



PORTAL PAYMENT SETUP

This document contains information about the B2C and B2B webshops payment setup in TRIMIT

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CONTENTS

Introduction	1
Payment process	2
Payment setup in Product Information Repository (PIR)	2
Components	3
Payments.....	3
Portal payment card.....	6
Portal payment actions (capture)	8
Create refund	9
Portal payment subform (Portal Payment card page)	10
Portal payment attentions page	11
Payment Providers page	12
Portals Setup page	13
B2B Webshop Payment	14
Implementation	20
Automated Integration	20
Appendix.....	23
Klarna setup	23
Klarna TRIMIT setup	24
Ingenico setup.....	27

INTRODUCTION

This paper goes through the implementation of payments done via the TRIMIT B2C and B2B webshops (further in the text referred as portals) and third-party gateways such as DIBS, Altapay and ePay. Also, Klarna setup is described in Appendix section.

The functionality described is the functionality in **TRIMIT for Business Central BC13**.

The pictures in this White Paper are based on the demo database for **TRIMIT Business Central W1 BC13** (based on Microsoft Dynamics 365 Business Central) in the demo company **CRONUS TRIMIT W1 Ltd.** (based on CRONUS International Ltd. of Microsoft Dynamics 365 Business Central).

PAYMENT PROCESS

Running the B2C webshop requires that an order process is completed by a payment. Payment is also possible on TRIMIT B2B webshop. For that purpose, third party payment gateways are implemented - these are also called payment service providers. In a payment sequence, payment information is sent of via HTTPS secure protocol to a payment gateway – sending a user to a third-party web page in which a secure payment can be done. A user enters payment details like i.e. card details and accepts the payment. The payment service provider stores the money reservation. In the payment integrations, the payment service provider offers a service that calls back to the portals, so that the portal knows that the payment was accepted, and the order can be processed. In the callback the transaction information is passed and can be stored for later reference in TRIMIT. This is not essential but provides a more seamless integration and also allows TRIMIT to respond to the information.

TRIMIT Portals Payment Handling includes payment interactions directly within the Windows Client. The reason for doing this is that most customers want to get an immediate response to whether or not an order capture is possible. This helps preventing shipping of goods to faulty payments, invoicing of orders with no possibility to capture money from the bank account or credit card used to pay.

TRIMIT Portals Payment Handling uses a common interface for the base information about the payment. So that payment service provider specific integration uses the same inner protocol. The provider specific interfaces are handled within a proxy dll Cpo.Payment.AddIn.dll. This dll will overtime consume other payment service providers on request.

PAYMENT SETUP IN PRODUCT INFORMATION REPOSITORY (PIR)

In order to be able to use payment functionality on B2C and B2B webshops – it is required to accomplish the payment setup in TRIMIT PIR. Read more information about this in ***White Paper – Portals Product Information Repository***, section ***Payment Management***.

Read more about Klarna setup in appendix.

COMPONENTS

TRIMIT OBJECTS:

Tables	6038146	Payment Transaction Temp
	6038180	Portal Payment
	6038181	Portal Payment Entry
	6038182	Portal Payment Provider
	6038183	Portal Payment Receipt Header
	6038184	Portal Payment Receipt Line
Pages	6038185	Multiple Bank Accounts Setup
	6038180	Portal Payment List
	6038181	Portal Payment Card
	6038182	Portal Payment Subform
	6038183	Portal Payment Actions
	6038184	Portal Payment Attention List
	6038185	Multiple Bank Account Setup
	6038186	Portal Payment Receipt Headers
	6038187	Portal Payment Receipt Lines
	6038188	Portal Payment Providers
Codeunit	6038189	Portal Payment Receipt List
	6038180	Portal Payment Handling

TRIMIT XML PORT:

B2C_PAYTRANSACTION

PAYMENT-REQUEST-LIST

PAYMENT-REQ-REPLY

PAYMENTS

The **Payment List** page logs the information about all payment attempts for all the portals orders.

PORTAL PAYMENT LIST													
Search New Manage Show Attached Open in Excel More options													
NO.	DOCUMENT TYPE	DOCUMENT NO.	CUSTOMER NO.	PAID FROM	PAYMENT SERVICE PROVIDER	TRANSACTION NO.	AMOUNT	CAPTURED AMOUNT	REFUNDED AMOUNT	CURRENCY CODE	TRANSACTION STATUS	CREATION DATE	CREATION TIME
7	Order	WOC000007	CW00040	Other		{CB2B5A8F-...	540.00	0.00	0.00	DKK	Pending	8/19/2019	9:25:46 AM
6	Order	WOC000006	CW00040	Other		{CB2B5A8F-...	104.40	0.00	0.00	USD	Pending	8/19/2019	9:25:34 AM
5	Order	WOC000005	CW00040	Other		{D71361A1-...	104.40	0.00	0.00	USD	Pending	8/19/2019	9:22:51 AM
4	Order	WOC000004	CW00030	Other		{D71361A1-...	104.40	0.00	0.00	USD	Pending	8/19/2019	9:22:23 AM
3	Order	WOC000003	CW00030	Other		{D71361A1-...	104.40	0.00	0.00	USD	Pending	8/19/2019	9:22:08 AM
2	Order	WOC000002	CW00020	Other		{649A158B-...	1,270.00	0.00	0.00	SEK	Pending	8/19/2019	8:37:38 AM
1	Order	WOC000001	CW00010	Other		{82857C16-...	1,569.00	0.00	0.00	DKK	Pending	8/12/2019	11:36:05 AM

DESCRIPTION OF FIELDS**NO.**

This field is a running number and is the Key field

DOCUMENT TYPE

Options are Order and Invoice Order – this option is always used when sales order is created from the B2C shop Invoice – this option is for sales invoices, e.g. possibility to log payment in RTIMIT Payment List for the Sales Invoice, when e.g. it is sent to the customer

DOCUMENT NO.

The document number for the order or posted invoice

CUSTOMER NO.

The customer number referencing the Order

PAID FROM

Portal where the payment is originating from, e.g. B2C or B2B

PAYMENT SERVICE PROVIDER

The code here specifies the Payment Gateway that handles the payment. The code must evaluate to a supported provider in order to use automated integration. The supported providers are TRIMIT (for gift card), DIBS, EPAY and ALTAPAY

TRANSACTION NO.

This code come from the payment service provider and will be the reference to the payment that was handled

CARD NO.

This would show the last digits for a payment card that can be used for recognition if a payee needs to confirm at payment. It would in many cases be part of an order confirmation to insure the payee of a payment. I.e. XXXXXXXXXXXX1231

CARD TYPE

This would be an indication of the card type, commonly use abbreviations like VISA, MCA, DIN etc.

AMOUNT

This is the amount reserved for payment. The amount will at all-time indicate the sum the payee accepted in the process at the payment portal

TRANSACTION FEE

This field can hold a fee if one is set from the payment

CURRENCY CODE

This is the currency of the payment

TRANSACTION STATUS

Transaction status for the base payment. Status options are:

Pending – payment is pending to be authorized by the payment provider
Failed - the payment was declined. The provider rejected the payment

Authorized – the payment had been authorized by the payment provider and can be captured

Cancelled - the payment was cancelled either by the provider or by the TRIMIT party. A cancellation could be because of failure to deliver any goods. The backend can request a cancellation and free the reserved amount

Expired - The reserved amount expired due to time. In many cases a reservation lasts for only a period. The payment i.e. Teller (PBS) authorized transaction expires with 7 days
 When the payment is captured – then field **Captured Amount** indicates the amount that has been captured and **Transaction Status** field will be having value *Authorized*

CREATION DATE

Date of creation

CREATION TIME

Time of creation

PAID BY GIFT CARD / POINTS

If this field equals to *TRUE*, then a gift card or points do the payment fully

CAPTURED AMOUNT

This is the sum of all entries in the Payment Entry table successfully captured

REFUNDED AMOUNT

This is the sum of all entries in the Payment Entry table successfully refunded

ALLOW POSTING ON ERROR

(on the card) If set to *TRUE* an instant payment request will not throw an error. If, for some reason, you want to post your order regardless that a request for a capture, refund or cancellation cannot be executed at the payment provider, set this value to *TRUE*. The system will log the request attempt accordingly and display the actual error message received.

NOTE:

Developers note. The table behind this page should be accessed for insert and modify as little as possible. It is important that the table does not lock, preventing payment to be recorded from at Payment Gateway.

Available options on the **Payment List** page are **Attention List** and **Open Sales Document**:

PORTAL PAYMENT LIST						
← Search <u>New</u> Manage Show Attached Open in Excel Navigate Less options						
Attention List Open Sales Document						
NO.	TYPE	NO.	NO.	PAID FROM	PROVIDER	NO.
7	Order	WOC000007	CW00040	Other		{CB2B5A8F-F...

