud module (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)	In case an order amount exceeds mentioned limit, the fraud modules will be displayed and processed accordingly for the particular payment.
Telephone number	Enter the valid telephone number to get the PIN by callback to success an order.
Mobile number	Enter the valid mobile number to get the PIN via SMS to success an order.
Transaction PIN	Enter the valid PIN to success the order

**Table 4.6**

**Note:** To process fraud prevention features successfully, kindly configure your server IP address on Novalnet administration portal.

## 4.7 Merchant script configuration in administration portal

The merchant script is necessary for keeping your database/system actual and it synchronizes with the Novalnet transaction status. Your system will be notified through Novalnet system (asynchronous) about each transaction and its status.

Follow the below mentioned step to update the merchant script URL in Novalnet administration portal for merchant script execution.

After logging into Novalnet administration portal (<https://admin.novalnet.de>), please navigate to PROJECTS menu, and then select an appropriate project by clicking on it.



Fig: 4.7 (a)

Select the **Project Overview**, as shown below



Fig: 4.7 (b)

To configure the same, click on the **Edit Project Overview** link in the right top corner. Then, you can configure **Vendor script URL** as shown below.

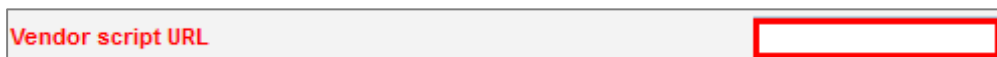


Fig: 4.7 (c)

## 4.8 PayPal API configuration in administration portal

Follow the below mentioned steps to update the PayPal API configuration in Novalnet administration portal for processing wallet payment.

After logging into Novalnet administration portal (<https://admin.novalnet.de>), please navigate to PROJECTS menu, and then select an appropriate project by clicking on it.



Fig: 4.8 (a)



Select the Payment Methods, as shown below



**Fig: 4.8 (b)**

Click on Configure link near PayPal as shown below



**Fig: 4.8 (c)**

Configure the API details in the appropriate fields and click Update button as shown bellow

The screenshot shows a form titled 'Paypal Configuration' with a red 'X' icon in the top right corner. The form contains three input fields: 'API User Name\*', 'API Password\*', and 'API Signature\*'. Below these fields is an orange button labeled 'Update', which is highlighted with a red rectangular border.

**Fig: 4.8 (d)**

## 4.9 Configuring merchant script e-mail settings

To receive email from merchant script, you need to configure the below mentioned parameters in the **Merchant script management** under **Novalnet Global Configuration**.

**Merchant script management**

☐ Deactivate IP address control (for test purpose only)  
 ▲ This option will allow performing a manual execution. Please disable this option before setting your shop to LIVE mode, to avoid unauthorized calls from external parties (excl. Novalnet).

☐ Enable E-mail notification for callback

E-mail address (To)

▲ E-mail address of the recipient

E-mail address (Bcc)

▲ E-mail address of the recipient for BCC

Notification URL

▲ The notification URL is used to keep your database/system actual and synchronizes with the Novalnet transaction status

Fig: 4.9 (a)

Field	Description
Enable E-mail notification for callback	If <b>Enabled</b> , notification mails will be sent to given email address through Novalnet callback script.
Deactivate IP address control (for test purpose only)	This option will allow performing a manual execution. Please disable this option before setting your shop to LIVE mode, to avoid unauthorized calls from external parties (excl. Novalnet). <b>Note:</b> For <b>LIVE</b> , set the test mode as <b>Disabled</b> .
Notification URL	Notification URL is used to keep your database/system actual and synchronizes with the Novalnet transaction status.

Table 4.9

## 5. Orders

To view the orders, kindly go to **ADMINISTER ORDERS** → **Orders**.

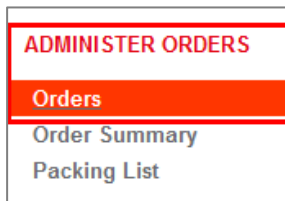


Fig: 5

### 5.1 Order overview

Now, click on the required **ORDER NO.** from the list to view the respective order details.

ORDER TIME	PAYMENT DATE	ORDER NO.	FIRST NAME	LAST NAME	
2017-01-16 07:15:38	2017-01-16 07:15:36	253	Novalnet	Test user	 
2017-01-16 06:41:53	2017-01-16 06:47:22	252	Novalnet	Test user	 
2017-01-16 06:07:47	0000-00-00 00:00:00	251	Novalnet	Test user	 
2017-01-16 06:04:10	0000-00-00 00:00:00	250	Novalnet	Test user	 

Fig: 5.1

### 5.2 Order details

Now, you can review the transaction details of the respective order.

