Novalnet Installation Guide for SAP Commerce Cloud

Version	Date	Remarks
1.1.0	30.06.2022	**[New]** Implemented Online bank transfer payment **[Enhanced]** Updated payment logo for sofort payment

👉For previous version changelog, go to

https://github.com/Novalnet-AG/SAP-Commerce-Cloud-by-Novalnet/blob/main/changelog.txt

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1 QUICK SETUP

This guide describes the quick installation procedure of Novalnet payment module in your shop system and to start accepting payments worldwide. For this integration, a Novalnet merchant account is required, so please make sure that you have received your merchant account details from our sales team. If not, drop a mail to sales@novalnet.de

This Novalnet payment module version (1.1.0) supports the following versions

2205

To get started:

1. Log in to the Novalnet Admin Portal with your merchant account details (user credentials)
2. Log in to your SAP Commerce Cloud shop system.
3. Make sure that you have extracted the payment module package from the zip file you have received. If you have received only the installation guide without the payment module package (zip file), please send us a mail to technic@novalnet.de with your merchant ID.

1.1 Module Installation

To install the Novalnet Payment Module, please go to your shop system and follow the steps below.

Step 1: Upload the contents of the folder **NovalnetGateway** (which you have extracted from the payment module package/zip file) into your gitlab directory **${HYBRIS_BIN_DIR} → Custom**.

Step 2: To add the Novalnet payment module, in the **manifest.json** file in your root directory of SAP Commerce Cloud, include the below code within **storefrontAddons** section.

```
{
"addon":"novalnetcheckoutaddon",
"storefront":"yacceleratorstorefront",
"template":"yacceleratorstorefront"
}
```

Step 3: To add Novalnet extensions in the shop, open
<Root_Directory>/hybris/config/localextensions.xml file and paste the following code as shown below.

```
Search the below line
</extensions>
Add the following code above the searched line
<extension name='novalnetcore' />
<extension name='novalnetcheckoutaddon' />
<extension name='novalnetbackoffice' />
```

Step 4: Navigate to **Repository → Repository URL,** provide your SAP Commerce Cloud Git repository URL and click **Save** to confirm the changes.
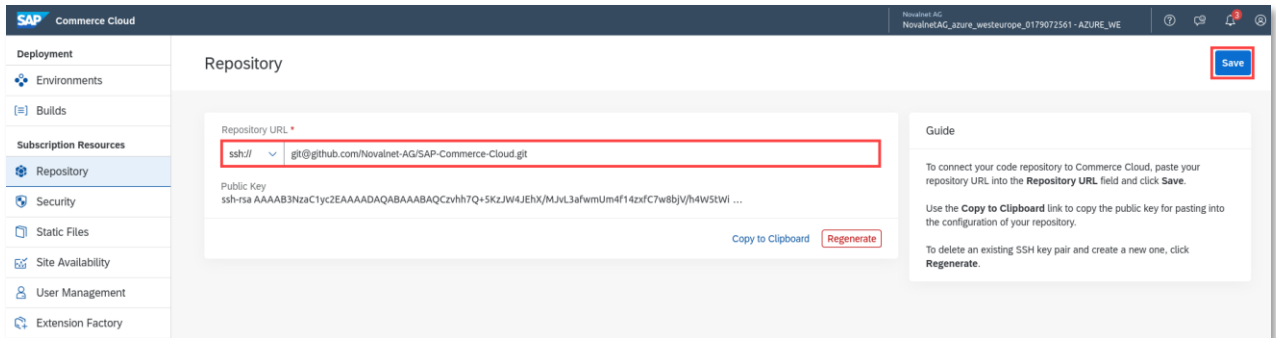

Figure 1

Step 5: Then generate a new public key by clicking **Regenerate** and click **Copy to Clipboard** to copy the public key and past it into the configuration of your repository.
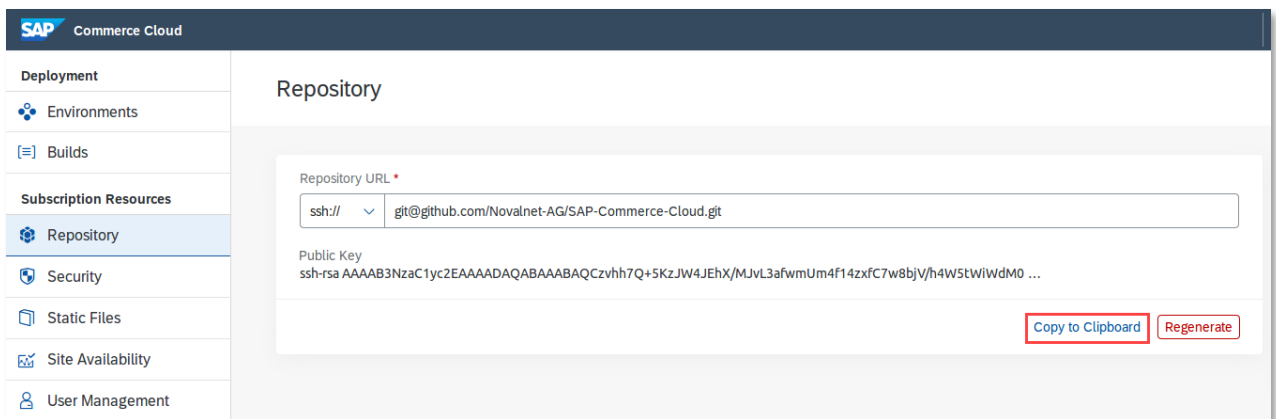

Figure 2

Step 6: Now, navigate to **Builds → Create** in the SAP Cloud portal as shown below.
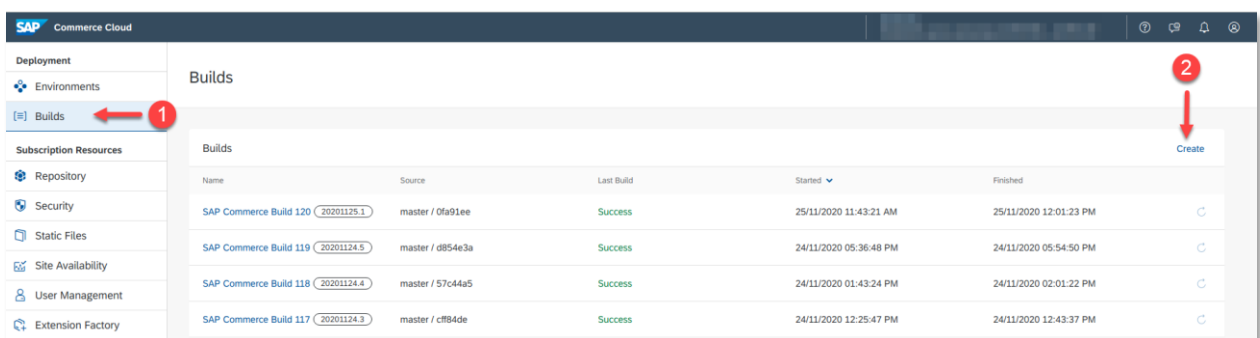