DESCRIPTION OF ACTIONS

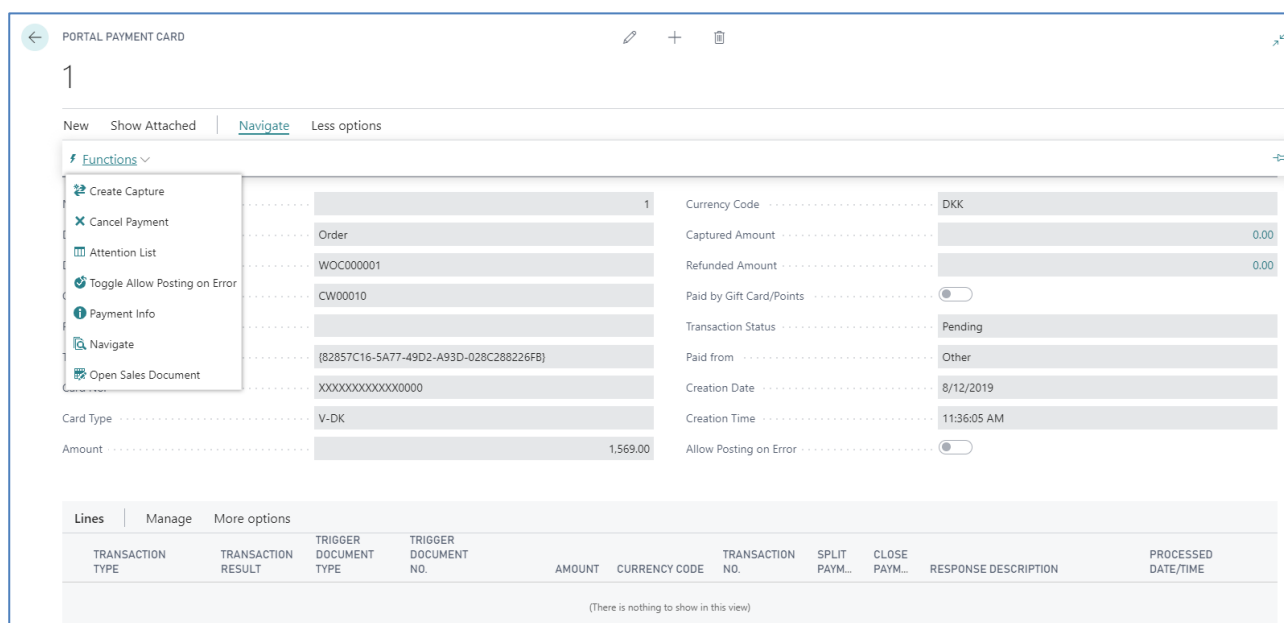
ATTENTION LIST

This action will open **Portal Payment Attention List** – the attention list will be discussed later in this document

OPEN SALES DOCUMENT

This action will open a related sales document, e.g. a sales order, posted sales invoice. If payment has not been authorized, then the document will not open

PORTAL PAYMENT CARD



DESCRIPTION OF ACTIONS

CREATE CAPTURE

This action opens a dialog page **Portal Payment Actions** in which a capture request can be done. Capture method and rules will be discussed later in this document

CANCEL PAYMENT

This action creates a Payment Cancellation Request. Under normal circumstances, the authorization will expire within a range of days from the payment being created. However, it may turn out that the user wishes to cancel the order or order may be invalid for some other reason, in such case the reservation should be cancelled accordingly.

ATTENTION LIST

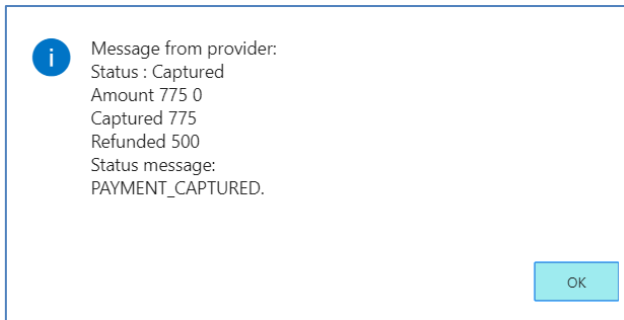
This action opens a page **Payment Attention List** for handling issues that have arisen from payment request. Payment attention list will be discussed later in this document.

TOGGLE ALLOW POSTING ON ERROR

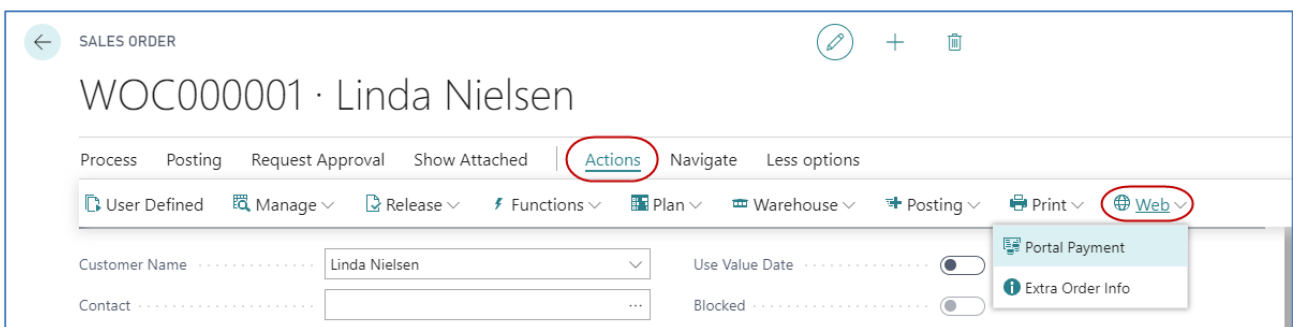
This action toggles the **Allow Posting on Error** option specified on this page.

PAYMENT INFO

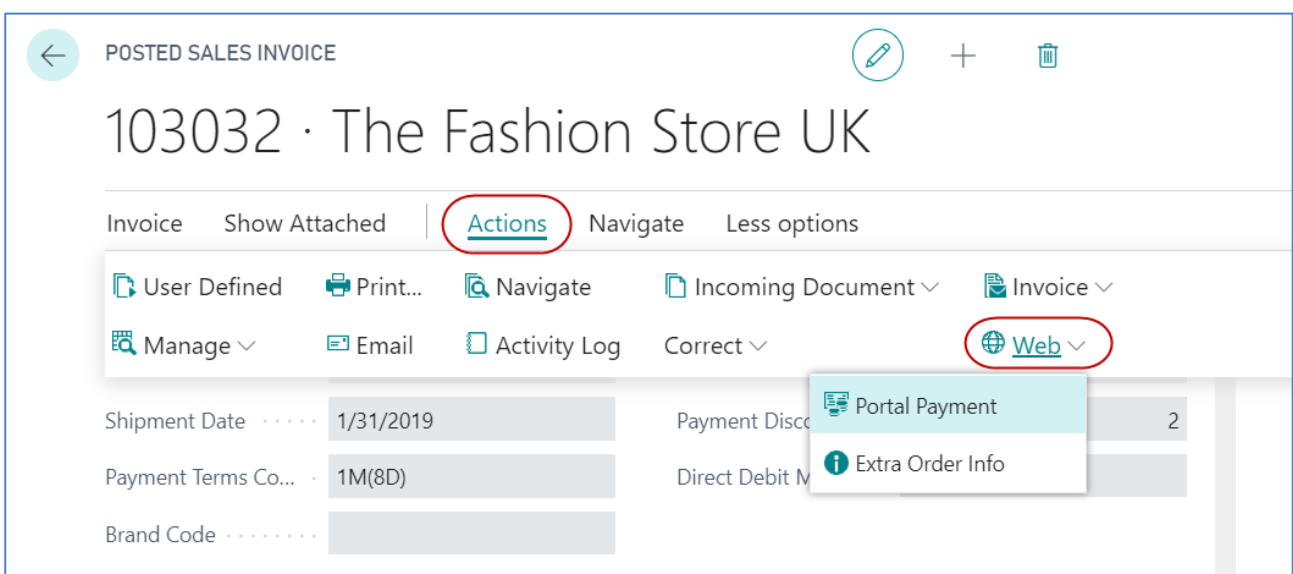
This action displays a status message for a given payment. The fetched information is real time from the payment provider. This option gives possibility for a user to ask online for the payment status. The response is a clear text response and may vary from provider to provider in richness. Error codes are translated to the meaningful text given by the provider API.