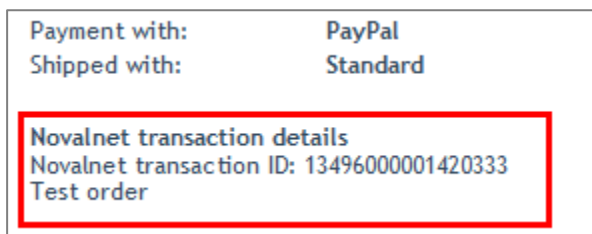


Fig: 5.2

## 6. Extension process

Go to **ADMINISTER ORDERS** → **Orders** to view the list of orders.

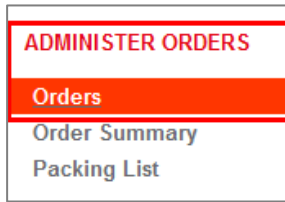


Fig: 6

### 6.1 Confirm/Cancel transaction process

Select the particular order and choose on the **Confirm/Cancel** option under **Manage transaction process**.

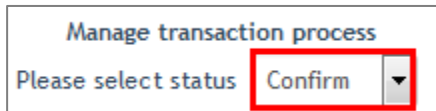


Fig: 6.1 (a) – Confirm process

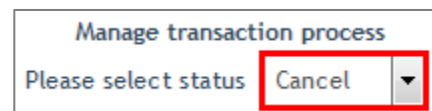


Fig: 6.1 (b) – Cancel process

Click on the **Update** button to confirm/cancel the transaction.

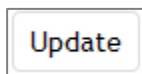


Fig: 6.1 (c)

Once the transaction has been confirmed/canceled, refer the transaction details in order history comments of the respective order.



Fig: 6.1 (d) – Comments after the confirmation process

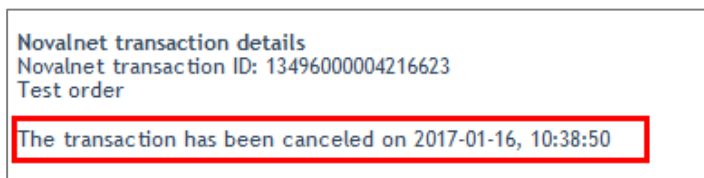
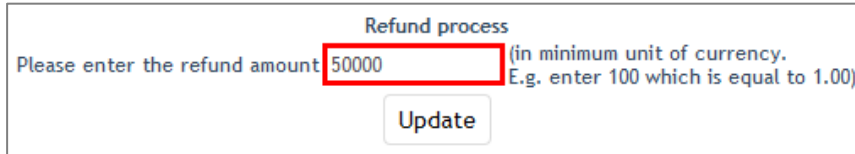


Fig: 6.1 (e) – Comments after the cancellation process

## 6.2 Refund transaction process

Select the particular order, enter the valid amount (in minimum unit of currency. E.g. enter 100 which is equal to 1.00) in the appropriate box and then click on the **Update** button to refund the specified amount.



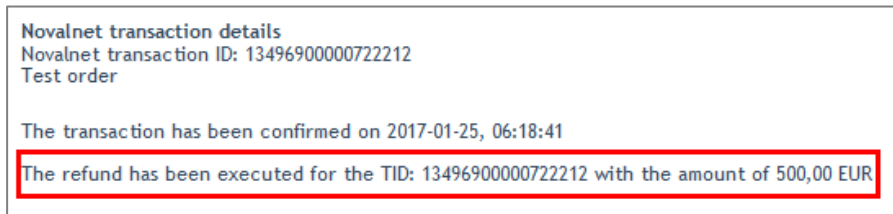
**Refund process**

Please enter the refund amount  (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)

**Update**

Fig: 6.2 (a)

Once the refund process has been completed successfully, refer the transaction details in order history comments of the respective order.



**Novalnet transaction details**  
Novalnet transaction ID: 13496900000722212  
Test order


The transaction has been confirmed on 2017-01-25, 06:18:41

The refund has been executed for the TID: 13496900000722212 with the amount of 500,00 EUR

Fig: 6.2 (b)

### Refund reference

For the existing transactions, **Refund reference** field will be available and specify the respective reason or information for the refund.