Figure 3

Step 7: In the **Create Build** page, provide the **Name** and **Git Branch or Tag** details in the fields and click **Save** to create the build.
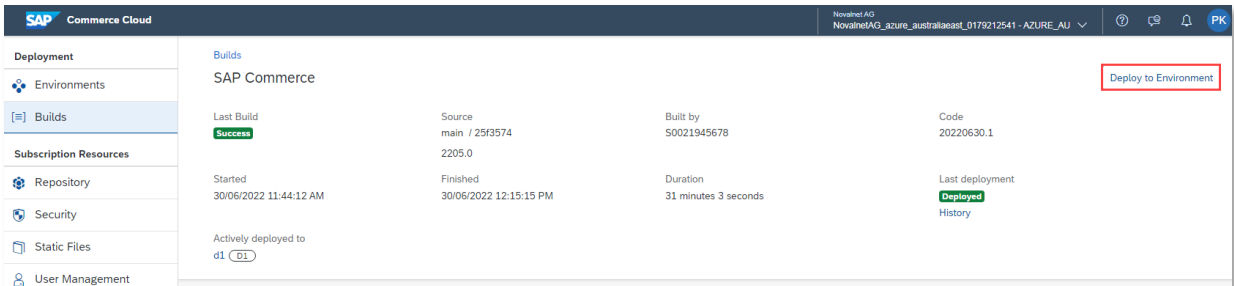

Figure 4

Step 8: After the build is created, click **Deploy to Environment** under **Builds** as shown below.
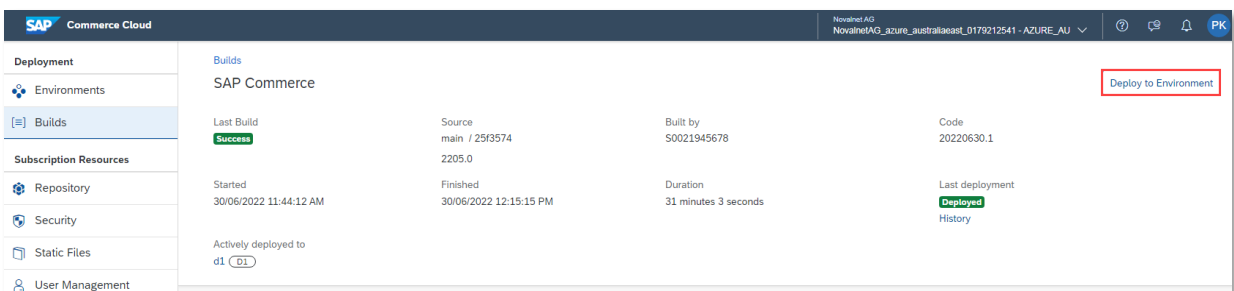

Figure 5

Step 9: In the **Deploy Build** page, choose **Initialize Database** under Data migration mode. Finally, click **Deploy** to complete the installation.
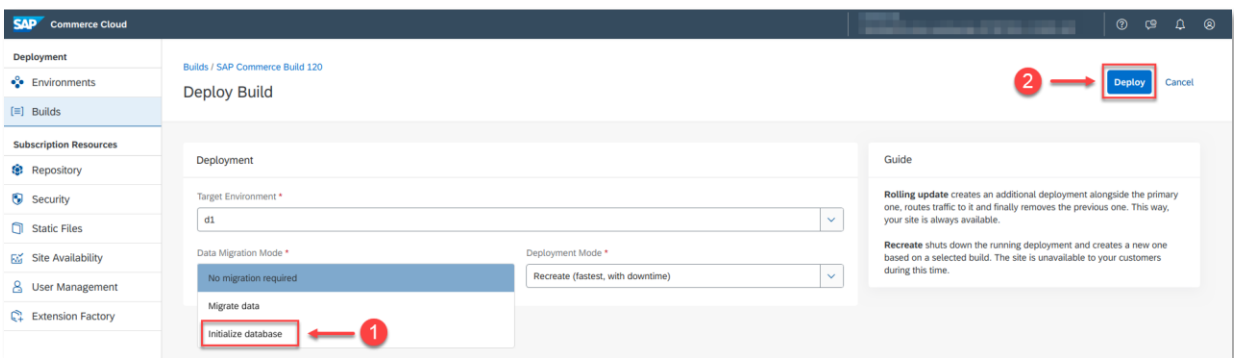

Figure 6

NOVALNET AG
Payment Institution
Feringastr.4
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Tel.: +49 89 9230683-19
Fax: +49 89 9230683-11
E-Mail: technic@novalnet.de
Tax id: DE254954139

Board of Directors: Gabriel Dixon (CEO), Johnson Rajdaniel (CFO)
Chairman of the supervisory Board: Frank Haussmann
Commercial register number: HRB 167381

1.2 Global Configuration in the SAP Commerce Cloud shop system

The main configuration occurs in your SAP commerce cloud shop system as well as in the Novalnet Admin Portal.

In your SAP commerce cloud shop system navigate to **Base Commerce → Base Store → <Store> → Novalnet**. Enter the following keys as shown below:

ⓘ **Product activation key** - a unique token for merchant authentication and payment processing.

ⓘ **Payment access key** - your secret key used to encrypt the data to avoid user manipulation and fraud.

ⓘ **Tariff ID** - a unique identifier created based on the tariff type at Novalnet.

ⓘ **Client key** - a unique key which is linked with your Novalnet merchant account to authenticate your client based requests. You need the client key to render the secure payment form and tokenize (temporarily) the sensitive information.
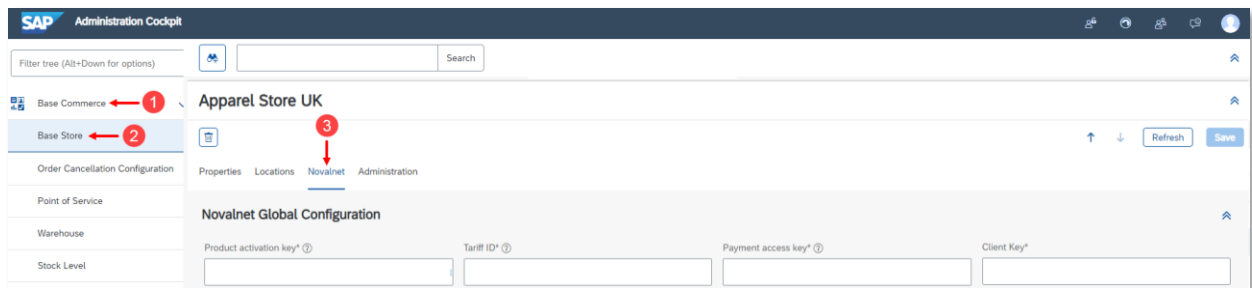