Portal Payment Card can also be accessed from the **Sales Order** card in TRIMIT (via ribbon **Actions** click **Portal Payment** in the action group **Web**):

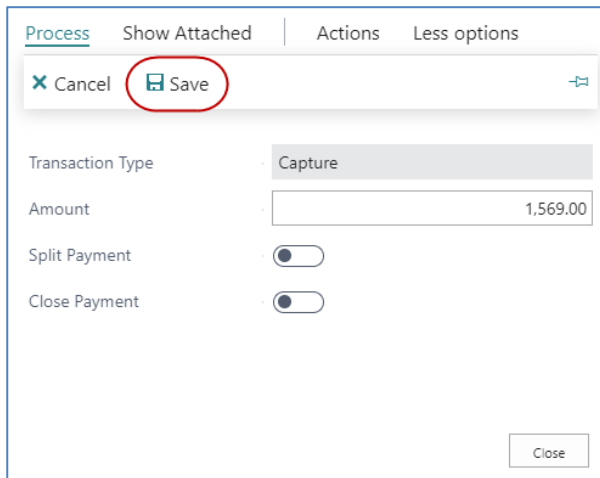


In addition, from **Posted Sales Invoice** card in TRIMIT (via ribbon **Actions** click **Portal Payment** in the action group **Web**):



PORTAL PAYMENT ACTIONS (CAPTURE)

When clicking on **Create Capture** in **Portal Payment Card** you will see the following page:



The **Portal Payment Actions** page is called with a temporary record based on table **Portal Payment Entry**.

When opening the page - logic behind will suggest a possible amount to capture.

The amount suggested is equivalent to:

*The original **reserved amount** – any previous **split captures** – any **pending captures**.*

To complete the action click **Save** in the ribbon **Process** or **Actions**.

The user can choose to capture the full amount in which case the field **Close Payment** will be automatically set to **TRUE**. The Payment Gateway will now also close the payment.

The user can choose to reduce the amount for two reasons:

- To capture less and to close the payment. This could be because we are unable to deliver fully, and we will part deliver and close the order.

Or

- To capture less but still with the intention of capturing a remaining amount later. We choose to deliver in two or more batches. In this case the user will reduce the amount and the field **Split Payment** will be set to **TRUE**. The field **Close Payment** will not be set to **TRUE**. This means the payment service provider will keep a reservation for the remainder.

NOTE:

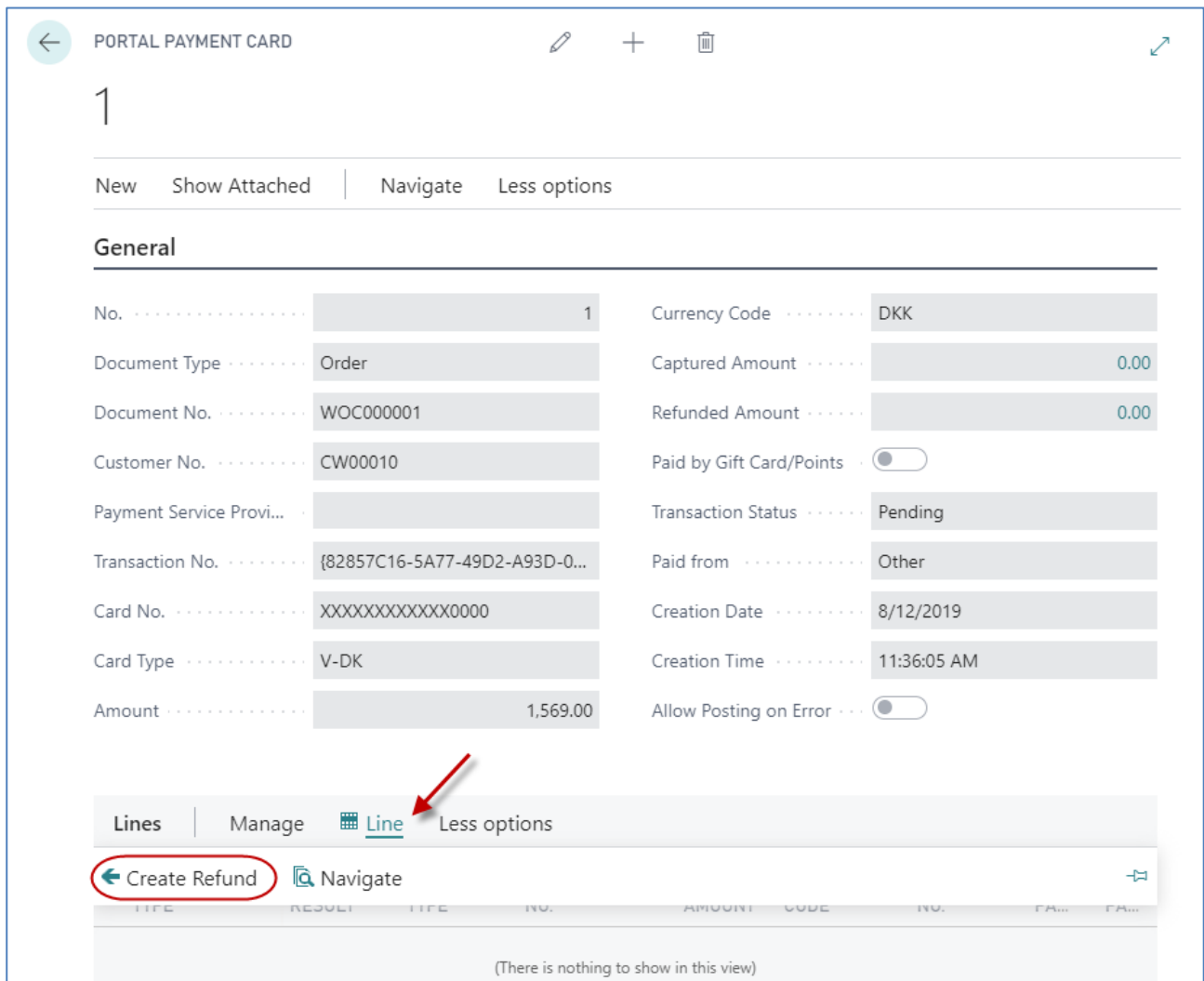
Split payment is allowed not for all credit card payments. For more information read the documentation from your payment service provider.

NOTE:

Payment caption is not supported for the following payment providers: **Ingenico, Klarna and Charge Logic**. TRIMIT only supports registration of authorization for these providers.

CREATE REFUND

On the **Portal Payment Card**, it is possible to create refund for the capture entry:



The screenshot shows the 'Portal Payment Card' interface. At the top, there is a header bar with a back arrow, the title 'PORTAL PAYMENT CARD', and icons for edit, add, and delete. Below the header, there is a large number '1'. A navigation bar contains 'New', 'Show Attached', 'Navigate', and 'Less options'. The main section is titled 'General' and contains a form with various fields:

No.	1	Currency Code	DKK
Document Type	Order	Captured Amount	0.00
Document No.	WOC000001	Refunded Amount	0.00
Customer No.	CW00010	Paid by Gift Card/Points	☐
Payment Service Provi...		Transaction Status	Pending
Transaction No.	{82857C16-5A77-49D2-A93D-0...	Paid from	Other
Card No.	XXXXXXXXXXXX0000	Creation Date	8/12/2019
Card Type	V-DK	Creation Time	11:36:05 AM
Amount	1,569.00	Allow Posting on Error	☐

Below the form, there is a navigation bar with 'Lines', 'Manage', 'Line' (highlighted with a red arrow), and 'Less options'. Under 'Line', there is a 'Create Refund' button (circled in red) and a 'Navigate' button. Below this, there is a table with columns: TYPE, RESULT, TYPE, NO., AMOUNT, CODE, NO., PAID, PAID. The table is empty, and a message at the bottom states: '(There is nothing to show in this view)'.

The **Portal Payment Actions** page will open and suggest a possible amount to refund. It is possible to do multiple refunds for one capture entry. It could be in case of multiple complaints resulting in refunds over time.

Below is shown a successful capture entry on which a partial refund was done

PORTAL PAYMENT CARD

8

New

Show Attached

Navigate

Less options

General

No. 8

Currency Code DKK

Document Type Order

Captured Amount 775.00

Document No. WOC000008

Refunded Amount 500.00

Customer No. CW00050

Paid by Gift Card/Points ☐

Payment Service Provider EPAY

Transaction Status Authorized

Transaction No. 153556733

Paid from B2C

Card No. 555555XXXXXX5000

Creation Date 24-01-2019

Card Type MASTER CARD

Creation Time 14:47:11

Amount 775.00

Allow Posting on Error ☐

Lines	Manage	More options	TRANSACTION TYPE	TRANSACTION RESULT	TRIGGER DOCUMENT TYPE	TRIGGER DOCUMENT NO.	AMOUNT	CURRENCY CODE	TRANSACTION NO.	SPLIT PAYM.	CLOSE PAYM.	RESPONSE DESCRIPTION	PROCESSED DATE/TIME
Capture			Succeeded	Order		775.00	DKK	153556733	☐	☒			24-01-2019 15:11
Refund			Succeeded	Order		500.00	DKK	153556733	☐	☐			24-01-2019 15:15

NOTE: when manually creating a refund in the **Portal Payment Subform** (via **Line/Create Refund**) then **Trigger Document Type** field is set to option **Order** by default without value in **Trigger Document No.** field.

