

TRIMIT Portal Payment Handling

White Paper

This document contains information about TRIMIT Portal Payment Handling functionality in NAV +TRIMIT

Information shown in this document is based on:

- TRIMIT ConnectPortal 4.7 (CPO)
- TRIMIT Portals 2013 R2 S (PORTALS)
- TRIMIT 2013 R2 S (TRIMIT)

Date: January 2014

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INTRODUCTION

This paper will go through the implementation of payments done via portals and 3-party gateways such as DIBS, Altapay and ePay.

Running sales portals it can be a requirement that an order process is completed by a card payment. This is seen in B2B's and 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 to a payment gateway – sending the user to a third-party web page in which a secure payment can be done. The user enters 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 sales portal, so that the backend will know that the payment was accepted and the order can be processed. In the call back the transaction information is passed and can be stored for later reference in NAV. It is not essential but provides a more seamless integration and also allows NAV to respond to the information. This project will follow up on making a structure that allows storing first hand payment confirmation. Secondly to record transaction related to payments such as captures, refund, cancellation etc.

TRIMIT Portal payment handling includes Payment interactions directly within the RTC client. The reason for doing this is that that most customers want to get an immediate response to whether or not a capture is possible. This will help preventing shipping of goods to faulty payments, invoicing of orders with no possibility to capture money from the credit card used to pay.

TRIMIT Portal 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.

COMPONENTS

NAV Objects:

Table	6038146	B2C Payment Transaction Log
Table	6038180	Portal Payment
Table	6038181	Portal Payment Entry
Table	6038182	Portal Payment Providers
Table	6038183	Teller Import Log
Table	6038184	Teller File Content
Page	6038180	Portal Payment List
Page	6038181	Portal Payment Card
Page	6038182	Portal Payment Subform
Page	6038183	Portal Payment Actions
Page	6038184	Portal Payment Attention List
Codeunit	6038180	Portal Payment Handling

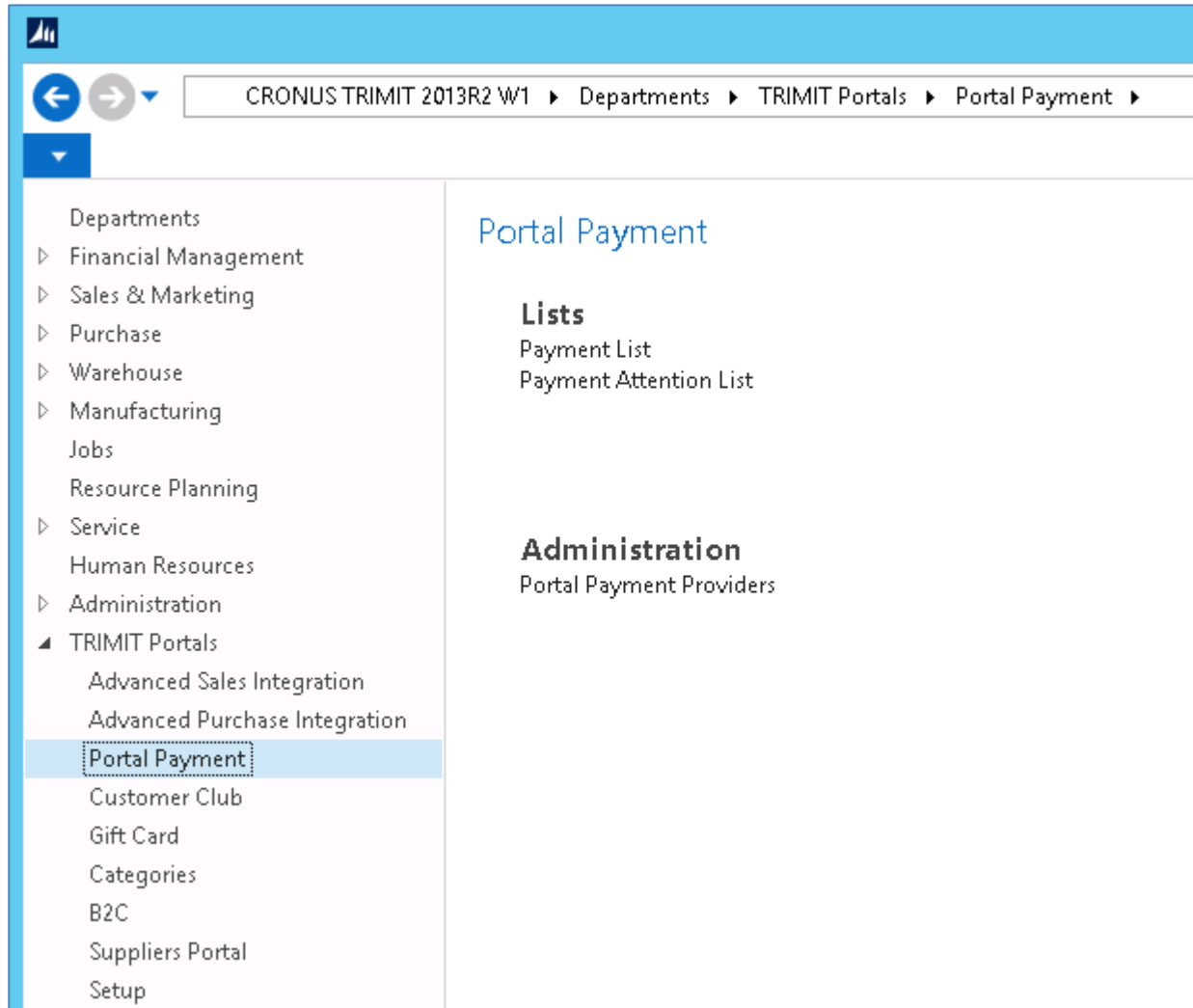
NAV Views:

B2C-PAYTRANSACTION

PAYMENT-REQUEST-LIST

PAYMENT-REQ-REPLY

Portal Payment in section in NAV +TRIMIT (path **Departments/TRIMIT Portals/Portal Payment**)



CRONUS TRIMIT 2013R2 W1 > Departments > TRIMIT Portals > Portal Payment >

- Departments
 - Financial Management
 - Sales & Marketing
 - Purchase
 - Warehouse
 - Manufacturing
 - Jobs
 - Resource Planning
 - Service
 - Human Resources
 - Administration
 - TRIMIT Portals
 - Advanced Sales Integration
 - Advanced Purchase Integration
 - Portal Payment**
 - Customer Club
 - Gift Card
 - Categories
 - B2C
 - Suppliers Portal
 - Setup

Portal Payment

Lists

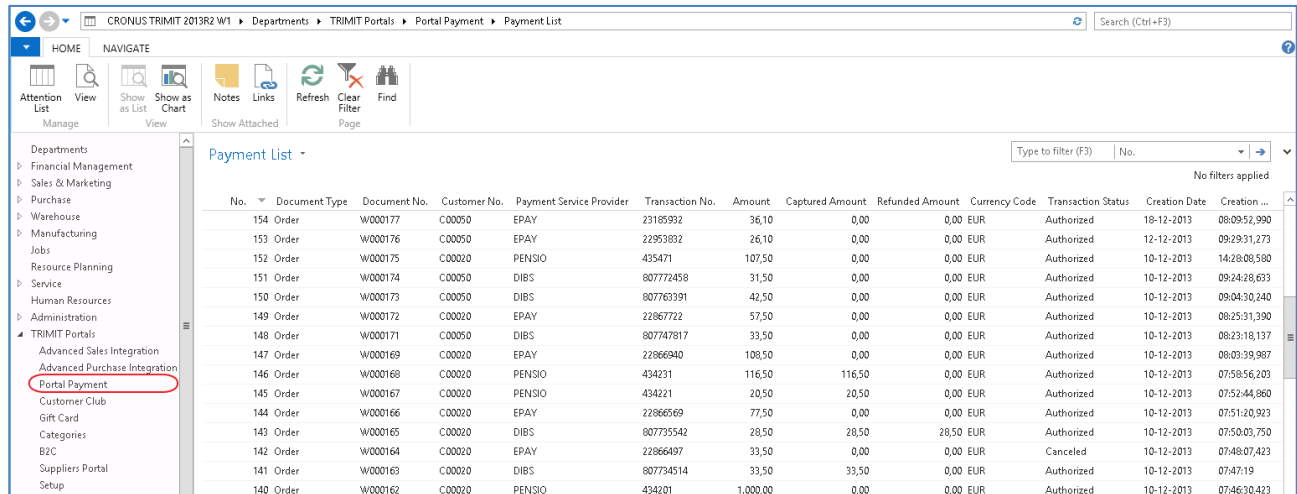
- Payment List
- Payment Attention List

Administration

- Portal Payment Providers

PAYMENT LIST

This page holds information on any attempted payment for a specific order. In TRIMIT NAV the portal role will be able to follow successfully payments as well as payments failing for some reason.



The screenshot shows the TRIMIT Portal Payment Handling interface. The left sidebar contains a navigation menu with categories like Departments, Financial Management, Sales & Marketing, Purchase, Warehouse, Manufacturing, Jobs, Resource Planning, Service, Human Resources, Administration, and TRIMIT Portals. The 'TRIMIT Portals' category is expanded, showing sub-items like Advanced Sales Integration, Advanced Purchase Integration, Portal Payment (highlighted with a red circle), Customer Club, Gift Card, Categories, B2C, Suppliers Portal, and Setup. The main area displays a 'Payment List' table with columns: No., Document Type, Document No., Customer No., Payment Service Provider, Transaction No., Amount, Captured Amount, Refunded Amount, Currency Code, Transaction Status, Creation Date, and Creation Time. The table contains 14 rows of payment data.