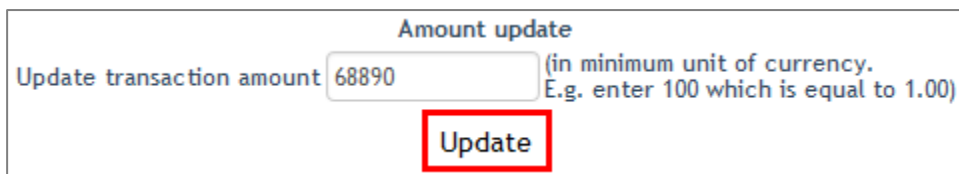


Refund reference :

Fig: 6.2 (c)

## 6.3 Amount update process

Select the particular order and enter the valid amount (in minimum unit of currency. E.g. enter 100 which is equal to 1.00) which needs to be updated, for the respective transaction and click on **Update** button.



**Amount update**

Update transaction amount  (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)

**Update**

Fig: 6.3 (a)

Once the amount update process has been completed successfully, the transaction details will be displayed in the order comments as mentioned below.

**Novalnet transaction details**  
Novalnet transaction ID: 13496900000714734  
Test order

The transaction amount 688,90 EUR has been updated successfully on 2017-01-25, 06:24:39

Fig: 6.3 (b)

## 6.4 Due date change process

Select the particular order. Change the due date in Transaction due date field under **Change the amount / due date** option and click on **Update** button.

**Change the amount / due date**

Update transaction amount  (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)

Transaction due date  (YYYY-MM-DD)

**Update**

Fig: 6.4 (a)

Once the due date update process has been changed successfully, the transaction details will be displayed in the order comments as mentioned below.

**Novalnet transaction details**  
Novalnet transaction ID: 13598300001814593  
Test order

Please transfer the amount to the below mentioned account details of our payment processor Novalnet

**Due date: 16.09.2017**

Account holder: NOVALNET AG  
IBAN: DE75740201000208604985  
BIC: RZODE77XXX  
Bank: Raiffeisenlandesbank OÖ Zndl Süddeutschland Passau  
Amount: 28,85 EUR

Please use any one of the following references as the payment reference, as only through this way your payment is matched and assigned to the order:  
Payment Reference 1: BNR-14-7  
Payment Reference 2: TID 13598300001814593  
Payment Reference 3: Order number 7

The transaction has been updated with amount 28,85 EUR and due date with 29.09.2017

**Novalnet transaction details**  
Novalnet transaction ID: 13598300001814593  
Test order

Please transfer the amount to the below mentioned account details of our payment processor Novalnet

**Due date: 29.09.2017**

Account holder: NOVALNET AG  
IBAN: DE75740201000208604985  
BIC: RZODE77XXX  
Bank: Raiffeisenlandesbank OÖ Zndl Süddeutschland Passau  
Amount: 28,85 EUR

Fig: 6.4 (b)

## 6.5 Slip expiry date change process

Select the particular order. Change the slip expiry date in Slip expiry date field under **Change the amount/slip expiry date** option and click on **Update** button.

Change the amount/slip expiry date	
Update transaction amount	2800 (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)
Slip expiry date	2017-09-30 (YYYY-MM-DD)
<b>Update</b>	

Fig: 6.5 (a)

Once the slip expiry date update process has been changed successfully, the transaction details will be displayed in the order comments as mentioned below.

<b>Novalnet transaction details</b>	
Novalnet transaction ID: 13598300001711617	
Test order	
Slip expiry date: 29.09.2017	
<b>Store(s) near you</b>	
REWE Max-von-Eyth-Str. 1 Ismaning 85737 Germany	
dm-drogerie markt Osterfeldstraße 41a Ismaning 85737 Germany	
Penny Ahornstraße 5 Unterföhring 85774	
The transaction has been updated with amount 28,00 EUR and due date with 30.09.2017	
<b>Novalnet transaction details</b>	
Novalnet transaction ID: 13598300001711617	
Test order	
Slip expiry date: 30.09.2017	
<b>Store(s) near you</b>	
REWE Max-von-Eyth-Str. 1 Ismaning 85737 Germany	
dm-drogerie markt Osterfeldstraße 41a Ismaning 85737 Germany	
Penny Ahornstraße 5 Unterföhring 85774 Germany	

Fig: 6.5 (b)

## 7. Payment reference

Payment Reference is only for Invoice and Prepayment payment methods. To configure the payment references, kindly go to **NOVALNET → Novalnet payment configuration** and select the required payment method.