PORTAL PAYMENT SUBFORM (PORTAL PAYMENT CARD PAGE)

DESCRIPTION OF FIELDS

TRANSACTION TYPE

Options are *Capture*, *Refund*, and *Cancel*.

Capture - this entry handles a capture on the parent payment. A Payment may contain more captures if they are split

Refund - a Refund Entry relates to a previous capture. A Refund can only refund to the amount of a specific capture

Cancel – this option is set when payment transaction is cancelled. This can only be done before the transaction is captured

TRANSACTION RESULT

Options are *Pending*, *Succeeded*, and *Failed*.

Pending – transaction is in pending mode

Succeeded – the transaction is accomplished without errors *Failed* – the transaction has failed

TRIGGER DOCUMENT

Type Options are *Order*, *Pick Order*, *Posted Invoice*, *Return Order*, *Credit Memo*, *Posted Credit Memo*.

Order – the transaction was triggered by document type Order

Pick Order - the transaction was triggered by document type Pick Order

Posted Invoice - the transaction was triggered by document type Posted Invoice

Return Order - the transaction was triggered by document type Return Order

Credit Memo - the transaction was triggered by document type Credit Memo

Posted Credit Memo - the transaction was triggered by document type Posted Credit Memo

TRIGGER DOCUMENT NO.

The document number. This can be used to set a document relation from which a transaction was created. E.g. if the capture is created by posting an order. The entry could specify the posted sales invoice

AMOUNT

This is the amount reserved for payment. The amount will at all-time indicate the sum the payee accepted in the process at the payment portal

CURRENCY CODE

This is the currency of the payment

TRANSACTION NO.

A split capture will in some cases get its own transaction ID – different from the original payment transaction ID. So that later refunds would reference the capture ID and not the parent payment ID

SPLIT PAYMENT

This indicates if the Capture was set as a split capture

CLOSE PAYMENT

This indicates that this capture would close the payment. E.g. a situation where we are only going to capture a part due to not delivering the order to its full extend at any time. The remainder amount will not be reserved anymore and further attempts to capture will be disallowed

RESPONSE DESCRIPTION

This field will contain fully or partially any message returned from the request. This could be an error message or a status message

PROCESSED DATE/TIME

This will show the date and time of the request being executed

PORTAL PAYMENT ATTENTIONS PAGE

This page is used for handling issues that have arisen from payment request. It gets all Portal Payment Entries marked as failed and displays them in a list.

If called from a specific payment - records are filtered to show only related issues. If called directly via the Navigation pane- it will display all issues across all payments.

Handling the **Payment Attentions** is based on temporary records. In order to process the failing payments, it is needed to select an action type in **Action** column (described below) and click on **Save Actions**. The relevant record will be moved to the **Payments**, where it is possible to process the payment record again.

Payment								
Show Portal Payment Card								
ACTION	TRIGGER DOCUME... TYPE	TRIGGER DOCUME... NO.	TRANSA... NO. OVERLY... LEVEL	TRANSA... TYPE	TRANSA... RESULT	RESPON... CODE	RESPONSE DESCRIPTION	PROCESS DATE/TIM
(There is nothing to show in this view)								

For a specific entry that has an issue a user can use the column **Action** to set one of the following four options:

- Blank** Keep unhandled and the issue will show up on the issue list when called
- Retry** This action will reset the entry and allow the schedule to be re-executed
- Close** The issue has been processed outside the payment system. Setting the status to close will remove the entry as an active issue. But the entry is kept in the Portal Payment Entry for history but marked as unsuccessful request.
- Complete** This action will set the entry to successful as if it was done successfully by the schedule. The reason for having this action is that the system maybe down and a person have manually created the transaction on the provider's administration site. So, to set the records strait you can align the transaction by setting it to complete.

Description of actions:

Show Portal Payment Card opens the payment card.

Save Actions saves the full list with the actions set for each of the entries.

PAYMENT PROVIDERS PAGE

On **Payment Providers** page it is possible to set up relevant credentials for payment providers gateway connections. Note that TRIMIT does not provide payment caption functionality for all payment providers and supported payment providers are DIBS, EPAY and ALTAPAY.

PORTAL PAYMENT PROVIDERS						
PROVIDER	DESCRIPTION	MERCHANT ID	USER ID	PASSWORD	PAYMENT KEY 1	PAYMENT KEY 2
DIBS	DIBS	90052256	trimit_dibspay	trimit_dibspay	4xi2jVMGD^gRZj?mcaQve^TY[F7~*(#~	f+lj~-aRZaTKY0Dokb2AAfjQ77^u^Ea
EPAY	EPAY	8010775	trimit_epay	trimit_epay	345345345brbrbrbrb8888scvcs	
ALTAPAY	PENSIO	testgateway	trimit_altapay	trimit_altapay	774489349587345	

DESCRIPTION OF THE FIELDS**PROVIDER**

Providers implemented are DIBS, ePay, Altapay. For other Providers it could be setup by customization.

DESCRIPTION

Free text

MERCHANT Id

Providers normally give a unique ID, which is used in the authentication model.

USER ID

User ID for authentication

PASSWORD

Password for authentication. A password is scrambled when typed in so that it cannot be viewed.

PAYMENT KEY 1

Some providers create unique keys that are used in the authentication model

PAYMENT KEY 2

Some providers create unique keys that are used in the authentication model

PAYMENT TERMINAL

An account key. Typically used if you have more payment locations.

POST URL

The provider address for posting requests. Typically set on the Portal.

CALLBACK URL

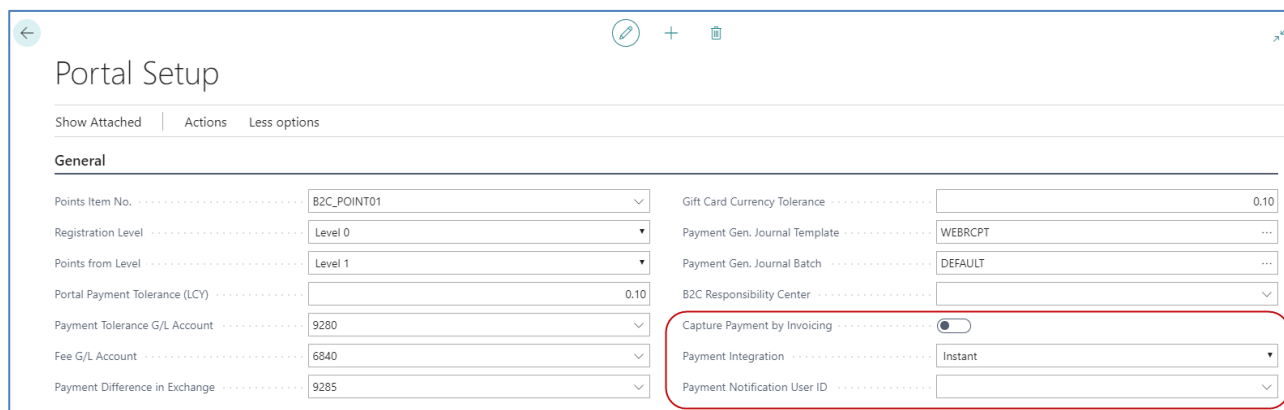
You URL address for receiving payment status. Typically set on the Portal.

ACCEPT URL

The URL to go to, when a payment has been processed successfully.

PORTALS SETUP PAGE

Portals Setup page contains the following payment related fields: **Capture Payment by Invoicing**, **Payment Integration** and **Payment Notification User ID**:



DESCRIPTION OF FIELDS

CAPTURE PAYMENT BY INVOICING

If set to *TRUE*, then posting the sales order will trigger capturing the payment from the payment service provider

PAYMENT INTEGRATION

Options are *Schedule* and *Instant*.

Schedule - if selected then the payment capture, when applied, will be awaiting a Modelyn schedule to process the request.

Instant – will execute the payment capture request and validate the attempt right away. For more information about Portals Setup page please refer to *White Paper – TRIMIT B2C NAV Setup*

PAYMENT NOTIFICATION USER ID

Point to a Business Central user who will get a notification (notification on BC home page) if a payment has been done.

B2B WEBSHOP PAYMENT

Here is described a payment setup in TRIMIT and B2B web shop.