Figure 7

To get your **Product activation key**, **Tariff ID**, **Payment access key** and **Client key**, go to the Novalnet Admin Portal, navigate to **PROJECT** menu and click view 🔍 icon on the right of your project to view the project details.
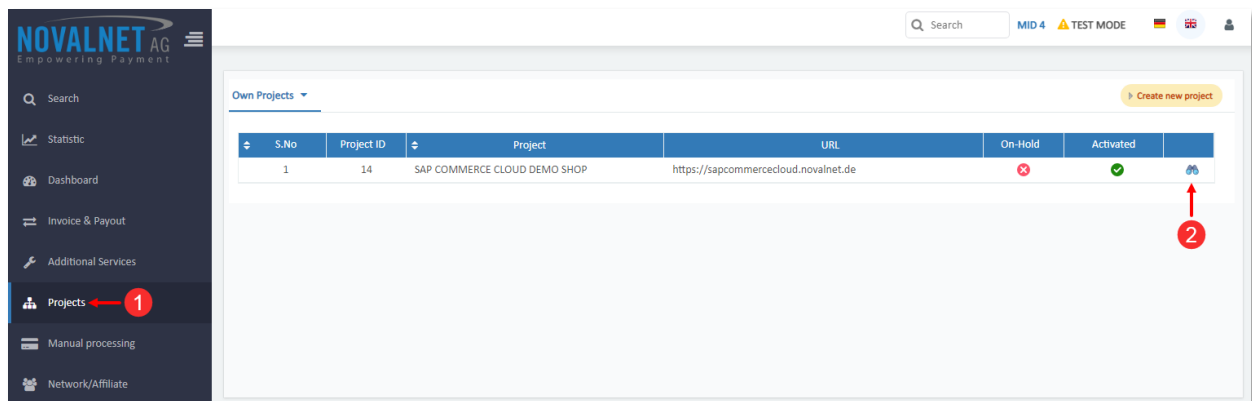

Figure 8

Click **API credentials** tab, copy the **API Signature (Product activation key)**, **Tariff ID**, **Payment access key** and **Client key** as shown below
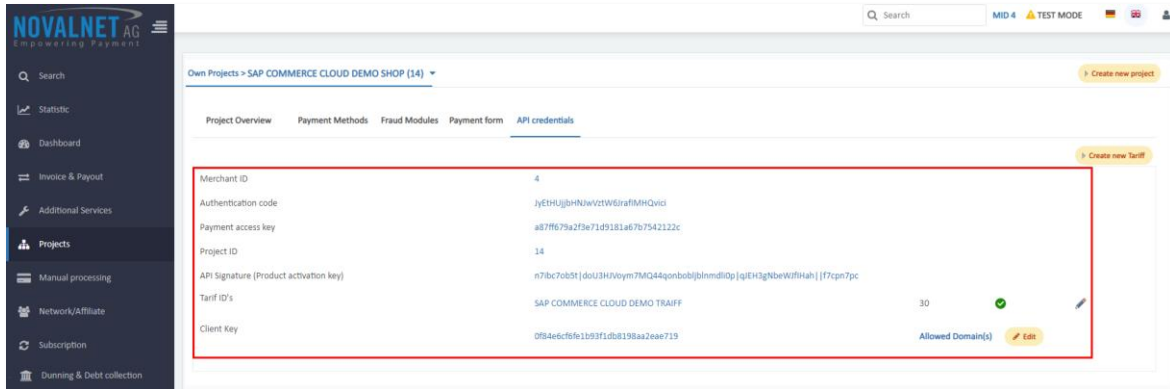

Figure 9

Paste the **Product activation key, Tariff ID**, **Payment access key** and **Client key** in the respective fields in your shop system and click **SAVE** to update / save the changes made.
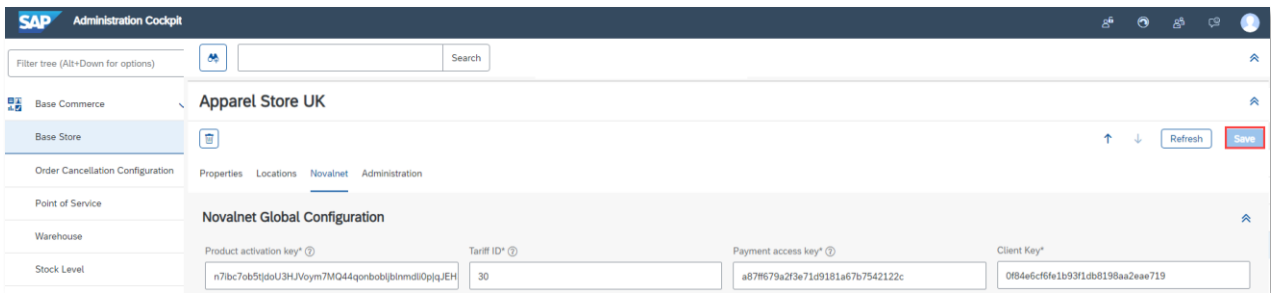

Figure 10

1.2.1 Notification/Webhook configuration in the SAP Commerce Cloud shop system

Novalnet Webhooks are used to communicate with your site. Webhook URL configuration is required to keep the merchant's database/system up to date and synchronized with Novalnet (example: up-to-date transaction status delivery).

For Webhook synchronization, navigate to **Environments** → <environment name> → **Services** → **Storefront** → choose **Properties** tab. Add the Novalnet webhook URL **csrf.allowed.url.patterns=(/novalnet/callback)$** in the properties field.

csrf.allowed.url.patterns=(/novalnet/callback)$

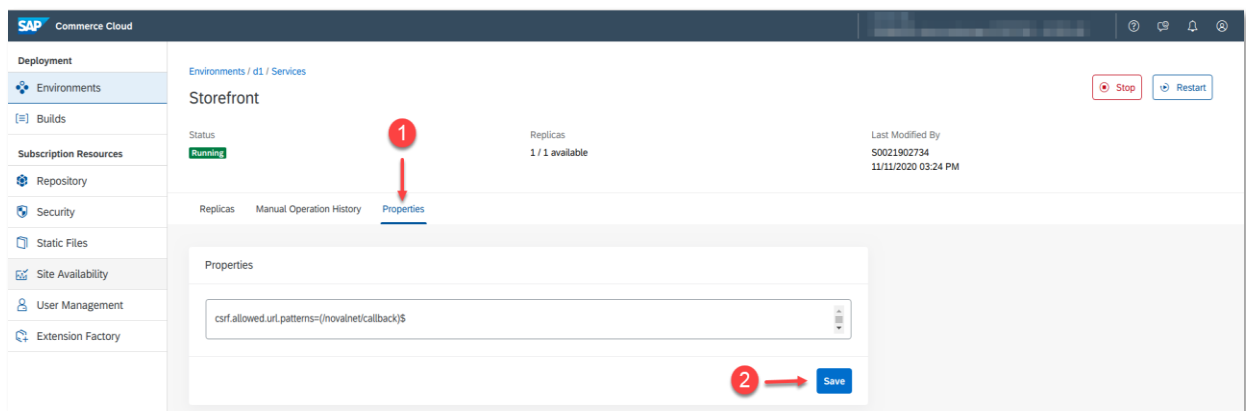Finally, click **Save** to update/save the properties.