Select at least one of the payment references, so that your payment is matched and assigned to the respective order.

☒ Payment Reference 1 (Novalnet Invoice Reference)  
☒ Payment Reference 2 (TID)  
☒ Payment Reference 3 (Order No)

Fig: 7 (a)

Selected **Payment Reference** will be displayed in order history of the particular order.

**Novalnet transaction details**  
 Novalnet transaction ID: 13496000005701320  
 Test order

**Please transfer the amount to the below mentioned account details of our payment processor Novalnet**  
 Due date: 30.01.2017  
 Account holder: NOVALNET AG  
 IBAN: DE22740201500000000042  
 BIC: RZOODE77XXX  
 BANK: Raiffeisenlandesbank OÖ Zndl Süddeutschland Passau  
 Amount: 168,90 EUR

**Please use any one of the following references as the payment reference, as only through this way your payment is matched and assigned to the order:**

Payment Reference 1: BNR-14-258  
 Payment Reference 2: TID 13496000005701320  
 Payment Reference 3: Order number 258

Fig: 7 (b)



## 8. Shopping type

We have integrated the shopping type (**One click shopping** and **Zero amount Booking**) for the below mentioned payment methods.

- Credit Card
- Direct Debit SEPA
- PayPal

### 8.1 One click shopping

One click shopping is the process which allows the registered customers to make online payment with the use of the payment account details or card details entered by the user in the previous order.

Select **One click shopping** option from **Shopping type**.

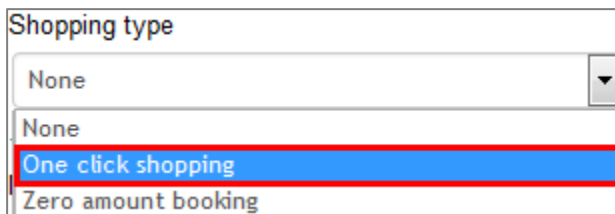


Fig: 8.1 (a)

Click on  button to update/save the changes made.

#### Credit Card / Direct Debit SEPA / PayPal

After a successful order when the customer proceeds with another order, the payment account details will be displayed with the masked pattern in the web shop as shown below.

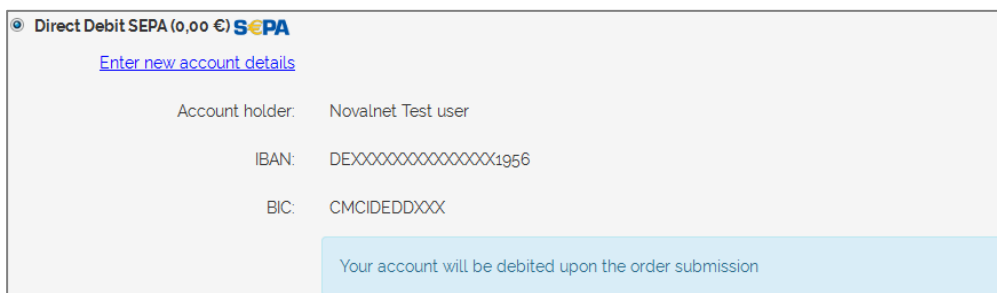
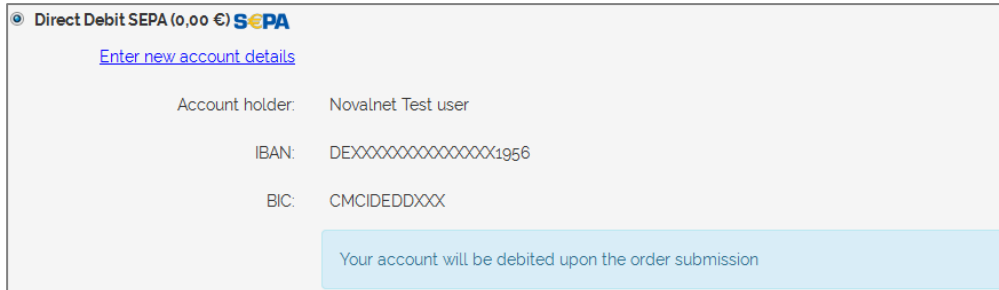


Fig: 8.1 (b)

## Enter new account details

When the customer wants to change the account details, they can proceed by clicking on the **Enter new account details** link in the web shop as shown below.