B2B profile card has a Boolean field **Payment on lists** which, when set to *TRUE*, enables payment icon to appear on order list pages on B2B web shop. Only relevant orders will have this payment icon, i.e. orders which have to be but not yet paid for.

Manage
Process
Show Attached
Page
Navigate
Less options

EDIT - B2B PORTAL PROFILE - B2B

General >

Customer >

Order

Default Order Type B2B
Payment on lists

Mandatory change of Or...
Comment Code

Quote Nos. S-QUO-WB
Allow Line Comment

Order Nos. S-ORD-WB

Payment icons in **Overdue Entries** dock:

Overdue Entries (2)

103056 (2017-12-20) 31,250.00 GBP
103058 (2018-01-20) 7,514.69 GBP

Payment icons on Orders page:

TRIMIT B2B

Edit Setup Look book Dashboard (11) Search items Logoff

Home / Orders

Order no.	Date	Status	Order Type	Edit	Print	Delete	Pay
WOS000013	1/25/2018	Submitted	SA				
WOS000012	1/25/2018	Submitted	SA				
WOS000004	1/25/2018	Submitted	10RE-ORDER				

Payment icons on posted documents page

TRIMIT B2B

Edit Setup Look book Dashboard (11) Search items Logoff

Home / History / Posted documents

Document type	Document no.	Date	Shipment no.	Document amount	Open as PDF	Pay
Invoice	103054	12/31/2017	102065	87,500.00		
Invoice	103058	12/10/2017	102069	7,514.69		
Invoice	103052	11/30/2017	102063	68,750.00		

After clicking this payment icon, a new pop up window will appear which shows order number, order amount and currency and available payment methods. Clicking on payment methods will create a payment (this requires credit card information).

Direct Payment

Order no.

103056

Document type

Posted Invoice

Payment amount (GBP)

31,250.00

Pay now Simulation

In order to enable payment on order confirmation page the customer has to have payment terms set as follows.

CUSTOMER CARD

2000 · The Fashion

New Document Request Approval

General >

Address & Contact >

Invoicing >

Payments

Payment Terms Code PAYNO

Shipping >

Misc. Param. >

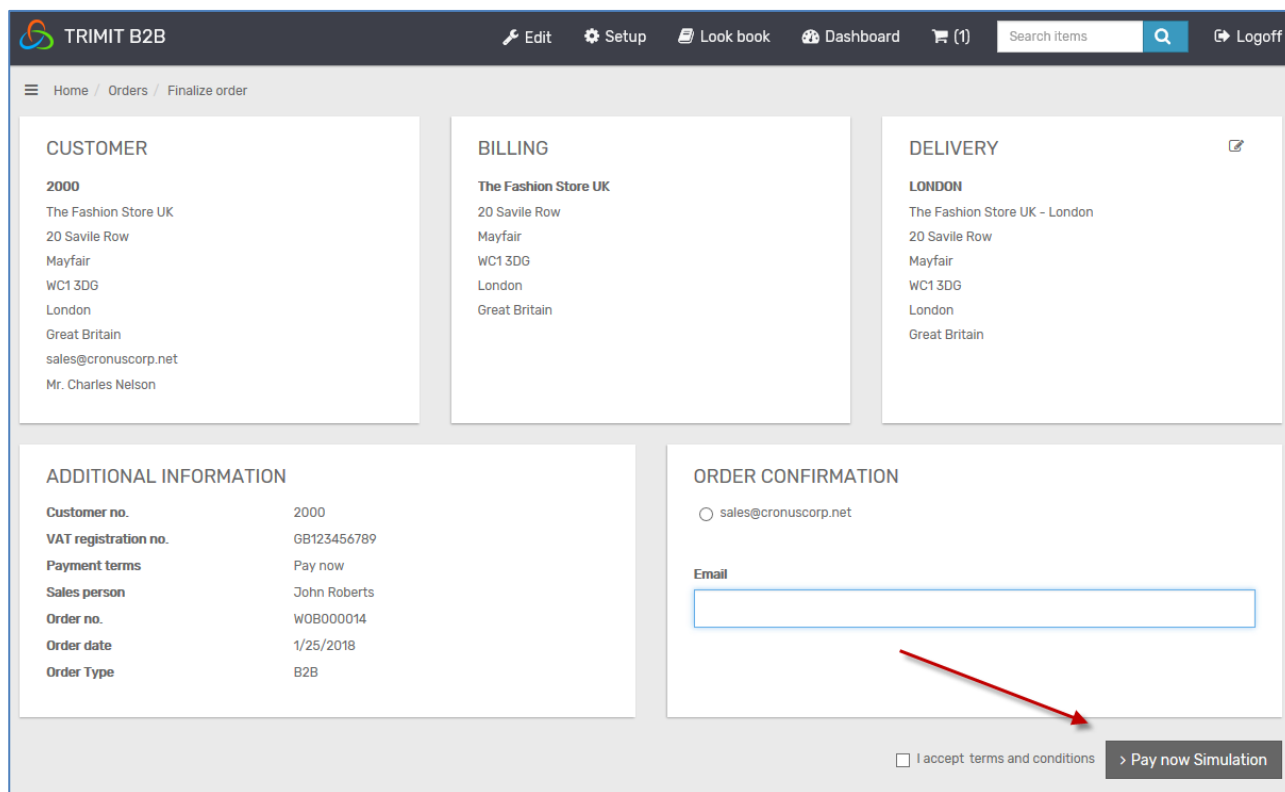
Search + New Edit List Delete Process Show Attached Open in Excel Actions

SELECT - PAYMENT TERMS + New

CODE	DUE DATE CALCULATION	DISCOUNT DATE CALCULATION	DISCOUNT %	CALC. PMT. DISC. ON CR. MEM...	DESCRIPTION	EXTE... PAYM... TERMS	CRE... CARD PMT. ON PORT...
10 DAYS	10D		0	☐	Net 10 days	☐	☐
10420230	30D		0	☐	10 days 4%, 20 days 2%, 30 days ...	☒	☐
14 DAYS	14D		0	☐	Net 14 days	☐	☐
15 DAYS	15D		0	☐	Net 15 days	☐	☐
1M(8D)	1M	8D	2	☐	1 Month/2% 8 days	☐	☐
2 DAYS	2D		0	☐	Net 2 days	☐	☐
21 DAYS	21D		0	☐	Net 21 days	☐	☐
30 DAYS	30D		0	☐	Net 30 days	☐	☐
60 DAYS	60D		0	☐	Net 60 days	☐	☐
7 DAYS	7D		0	☐	Net 7 days	☐	☐
CM	CM		0	☐	Current Month	☐	☐
COD	0D		0	☐	Cash on delivery	☐	☐
LC	0D		0	☐	Letter of Credit	☐	☐
PAYNOW	0D		0	☐	Direct Payment	☐	☒

OK Cancel

If **Credit Card Pmt. On Portal** is set to **TRUE** then payment provider buttons appear on B2B order submit page:



TRIMIT B2B

Edit Setup Look book Dashboard (1) Search items Logoff

Home / Orders / Finalize order

CUSTOMER

2000
The Fashion Store UK
20 Savile Row
Mayfair
WC1 3DG
London
Great Britain
sales@cronuscorp.net
Mr. Charles Nelson

BILLING

The Fashion Store UK
20 Savile Row
Mayfair
WC1 3DG
London
Great Britain

DELIVERY

LONDON
The Fashion Store UK - London
20 Savile Row
Mayfair
WC1 3DG
London
Great Britain

ADDITIONAL INFORMATION

Customer no.	2000
VAT registration no.	GB123456789
Payment terms	Pay now
Sales person	John Roberts
Order no.	W08000014
Order date	1/25/2018
Order Type	B2B

ORDER CONFIRMATION

☐ sales@cronuscorp.net

Email

☐ I accept terms and conditions [Pay now Simulation](#)

NOTE

Entering order submit page on B2B webshop initiates creation of temporary order in TRIMIT. This triggers all needed calculations, defining that this is a payment mode (if payment is activated) and at this stage it is possible to retrieve all the extra information using code unit call functionality, e.g. credit card fees, shipment cost etc.

The credit card payment can be disabled on order type card:

ORDER TYPE CARD

B2B

Show Attached | Navigate | Less options

General >

Collection Mgt. >

Shipment Group Mgt. >

Sales >

Purchase >

Filters >

Portal

Category Instant ASI Posting

Show on Web Posting Lines Threshold 0

CPO Availability Chec... Disable Signature in C...

Create Web Orders as ... Skip Credit Card Pay...

Payment in B2B Webshop cannot be made for a quote – if **Create Web Order as** (on B2B profile) is set to *Quote* the payment cannot be applied.

Order has to be posted in ASI in order to see the payment icon in order list.

If order was made on SA Portal but paid from B2B Webshop, then on Payment lines in BC the **Paid from** will be stated as *Sales Agent*.