No.	Document Type	Document No.	Customer No.	Payment Service Provider	Transaction No.	Amount	Captured Amount	Refunded Amount	Currency Code	Transaction Status	Creation Date	Creation Time
154	Order	W000177	C00050	EPAY	23185932	36,10	0,00	0,00	EUR	Authorized	18-12-2013	08:09:52,990
153	Order	W000176	C00050	EPAY	22953832	26,10	0,00	0,00	EUR	Authorized	12-12-2013	09:29:31,273
152	Order	W000175	C00020	PENSIO	435471	107,50	0,00	0,00	EUR	Authorized	10-12-2013	14:28:08,580
151	Order	W000174	C00050	DIBS	807772458	31,50	0,00	0,00	EUR	Authorized	10-12-2013	09:24:28,633
150	Order	W000173	C00050	DIBS	807763391	42,50	0,00	0,00	EUR	Authorized	10-12-2013	09:04:30,240
149	Order	W000172	C00020	EPAY	22867722	57,50	0,00	0,00	EUR	Authorized	10-12-2013	08:25:31,390
148	Order	W000171	C00050	DIBS	807747817	33,50	0,00	0,00	EUR	Authorized	10-12-2013	08:23:18,137
147	Order	W000169	C00020	EPAY	22866940	108,50	0,00	0,00	EUR	Authorized	10-12-2013	08:03:39,987
146	Order	W000168	C00020	PENSIO	434231	116,50	116,50	0,00	EUR	Authorized	10-12-2013	07:58:56,203
145	Order	W000167	C00020	PENSIO	434221	20,50	20,50	0,00	EUR	Authorized	10-12-2013	07:52:44,860
144	Order	W000166	C00020	EPAY	22866569	77,50	0,00	0,00	EUR	Authorized	10-12-2013	07:51:20,923
143	Order	W000165	C00020	DIBS	807735542	28,50	28,50	28,50	EUR	Authorized	10-12-2013	07:50:09,750
142	Order	W000164	C00020	EPAY	22866497	33,50	0,00	0,00	EUR	Canceled	10-12-2013	07:48:07,423
141	Order	W000163	C00020	DIBS	807734514	33,50	33,50	0,00	EUR	Authorized	10-12-2013	07:47:19
140	Order	W000162	C00020	PENSIO	434201	1.000,00	0,00	0,00	EUR	Authorized	10-12-2013	07:46:30,423