Figure 11

1.2.2 Notification/Webhook configuration in the Novalnet Admin Portal

Configure the Webhook Endpoint URL into your Novalnet Admin Portal account by following the below steps,

1. Copy the Webhook Endpoint URL from the shop admin panel and in the Novalnet Admin Portal, navigate to **PROJECT** menu and choose your project as shown in Figure 8.

2. Go to **API credentials** and click **Edit** as shown below
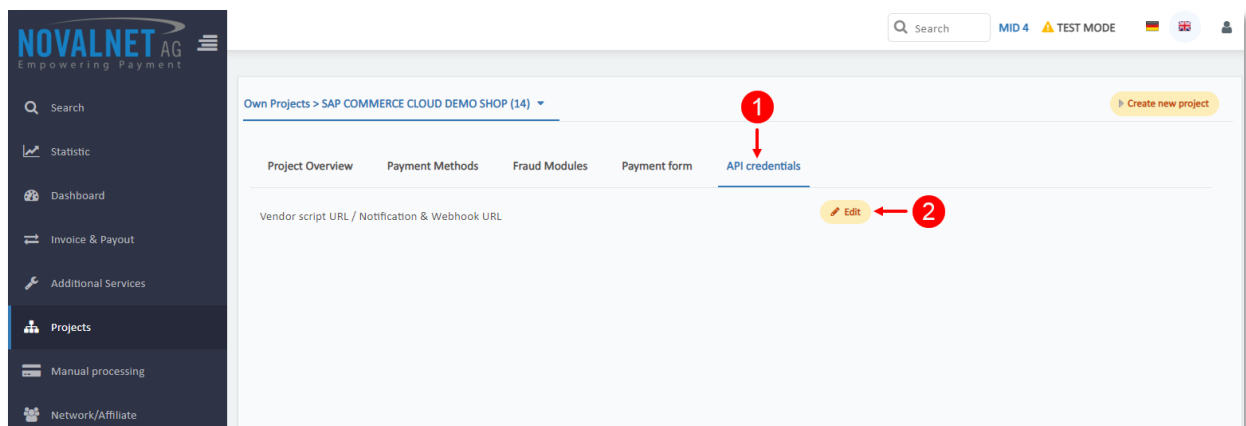

Figure 12

3. Then paste the copied Webhook Endpoint URL into the **Vendor script URL/ Notification & Webhook URL** and click **Update**.
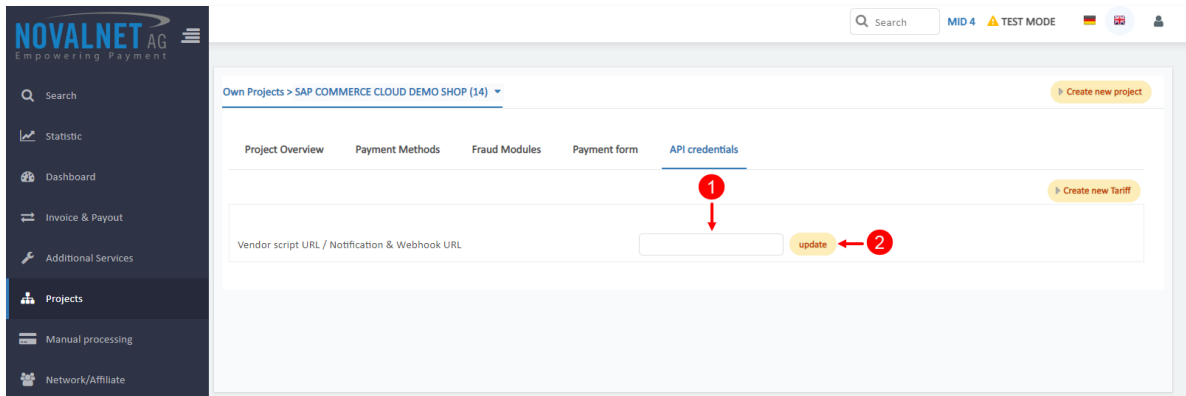

Figure 13

👉 The absolute path of the Webhook Endpoint URL must look like the below URL:

http://www.yourwebsite.com/novalnet/callback

1.2.3   Client key configuration in the Novalnet Admin Portal

👉 Novalnet allows client-side request(s) only from the **whitelisted domains under a particular project** in the Novalnet Admin Portal. The domain must be valid (secured https://) website. Please follow the below steps to whitelist the domains under the single client key in the Novalnet Admin Portal.

Step 1: Go to the Novalnet Admin Portal.

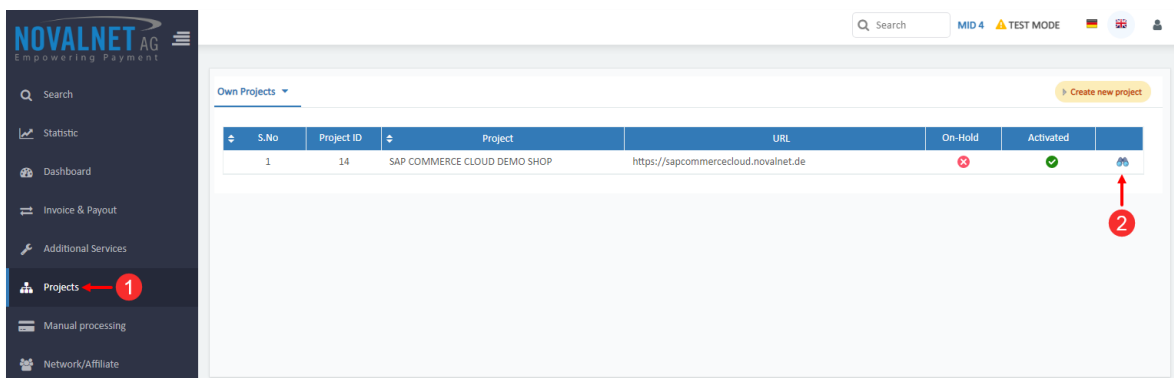**Step 2:** Navigate to the **Projects** menu and choose your project as shown below

Figure 14

Step 3: On the project details page click **API credentials** tab and click ✏ Edit beside **Allowed Domain(s)** as shown below
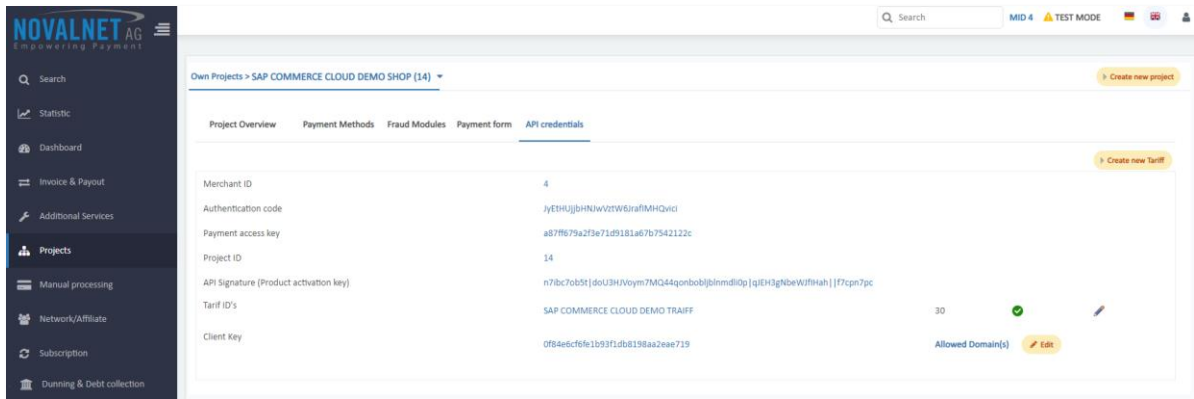