PORTAL PAYMENT LIST

Search New Manage Show Attached Open in Excel | Navigate Less options

NO.	DOCUME... TYPE	DOCUME... NO.	CUSTOMER NO.	PAID FROM	PAYMENT SERVICE PROVIDER	TRANSA... NO.	AMOUNT	CA
27	Order	WOC000025	CW00060	B2C		999999999	50,00	
26	Order	WOC000024	CW00060	B2C		999999999	50,00	
25	Order	WOC000023	CW00060	B2C		999999999	1.250,00	
24	Order	WOC000022	CW00060	B2C		999999999	740,00	
23	Order	WOC000021	CW00060	B2C		999999999	690,00	
22	Order	WOC000020	CW00060	B2C		999999999	130,00	
21	Order	WOC000019	CW00060	B2C	DIBS	2144916051	220,00	
20	Order	WOC000018	CW00060	B2C	EPAY	153579842	245,00	

If B2B customer goes to payment, selects payment provider but then goes back by clicking browser back button, then it will still be possible to pay at a later point of time. But the payment line is already created in **Payments** in TRIMIT with no payment service provider filled in. When customer will go to payment again this line in **Payments** will be finished.

If payment is enabled on B2B Webshop then there will be added VAT to the order on submit page.

☐ I accept terms and conditions > Pay now Simulation						
No.	Name	Delivery	Qty	Price	%	Line
2100	T-Shirt med striber		1	11.00	10.00	9.90
Total price (GBP)						9.90
VAT						2.48
Amount total incl. VAT						12.38

If an order has been paid, then it will not be possible to reopen it for editing on B2B Webshop.

NOTE

Order type Presale has to be considered to have **Skip Credit Card Payment** field set to **TRUE** (payment not available on submit page on B2B). This is because of the presale nature, where order conditions can be modified in the future.

Payment details can be seen in **Portal Payment** card which can be opened from **Sales Order** card ribbon **Actions**.

SALES ORDER

+

WOC000001 · Linda Nielsen

Process

Posting

Request Approval

Show Attached

Actions

Navigate

Less options

User Defined

Release

Plan

Posting

Web

Manage

Functions

Warehouse

Portal Payment

Extra Order Info

Contact

Posting Date

Order Date

Due Date

Requested Delivery D...

External Document No.

Ignore Blocking

Skip Availability Check

Order Type

Collection No.

10/10/2019

10/10/2019

10/10/2019

B2C

IMPLEMENTATION

While handling payments in TRIMIT, the system relies on having access to the TRIMIT's .NET component **Cpo.Payment.AddIn.dll**. This component can be found in **TRIMIT Portals** download package, in **Add-Ins** folder, on partner portal (<https://partner.trimit.com/solution/solution-download>).

Downloads > TRIMIT BC13 Portals-001-2019-03-04.zip > TRIMIT BC13 Portals > BusinessCentral > Add-ins		
Name	Type	Compressed size
 Cpo.NAV.AddIn.dll	Application extension	18 KB
 Cpo.Payment.AddIn.dll	Application extension	27 KB
 Installation Guide for TRIMIT BC13 Payment Add-In.pdf	Adobe Acrobat Document	219 KB
 Installation Guide for TRIMIT BC13 Portals Add-In.pdf	Adobe Acrobat Document	220 KB

This component must be placed in the **Service Tier Add-ins** folder as well as any Development client's **Add-ins** folder that needs to compile the object **Codeunit 6038180 Portal Payment Handling**.

I.e. place the .dll component into the following location:

- **C:\Program Files\Microsoft Dynamics 365 Business Central\<version>\Service\Add-ins** (on the server)
- **C:\Program Files (x86)\Microsoft Dynamics 365 Business Central\<version>\RoleTailored Client\Add-ins** (on every client PC).

AUTOMATED INTEGRATION

This section describes the automated integration model concerning payment service providers:

DIBS, ePay and Altapay.

Find the companies here

www.dibs.dk

www.epay.dk

www.altapay.com

Prerequisites are as follows:

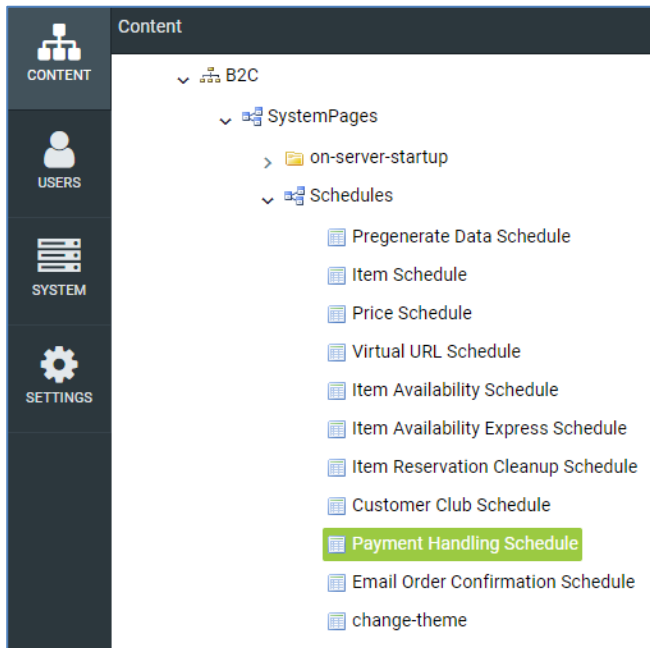
- Test partnerships created with the providers.
- Apply for allowed split payments and get this feature activated at DIBS. This is not default when registering an account with DIBS. With ePay its set when creating the payment. It is set to always allow split.
- Note, on ePay they do not allow multiple transaction on the same payment within 15 minutes via web service. This means that if you run a capture and a refund in the same scheduled cycle the refund will be denied. And a retry will only be successful after 15 minutes.

In the standard implementation - integration with the payment service providers handles the following activities:

- Payment register

- Capture
- Refund
- Cancel

The automated integration is done in batch cycles and not by direct HTTP calls. The setup runs a scheduled page (shown below) from the Modelyn site (in this case the B2C).



This schedule should run often, e.g. every 5 minutes. The schedule does the following:

1. Calls TRIMIT via the “**PAYMENT-REQUEST-LIST**” which returns all pending request found on payments.
2. The page cycles the pending request and for each one determines the type of request and calls the payment provider’s interface with the required information. When receiving the reply for the request the page calls the TRIMIT view “**PAYMENT-REQ-REPLY**” and registers the outcome.

Portals / B2C / SystemPages / Schedules / PaymentRequestHandling

B2C 2018 NAV Data: **RequestList**

Actions and Data Model

NAV Data: **RequestList**
View: **PAYMENT-REQUEST-LIST**

NAV Data: **RequestUpdate**
View: **PAYMENT-REQ-REPLY**

Validation Summary: **valSummary**

Repeater-List:

Actions: **aProvider** onrender

- XEF:** CustomData.Read('Payment', fields/paymentprovider)
- Var:** dataRow = CustomData.GetXmlRow()

Actions: **actionSetProviderInfo** onrender

- Var:** MerchantId = String1
- Var:** key1 = String4
- Var:** key2 = String5
- Var:** ProviderUserName = String6

REV. 21-08-2019

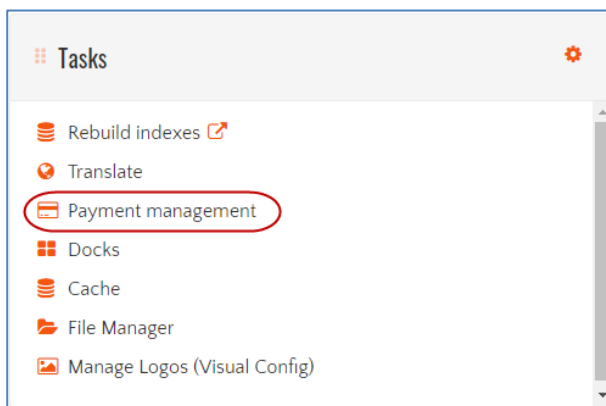
© TRIMIT A/S

PAGE 22 OF 27

APPENDIX

KLARNA SETUP

Klarna payment setup may vary from the other payment providers. The short setup description is below. The screen shot below is from TRIMIT PIR, under dock **Tasks** and task **Payment management**:



Payment management

Payment method
Klarna

Status

Merchant id / PSID

Language

Payment K1 code

Country-Currency combinations
List of CountryCode-CurrencyCode combinations, comma-separated; e.g. DK-DKK,SE-SEK,GB-GBP

If this is blank (default), all Country-Currency combinations are valid for this payment method

IMPORTANT: Klarna *must* have a list from supported locales

Update

DESCRIPTION OF THE FIELDS FOR KLARNA PAYMENT MANAGEMENT

PAYMENT METHOD

Select a payment method, in this case Klarna

STATUS

Select status, for testing purposes select *Test*. Other options: *Inactive* (not active on website, payment button is not shown) and *Live* (for live solutions)

MERCHANT ID / PSID

Specify your store ID in this field. The value can be found on Klarna setup website (can be sent by email from Klarna)

LANGUAGE

Set your language

PAYMENT K1 CODE

This field is the same as **Shared Secret** (different name in different TRIMIT portal versions). The value should be obtained from Klarna. This is a password to the merchant

COUNTRY-CURRENCY COMBINATIONS

List of country code – currency code combinations, separated by comma. If the value is blank (default), then all country – currency combinations are valid for this payment method. Important: Klarna must have a list from supported locales: <https://developers.klarna.com/kco-v2/checkout-api/#supported-locales>

KLARNA TRIMIT SETUP

As TRIMIT does not support payment capture for Klarna payment provider (this needs to be developed by TRIMIT partner), only payment registration is supported, - there is no Klarna setup on the TRIMIT ERP site. Hence, no need to do a setup on **Payment Providers** page.