Direct Debit SEPA (0,00 €) **SEPA**

[Enter new account details](#)

Account holder: Novalnet Test user

IBAN: DEXXXXXXXXXXXXXX1956

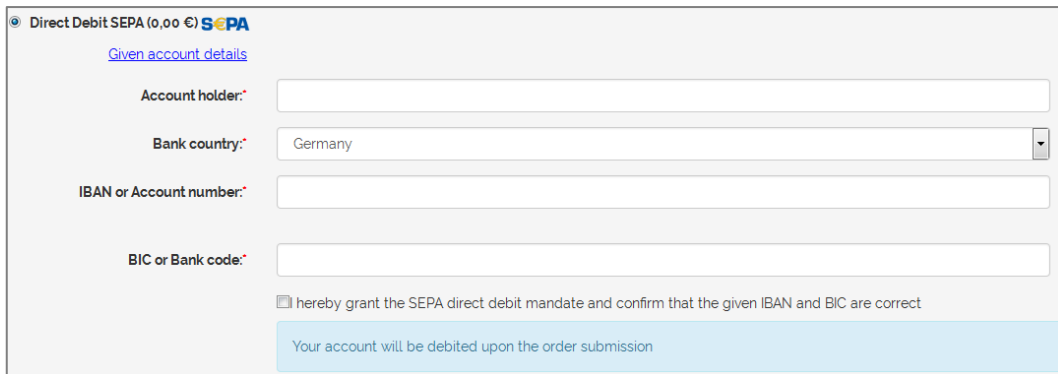
BIC: CMCIDEDDXXX

Your account will be debited upon the order submission

**Fig: 8.1 (c)**

## Given account details

If the customer wants to use the same account details which was masked, they can proceed with the masked account details by clicking on the **Given account details** link in the web shop as shown below.



Direct Debit SEPA (0,00 €) **SEPA**

[Given account details](#)

Account holder\*:

Bank country\*:

IBAN or Account number\*:

BIC or Bank code\*:

☐ hereby grant the SEPA direct debit mandate and confirm that the given IBAN and BIC are correct

Your account will be debited upon the order submission

**Fig: 8.1 (d)**

## 8.2 Zero amount booking

In this process, the payment will be processed with amount value as zero. Once the order has been placed successfully, the merchant has to book the order amount to complete the transaction.

Select **Zero amount booking** option from **Shopping type**.

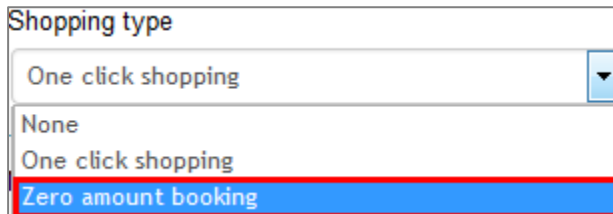


Fig: 8.2 (a)

Click on  button to update/save the changes made.

After placing the order with zero amount booking, select the particular order and enter the valid amount (in minimum unit of currency. E.g. enter 100 which is equal to 1.00) in the appropriate box in the **Transaction booking amount** field and click on the **Update** button to book the specified amount.

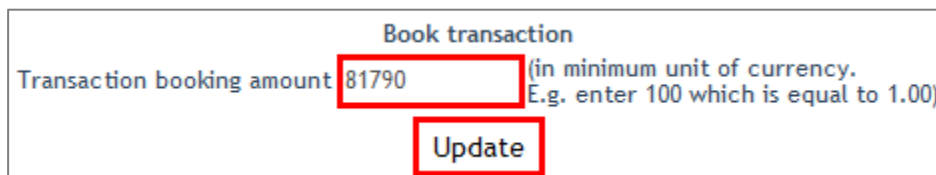


Fig: 8.2 (b)

Once the booking process is completed successfully, refer the booked details in the transaction details in order history comments of the respective order.

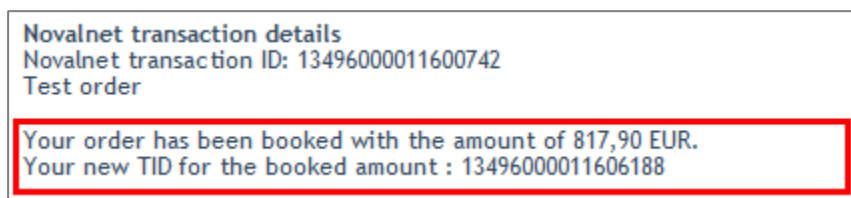


Fig: 8.3 (c)

**Important note:** Zero amount booking will not be processed, if subscription is activated.

## 9. Subscription process

Novalnet is not only a payment service provider, but also offers you in addition an easy option to process recurring payments by our subscription management service free of charge. In this case, an original direct debit or Credit Card transaction is followed by the fully automated execution of further payments.