Figure 15

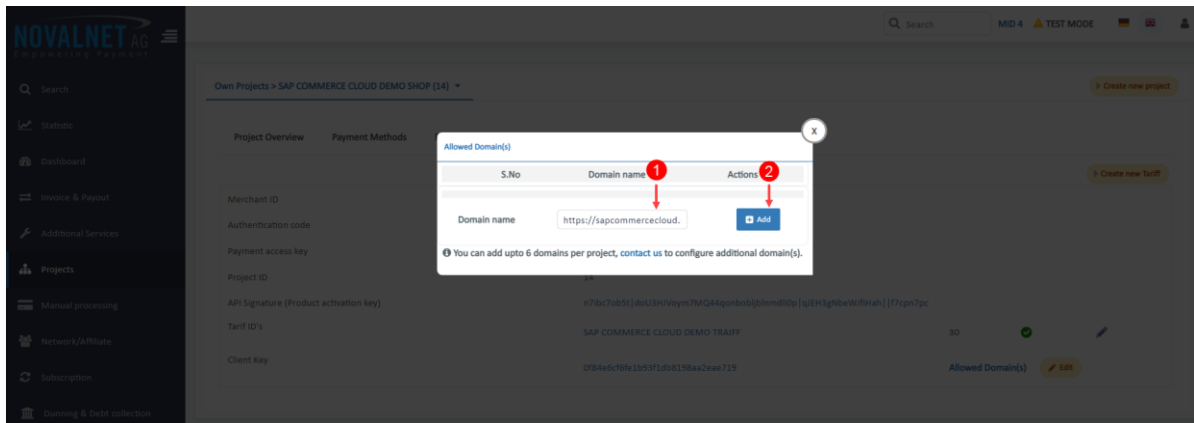**Step 4:** Paste your website URL in the **Domain name** field and click **+ Add** as shown below

Figure 16

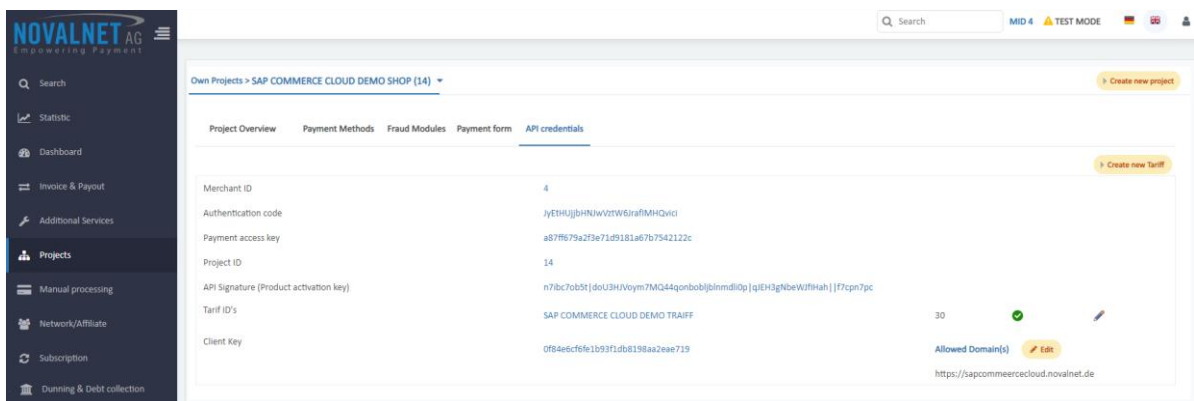**Step 5:** After adding the domain names, they are listed under **Allowed Domain(s)** as shown below

Figure 17

1.3 Payment Activation in the Novalnet Admin Portal

All the Novalnet supported payment methods can be viewed here: www.novalnet.com/payment if you have questions on the payment methods or have additional payment method requests, please contact sales@novalnet.de

To activate the preferred payment methods for your website, navigate to Novalnet Admin Portal → Projects → choose your project → **Payment Methods** → click **Edit Payment Methods** in the top right corner as shown below
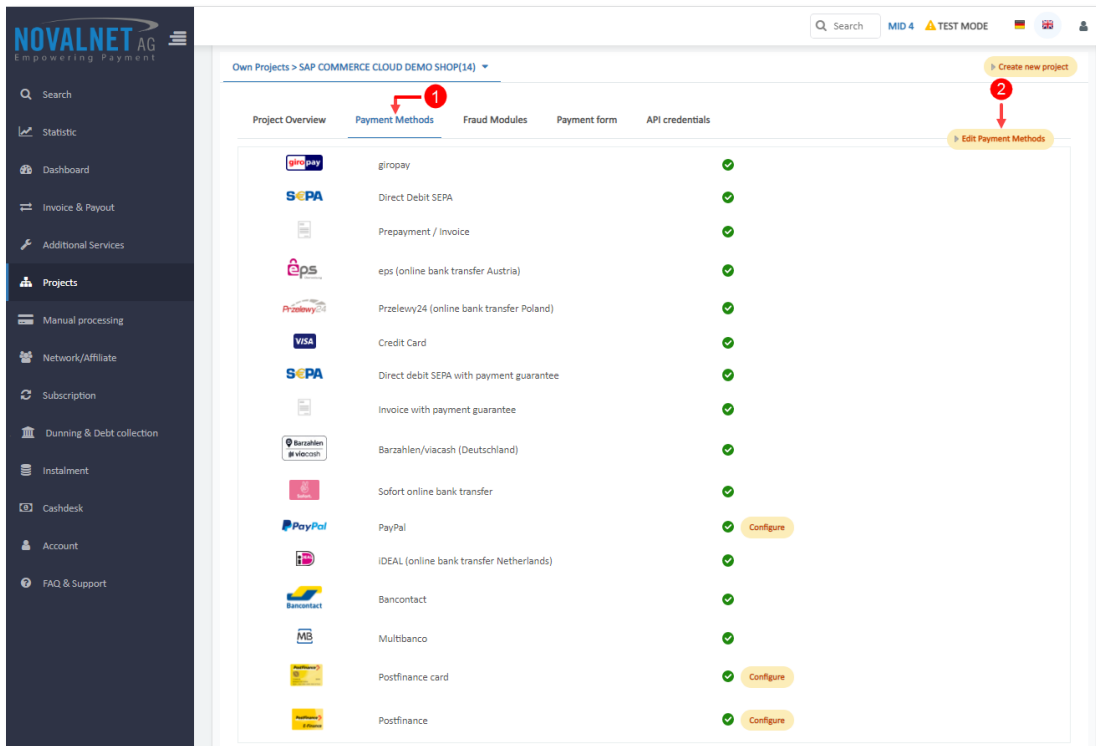