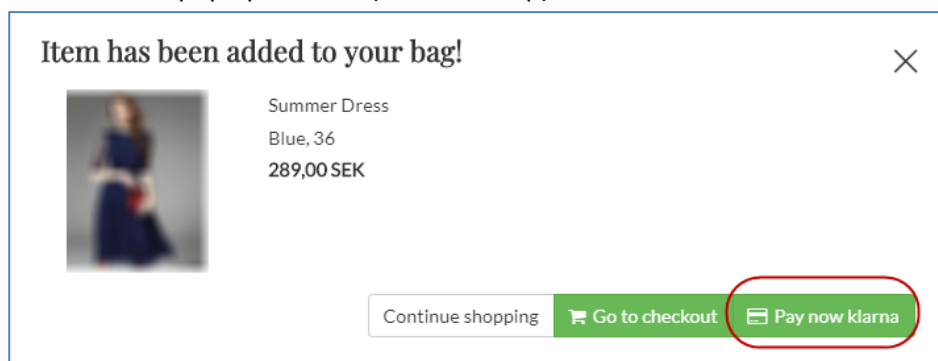
The integration setup has to be made in TRIMIT PIR (Product Information Repository). Among other settings - **Shared Secret** has to be set up here. **Shared Secret** can be obtained when signing up at Klarna. It is used in the .NET API as a mode of verification. In previous portal versions **Shared Secret** field had a different name – **Payment K1 code** – but the same purpose and value.

When Klarna is set as a payment method on TRIMIT B2C webshop then, when adding an item to basket, there will be a separate button, on the add to basket confirmation pop up and on basket page, to go to Klarna check out page. Klarna has a separate **Pay now Klarna** button and separate check out page because in this case a different approach is used in regard to payment submission.

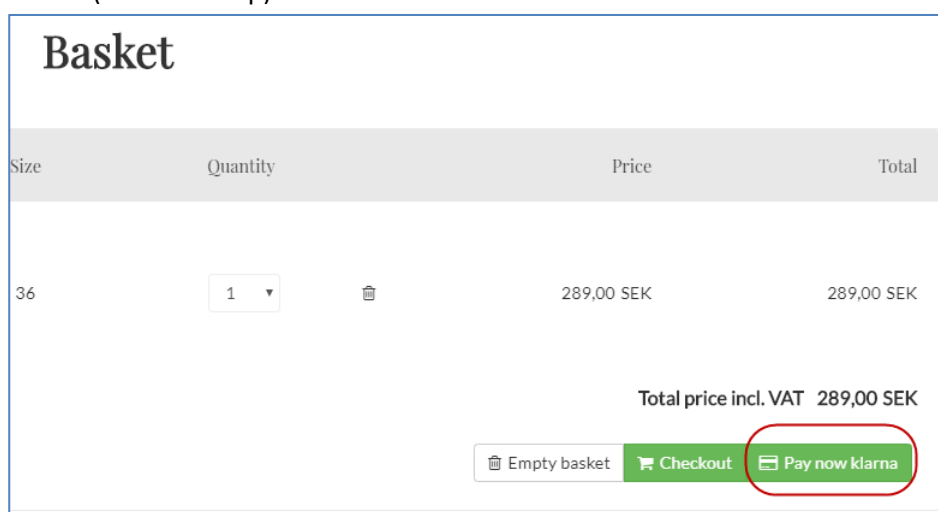
NOTE:

During the customization on B2C webshop – make sure that Klarna PLE code is not removed or modified as this can lead to **Pay now klarna** button will not show up even though the setup is correct.

Add to basket pop up window (B2C webshop):



Basket (B2C webshop):

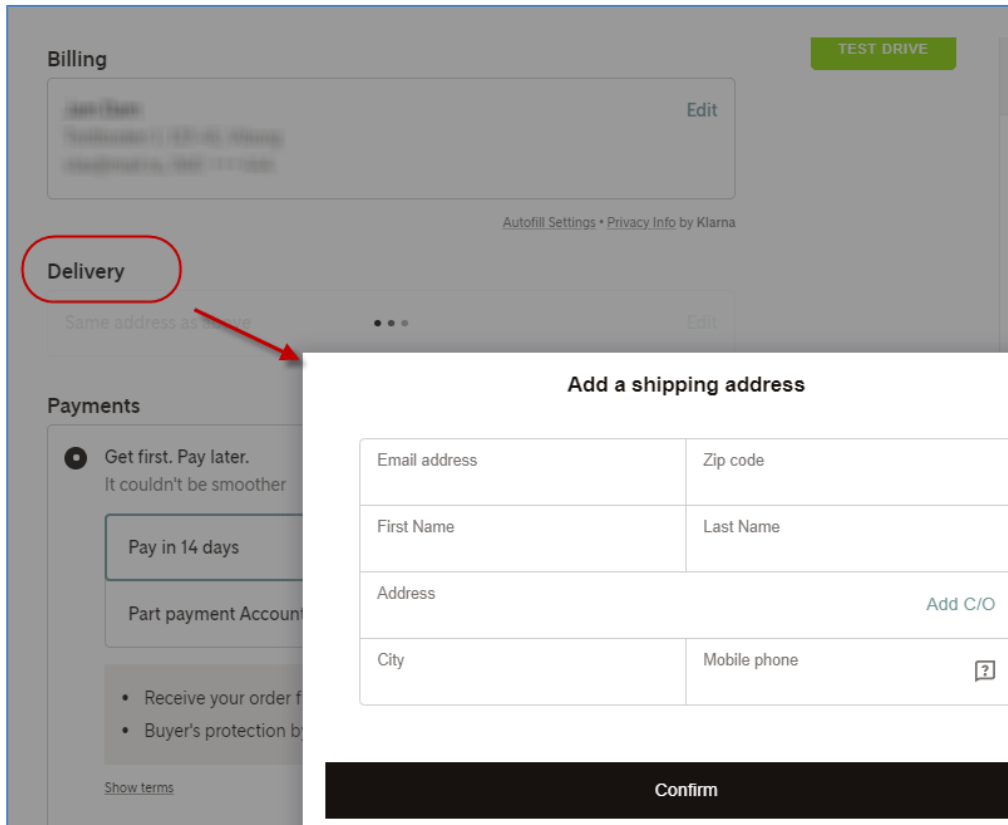


SHIPPING WITH KLARNA

This is related to setup on portal site. There is a theme value in B2C view file -

\$theme_KlarnaAllowSeparateShippingAddress – allows separate shipping address within Klarna checkout.

This is not related to selecting a different delivery method. If this theme value is set to *TRUE*, then a delivery address area will be shown on Klarna submit payment page on B2C webshop.



The screenshot shows the Klarna portal interface. The 'Billing' section is at the top, followed by a 'Delivery' tab which is highlighted with a red circle and an arrow. Below the 'Delivery' tab is a modal titled 'Add a shipping address'. The modal contains the following fields:

Email address	Zip code
First Name	Last Name
Address Add C/O	
City	Mobile phone ?