Subscriptions have their standard area of application in the sale of digital goods. Here they serve the purpose of obtaining access to a particular service for a defined recurring period (for example monthly). You have maximal flexibility in your settings. You can offer unlimited as well as time-limited subscriptions. Every time period from one day on is possible as a debit frequency cycle (e.g. three days, one month, beginning of each month etc.).

Novalnet takes over the activation of the subscription on your behalf as well as the continuous monitoring of incoming payments via the comprehensive interface of Novalnet. You can also activate the Controls on your own.

Subscriptions with a limited duration will be automatically terminated by us at the end of the subscription period. In order to cancel unlimited subscriptions, we provide your end-users with an additional user-friendly customer portal (<https://card.novalnet.de>). The Novalnet interface also allows you to manage customer subscriptions independently. Our e-payment services enable shop operators to automatize subscription payments and other processes to a larger extend than you can expect from most payment Service providers. Request an individual offer for you.

There are two types of subscriptions supported by Novalnet

- Pre-defined subscription
- Dynamic subscription

If you proceed with the Dynamic subscription, kindly go to **NOVALNET → Novalnet payment configuration** and configure the respective fields of **Dynamic subscription management** under **Novalnet Global Configuration**.

**Dynamic subscription management**

**Tariff period**

▲ The period of the first subscription cycle (E.g: 1d/1m/1y)

**Amount for the subsequent subscription cycle (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)**

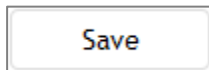
▲ The amount for the subsequent subscription cycle

**Period for subsequent subscription cycle**

▲ The period of the subsequent subscription cycle (E.g: 1d/1m/1y)

Fig: 9 (a)

Click on the **Save** button to update/save the changes made.



**Fig: 9 (b)**

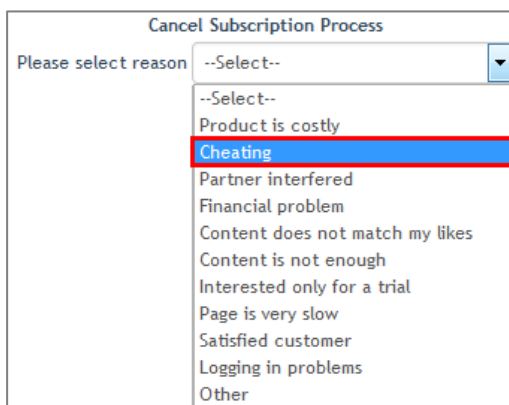
Field	Description
Tariff period	Tariff period for dynamic subscription type. Period value has combined with d, m, y. If 1d means given subscription transaction process per day. If 1m means given subscription transaction process per month. If 1y means given subscription transaction process per year. Example: 2d
Amount for the subsequent subscription cycle (in minimum unit of currency. E.g. enter 100 which is equal to 1.00)	The amount for the subsequent subscription cycle.
Period for subsequent subscription cycle	The period of the subsequent subscription cycle. Period value has combined with d, m, y. If 1d means given subscription transaction process per day. If 1m means given subscription transaction process per month. If 1y means given subscription transaction process per year. Example: 2d

**Table 9**

## 9.1 Subscription cancellation process

### Subscription cancellation in shop backend

Select the particular order, then choose Cancel Subscription of the termination reason from the drop down list.



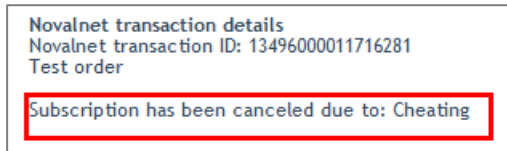
**Fig: 9.1 (a)**

Click on the **Update** button to cancel the subscription.