Figure 18

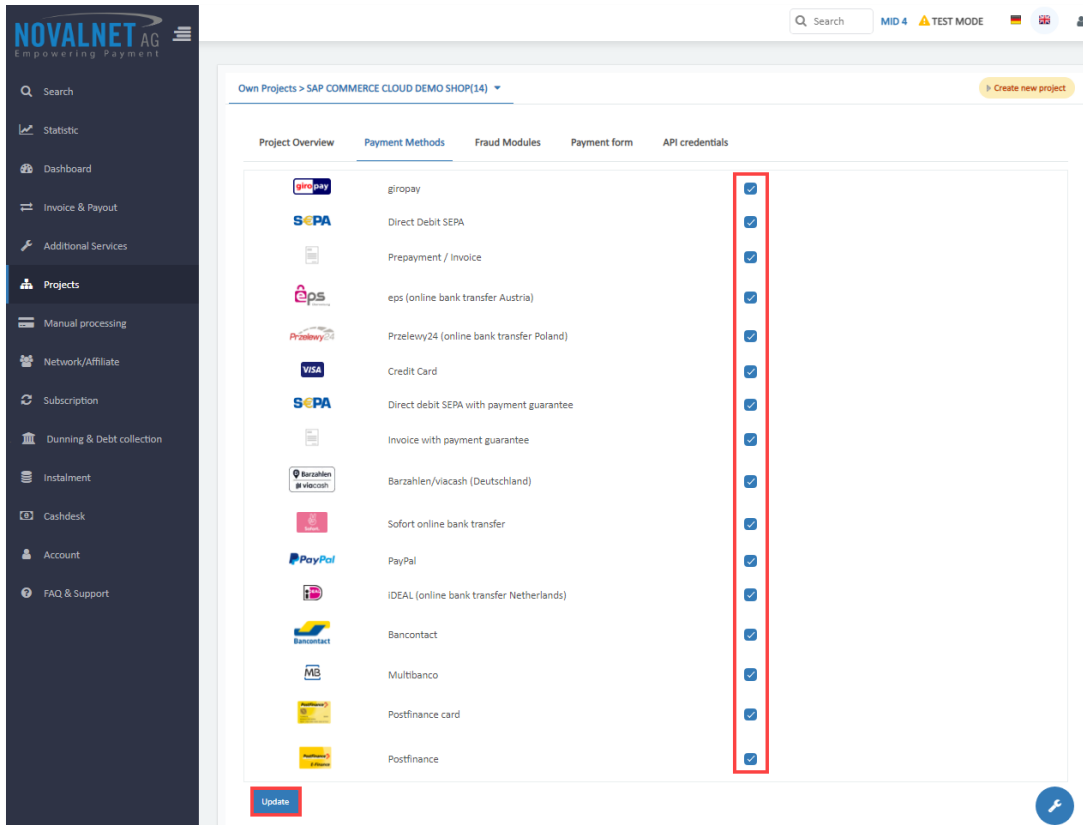Now select the preferred payment methods and click **Update** to activate them.

Figure 19

To use the **PayPal** payment method, configure the PayPal API details in Novalnet Admin Portal as shown below

Figure 20

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Tel.: +49 89 9230683-19
Fax: +49 89 9230683-11
E-Mail: technic@novalnet.de
Tax id: DE254954139

Board of Directors: Gabriel Dixon (CEO), Johnson Rajdaniel (CFO)
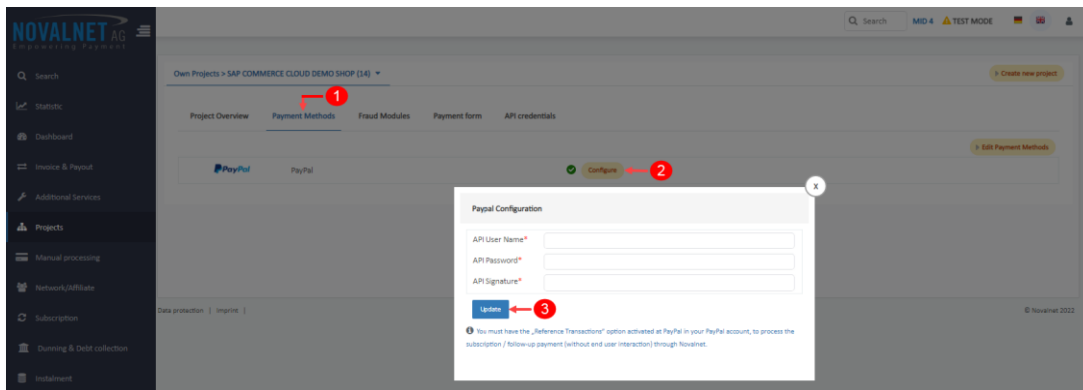Chairman of the supervisory Board: Frank Haussmann
Commercial register number: HRB 167381

To use the PostFinance card payments, configure Ep2-Merchant ID details in the Novalnet Admin Portal as shown below
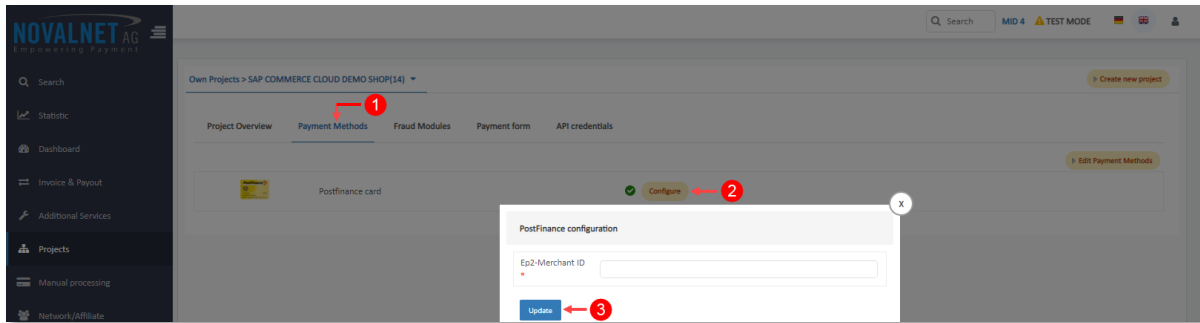