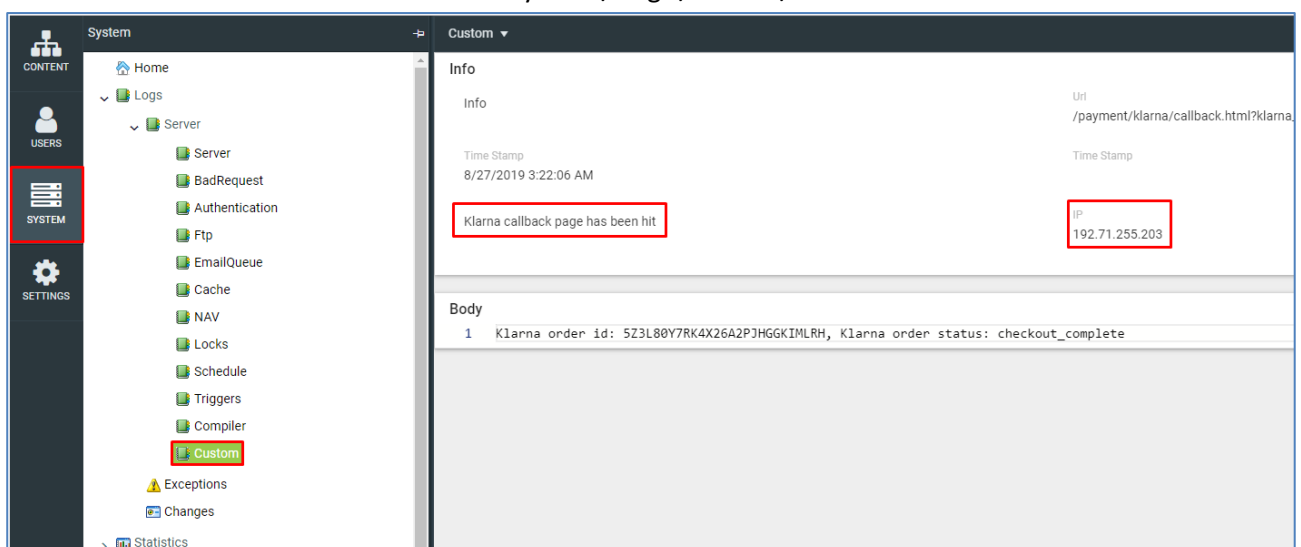
At the bottom of the modal is a 'Confirm' button.

This option should also be activated and set to *TRUE*, when delivery options include such an option as *Delivery to a work address*. Read the recommendations from Klarna here:

<https://www.klarna.com/uk/customer-service/pay-later/can-i-send-my-order-to-an-address-other-than-my-billing-address/>

KLARNA CALLBACK IN MODELYN LOG

The Klarna callback status can be found in System / Logs / Server / Custom:



The screenshot shows the Modelyn log interface. The left sidebar has a 'SYSTEM' tab selected. The main area displays the 'Custom' log entry. The log entry is titled 'Info' and contains the following details:

Info	Uri
Info	/payment/klarna/callback.html?klarna
Time Stamp	Time Stamp
8/27/2019 3:22:06 AM	
Klarna callback page has been hit	IP
	192.71.255.203

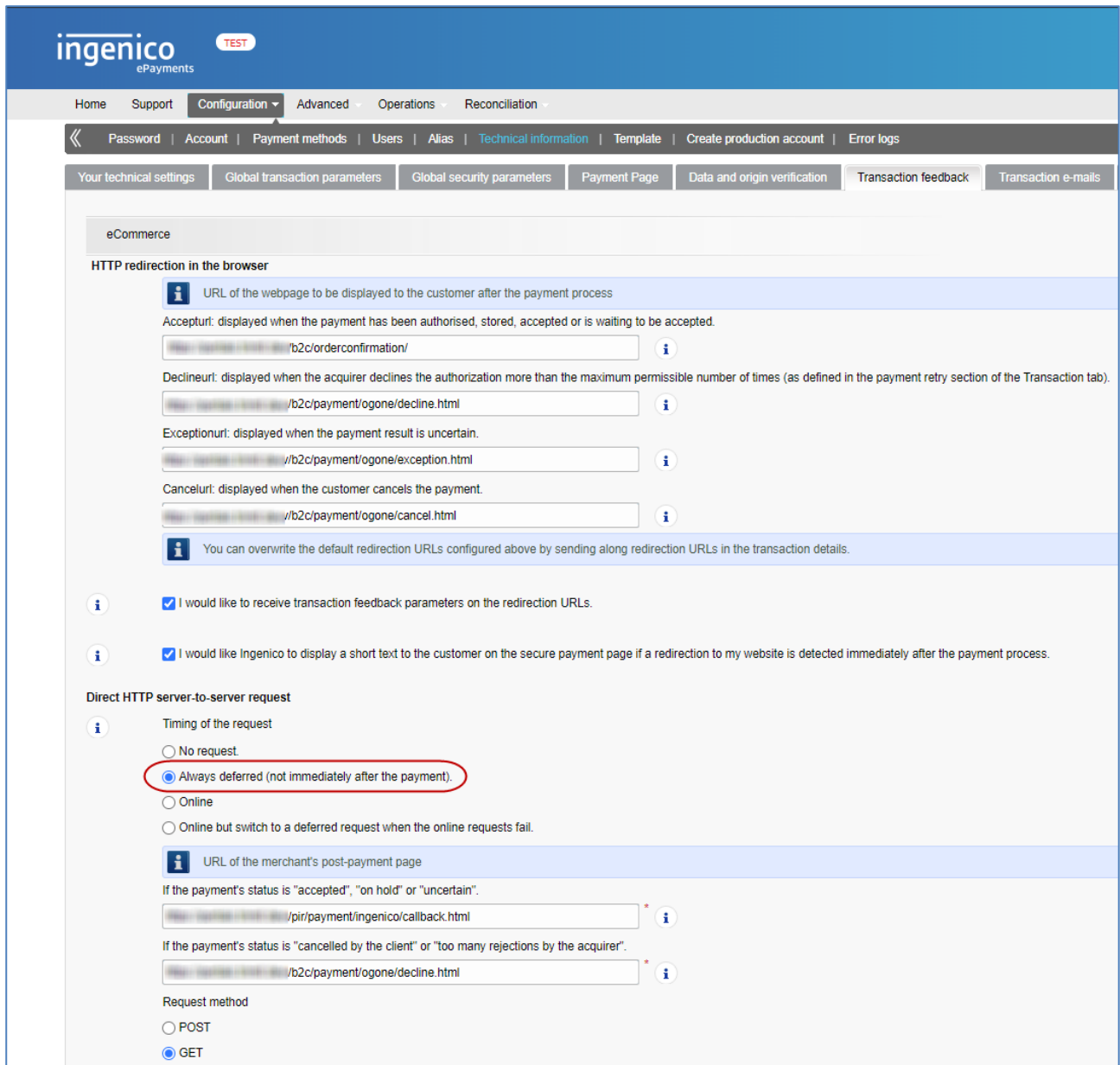
The 'Body' section of the log entry contains the following text:

```
1 Klarna order id: 5Z3L80Y7RK4X26A2PJHGGKIMLRH, Klarna order status: checkout_complete
```

INGENICO SETUP

Here us a small note about the callback setup in Ingenico admin panel.

It might be required to set **Direct HTTP server-to-server request** to *Always deferred*.



The screenshot shows the Ingenico ePayments Configuration page. The 'Configuration' tab is selected, and the 'Advanced' sub-tab is active. The 'Your technical settings' section is expanded, showing the 'eCommerce' configuration. The 'HTTP redirection in the browser' section is visible, with fields for 'Accepturl', 'Declineurl', 'Exceptionurl', and 'Cancelurl'. The 'Direct HTTP server-to-server request' section is also visible, with the 'Always deferred (not immediately after the payment)' option selected and circled in red. The 'Request method' is set to 'GET'.

ingenco ePayments TEST

Home | Support | Configuration | Advanced | Operations | Reconciliation

« | Password | Account | Payment methods | Users | Alias | Technical information | Template | Create production account | Error logs

Your technical settings | Global transaction parameters | Global security parameters | Payment Page | Data and origin verification | Transaction feedback | Transaction e-mails

eCommerce

HTTP redirection in the browser

i URL of the webpage to be displayed to the customer after the payment process

Accepturl: displayed when the payment has been authorised, stored, accepted or is waiting to be accepted.

i

Declineurl: displayed when the acquirer declines the authorization more than the maximum permissible number of times (as defined in the payment retry section of the Transaction tab).

i

Exceptionurl: displayed when the payment result is uncertain.

i

Cancelurl: displayed when the customer cancels the payment.

i

i You can overwrite the default redirection URLs configured above by sending along redirection URLs in the transaction details.

i ☒ I would like to receive transaction feedback parameters on the redirection URLs.

i ☒ I would like Ingenico to display a short text to the customer on the secure payment page if a redirection to my website is detected immediately after the payment process.

Direct HTTP server-to-server request

i Timing of the request

☐ No request.

☒ Always deferred (not immediately after the payment).

☐ Online

☐ Online but switch to a deferred request when the online requests fail.

i URL of the merchant's post-payment page

If the payment's status is "accepted", "on hold" or "uncertain".

i

If the payment's status is "cancelled by the client" or "too many rejections by the acquirer".

i

Request method

☐ POST

☒ GET