**Fig: 9.1 (b)**

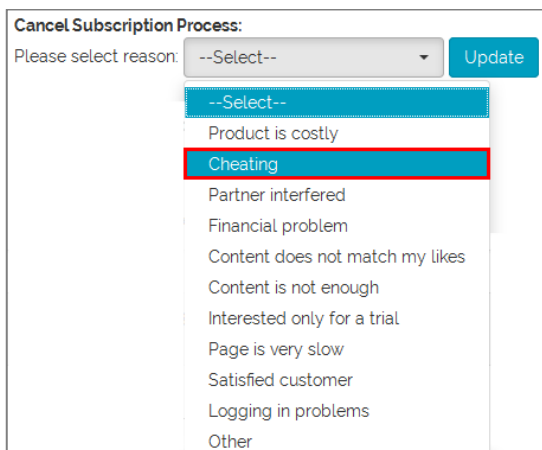
Once the subscription got canceled, the transaction details will be displayed in order history of the particular order.



**Fig: 9.1 (c)**

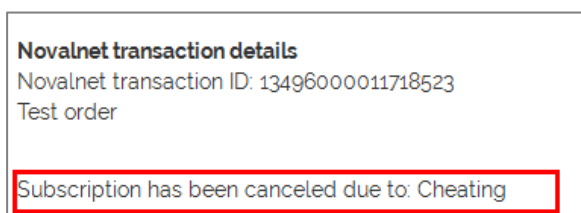
### Subscription cancellation in the web shop

To cancel the subscription in the web shop, open the particular order and select the reason as mentioned and click on the **Update** button to cancel the subscription.



**Fig: 9.1 (d)**

Once the subscription got canceled, the transaction details will be displayed in order history of the particular order.



**Fig: 9.1 (e)**

**Note:** To process all the subscription features successfully, kindly configure your server IP address on Novalnet administration portal.

## 10. Affiliate system management

The Novalnet platform for affiliate programs allows you to organize your affiliate management in an easy and uncomplicated manner. You save time and effort, as the complete processes - from revenue sharing up to the payout to your affiliates - are managed by the Novalnet. Additionally, you have the possibility to manage your members via the Novalnet system and to automatize your subscription management.

The Novalnet partner program platform puts an additional interface for the management of your affiliates at your disposal in direct combination with our reliable and safe payment solution. In the course of your cooperation with Novalnet as payment service provider this interface, its implementation and administration are provided to you free of charge. The calculation and payout of commissions is of course carried out reliably and at the highest security level by Novalnet.

Using this service you save considerable time and administrative effort paying out referral commissions and turnover commissions. The automation of the affiliate program via the Novalnet solution renders manual booking and control of affiliate payouts obsolete.

Furthermore as a merchant, you always get an overview in the Novalnet administration portal about the amount of turnover generated by each of your affiliate partners and the level of their turnover commission. At this point, single or combined settlements can be set up. You can create any combination of commission types for your sales partners.

**Possible payout options through the Novalnet systems are**

- **Pay per Lifetime:** Repetitive commission payouts to affiliate (subscriptions etc.)
- **Pay per Lead:** One-time payment with a fixed amount

You can set up new affiliates in the back end by yourself, evaluate the turnover an affiliate generates and the amount of commission the affiliate received. So you and your affiliate benefit from online payment by Novalnet and a fast payout. With Novalnet as a payment service provider, you can benefit from many useful additional services such as the affiliate program along with e-payment.

## 11. Uninstallation procedure

To uninstall the Novalnet module, go to **EXTENSIONS** → **Modules**.

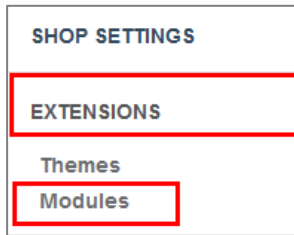


Fig: 11 (a)

Choose **Novalnet** from the list of plugins and click on the **Deactivate** button.

ACTIVE	NAME
<input checked="" type="checkbox"/>	Invoice PDF
<input type="checkbox"/>	Novalnet
<input type="checkbox"/>	OXID eShop theme switch
<input type="checkbox"/>	Paymorrow Payments
<input type="checkbox"/>	PAYONE FinanceGate

Fig: 11 (b)

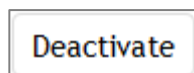


Fig: 11 (c)



**Important note:** Kindly, contact [sales@novalnet.de](mailto:sales@novalnet.de) / tel. +49 89 9230683-20 to get the test data to process the payment.

## 12. Imprint and contact

You can find all advice and news regarding Novalnet at:



[www.twitter.com/novalnet](https://www.twitter.com/novalnet)

Become a fan of Novalnet on Facebook:



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