Figure 21

To use the PostFinance payments, configure Ep2-Merchant ID details in the Novalnet Admin Portal as shown below
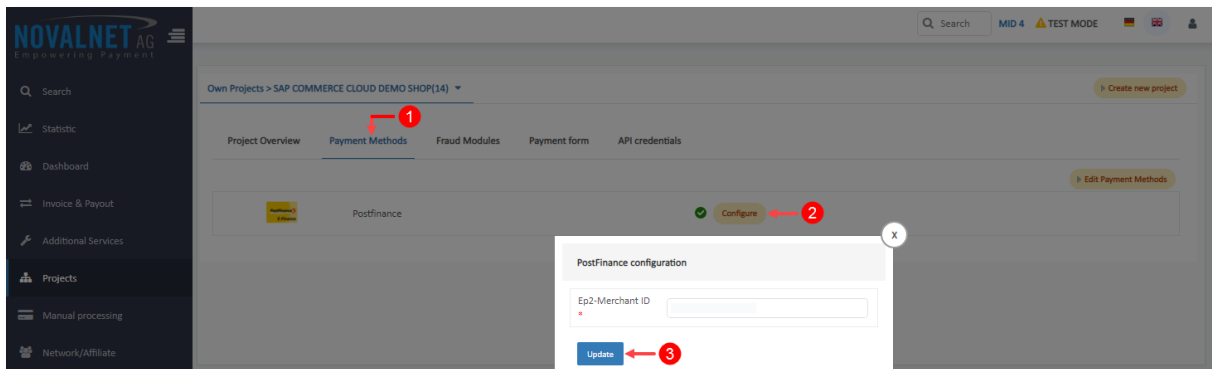

Figure 22

1.4 Payment Configuration in the SAP Commerce Cloud shop system

To view the Novalnet payment methods in the shop system, go to **Price Settings → Payment Modes**. Select each payment method, and click the **PROPERTIES** tab.

Figure 23

Set the status of **Is Active** as **True** to activate the preferred payment methods in the shop system. By default, the payment status will be set as **False**. Finally, click **Save** to save the changes.

Figure 24

Refer chapter 3 ADDITIONAL CONFIGURATION for more payment configurations.

ⓘ If you have any recommendations or suggestions for improvement, kindly share your thoughts with us on technic@novalnet.de or call us at +49 89 9230683-19.

2   TESTING AND GOING LIVE

Execute test transactions for individual payment methods, please make sure that you have enabled test mode in the **NOVALNET PAYMENT CONFIGURATION**. This can be done through the individual payment configuration page as shown in the image below. Finally, click **Save** to save the changes.
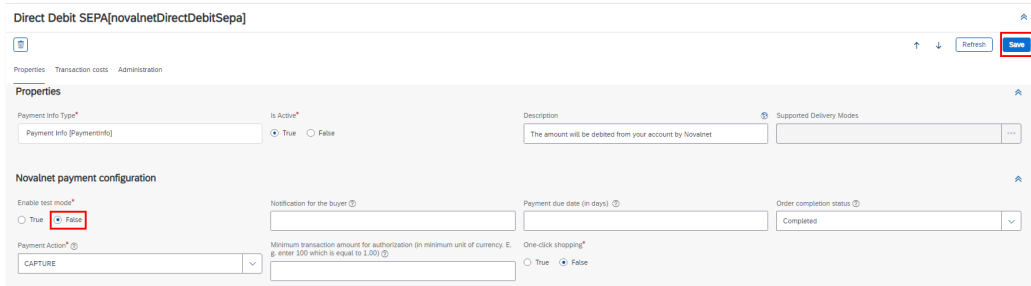

Figure 25

ⓘ Before going Live, once again save the individual payment configurations to update the payment method settings in the shop admin panel.

ⓘ Refer this URL for the Novalnet test payment data: https://developer.novalnet.de/testing/

Execute orders in LIVE MODE

To proceed with **LIVE** orders, don't forget to uncheck/disable the **Enable test mode** option in the individual payment configuration page.

ⓘ If you have any recommendations or suggestions for improvement, kindly share your thoughts with us on technic@novalnet.de or call us at +49 89 9230683-19.

3   ADDITIONAL CONFIGURATION

3.1   Additional configuration for all the payment methods

For additional payment configuration settings for each payment methods, navigate to **Price Settings → Payment Modes**, click each payment method to configure the required additional payment settings.

Notification for the buyer

Text entered in this field will be displayed on the payment checkout page. The message can be for example: *Thank you for shopping with us.*

Figure 26

Description

Provide the payment description that will be displayed in the checkout page.
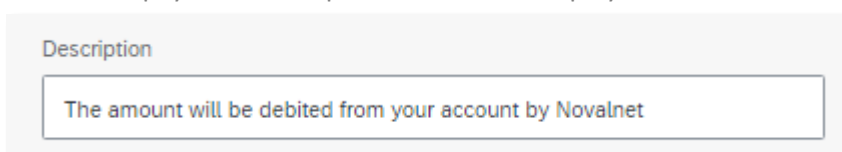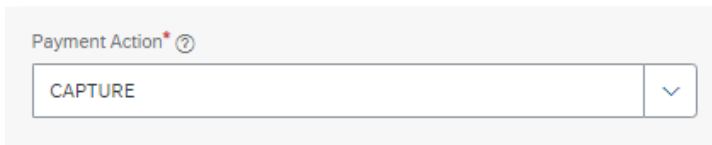

Figure 27

Payment Action (Debit immediately / Reserve funds for later)

☛ *This option is available only for **Credit/Debit Cards, Direct Debit SEPA, Direct Debit SEPA with payment guarantee, Invoice, Invoice with payment guarantee** and **PayPal.***

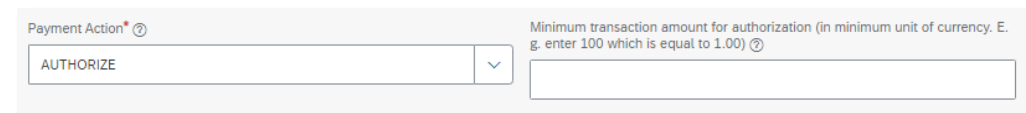You can choose between two options – **Capture** and **Authorize** which are both explained below

ⓘ **Capture** - **This is the default setting** where payments are directly executed, and funds are automatically transferred from buyer's account to the merchant account while placing an order. This can be changed as per your business requirement.

Figure 28

ⓘ **Authorize** - Payment details are verified while the funds are reserved, which will be captured later.

ⓘ **Minimum transaction amount for authorization** - Transactions from this amount will be "**authorized**" (reserved) only and captured later. Leave the field blank to authorize all transactions.
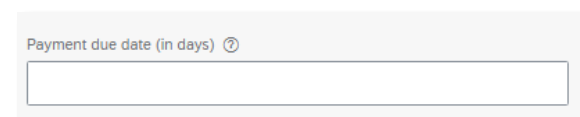

Figure 29

Payment due date (in days)

Payment due date (in days) refers to the duration (number of days) given for the buyer to complete the payment. The payment process and duration may differ for each payment method.

☛ *This option is available only for **Direct Debit SEPA, Direct Debit SEPA with payment guarantee, Invoice, Prepayment** and **Barzahlen.***

Figure 30

ⓘ For *Direct Debit SEPA* & *Direct Debit SEPA with payment guarantee,* enter the number of days after which the payment is debited (must be greater than 7 days).

ⓘ For *Invoice,* enter the number of days given to the buyer to transfer the amount to Novalnet (must be greater than 7 days). If this field is left blank, 14 days will be set by default.

ⓘ For *Prepayment,* enter the number of days given to the buyer to transfer the amount to Novalnet (must be greater than 7 days). If this field is left blank, 14 days will be set by default.

ⓘ For *Barzahlen,* enter the number of days given to the buyer to pay at a store nearby. If this field is left blank, 14 days will be set by default for slip expiry.

Order completion status

Set the status that will be used for completed orders.

Order completion status ⑦

| Completed | ⌄ |

Callback/Webhook order status

☛ *This option is available only for **Invoice**, **Prepayment**, **Barzahlen** and **Multibanco**.*

Set the status that will be applied for orders when Webhook/callback script returns order success status.

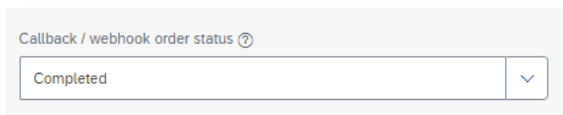Callback / webhook order status ⑦

| Completed | ⌄ |

Figure 32

Payment guarantee configuration

When the basic requirements are met, Novalnet offers you the option to process payments as guaranteed payments. For more information about Novalnet's payments guarantee,

Please visit: https://developer.novalnet.de/onlinepayments/aboutguarantee

Force Non-Guarantee payment

☛ *This option is available only for **Direct Debit SEPA with payment guarantee** and **Invoice with payment***

guarantee.

Enable this option to process payments as non-guarantee payments when the guarantee conditions are not met.

Force non-guarantee payment (Make sure the Direct Debit SEPA payment is enabled to use this option.)* ⑦
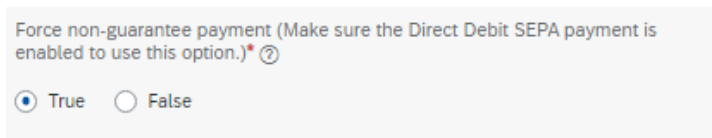
⦿ True ◯ False

Figure 33

3.2   Additional configuration for Novalnet Credit/Debit Cards

Custom CSS settings

If you wish to change the default design of the Novalnet Credit/Debit Cards form (for example to use your corporate identity), you can do it here. Leave this field unchanged to use the default settings.

CSS settings for Credit Card iframe

| Label | Input field | CSS Text |
| font-family: Raleway,Helvetica Neue,Verdana,Arial,sans-serif;font-size: 13px;fi | color: #636363;font-family: Helvetica Neue,Verdana,Arial,sans-serif;font-size: | |

Figure 34

4 MANAGING SAP COMMERCE CLOUD ADMIN PANEL

4.1 Order Management

Manage your orders and view their details under **Order → Orders** menu in your shop admin panel as shown below
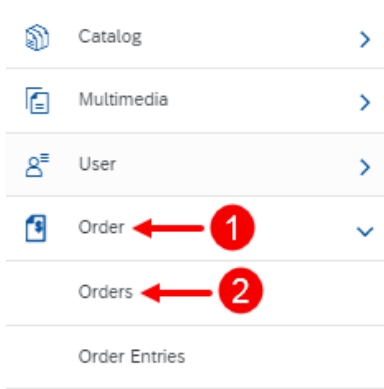

Figure 35

4.2 Transaction Overview

Click the order number to see the overview of the Novalnet transaction details for that order.
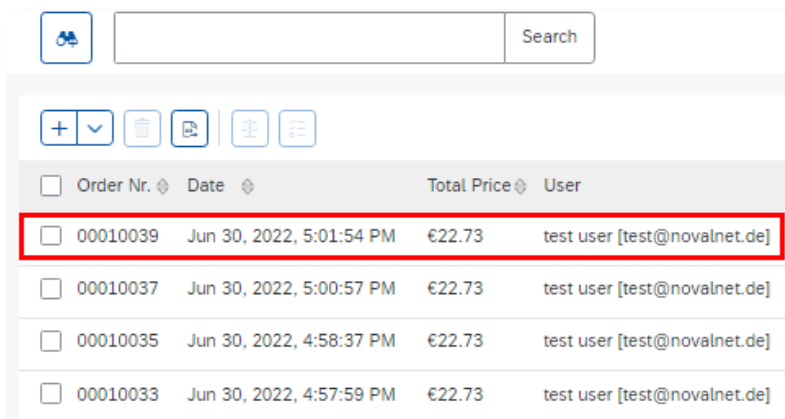

Figure 36

You can view the Novalnet transaction details of the selected order by navigating to **TRACKING → DETAILS** as shown below
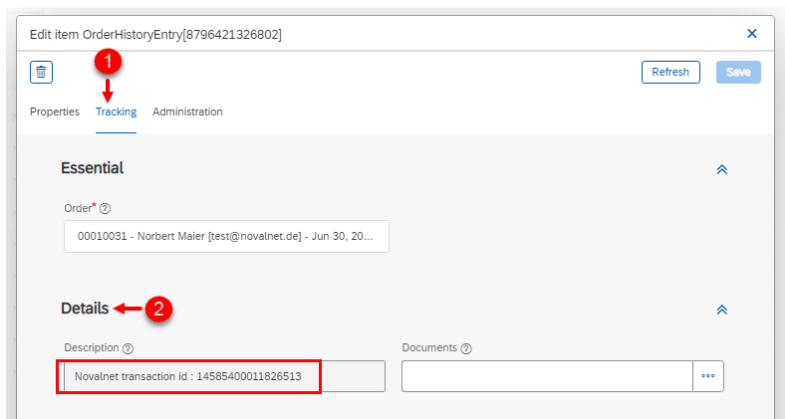

Figure 37

5 UNINSTALLATION

To uninstall the Novalnet Payment Module, please follow the below steps.

Step 1: Open the file path: **<Root_Directory>/bin/platform** in your terminal and run the below command to uninstall the Novalnet Payment Module.

```
ant addonuninstall -Daddonnames=novalnetcheckoutaddon -DaddonStorefront.yacceleratorstorefront=yacceleratorstorefront
```

Step 2: To remove novalnetcheckoutaddon file from the shop, open the file path: **<Root_Directory>/config/localextensions.xml** and remove the below code under **</extensions>**.

```
Search the below line

</extensions>

Remove the following code above the searched line

<extension name="novalnetcheckoutaddon"/>
```

6 TECHNICAL SUPPORT THROUGH NOVALNET

For any questions or further enquiries please contact one of the following departments as per your requirement. Our in-house experts are ready to assist you in case of queries or issues.

For **installation assistance** contact technic@novalnet.de or call +49 89 9230683-19.

For a **merchant account, new payment module or additional payment methods**, please contact sales@novalnet.de or call +49 89 9230683-20.

If you have any recommendations or suggestions for improvement, kindly share your thoughts with us to develop our payment modules further to technic@novalnet.de or call us at +49 89 9230683-19.

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