Description of fields

- No.** This field is a running number and is the Key field
- Document Type** Options are
Order, Invoice
- Document No.** The document number for the order or invoice
- Customer No.** The customer number referencing the Order
- 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
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 this 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. "XXXXXXXXXXXX1231"
- Card Type** This would be an indication of the card type, commonly use abbreviations like "VISA", "MCA", "DIN" etc.

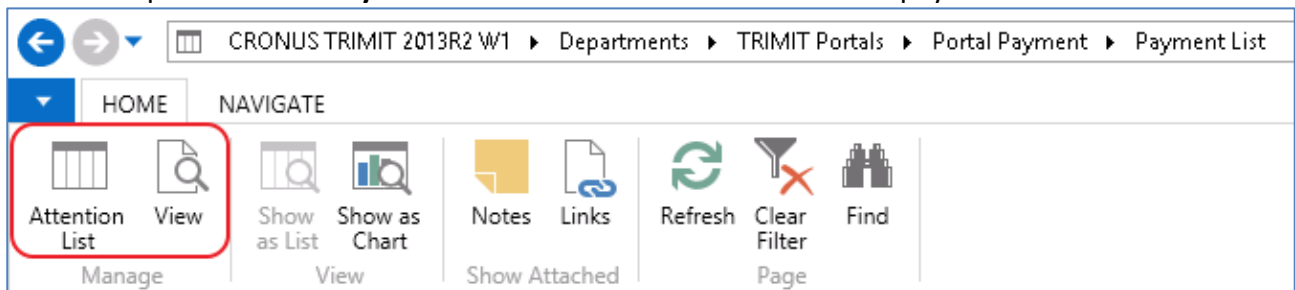
Amount	This is the amount reserved for payment. The amount will at all-time indicate the sum the payee accepted in the process at the payment portal.
Transaction Fee	This field can hold a fee if one is set from the payment.
Currency Code	This is the currency of the payment.
Transaction Status	Transaction status for the base payment. Status options are: • <i>Failed</i> • <i>Created</i> • <i>Cancelled</i> • <i>Expired</i> • <i>Captured</i> • <i>Refunded</i> • <i>Finished</i> Failed: The payment was declined. The provider rejected the payment. Created: The payment was successfully accepted at the payment service provider. The money is now reserved for capture. Cancelled: The payment was cancelled either by the provider or by the TRIMIT NAV party. A cancellation could be because of failure to deliver any goods. To the backend can request a cancellation and free the reserved amount. Expired: The reserved amount expired due to time. In many cases a reservation last for only a period of time. The payment. E.g. Teller (PBS) authorized transaction expires with 7 days. Captured: The payment has been fully captured. The payment can be partially captured if "Split Payment" was activated. The payment service provider would normally have to setup the ability to split payment, also some cards to not support splitting payment. You should check you agreement with the provider. Trying to split the payment will only result in a failed if not possible. Refunded: The Payment was fully refunded. Finished: This status is manually set. The payment is closed and no further activity is allowed, so any attempt to refund, capture etc. will be denied.

Created Date	Date of creation
Created Time	Time of creation
Paid by Gift Card	If this field is true then the payment is done fully by a Gift Card.
Captured Amount	This is a sum of all entries in the Payment entry table successfully captured.
Refunded Amount	This is a sum of all entries in the Payment Entry table successfully refunded.
Allow Posting on Error	If set to <i>TRUE</i> 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, cancel cannot be executed at the payment provider, set this value to true. The payment will log the request attempt accordingly and display the actual error message received.

NOTE:

Developers note. This table 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** are “**Attention List**” and **View** payment card:



Description of controls

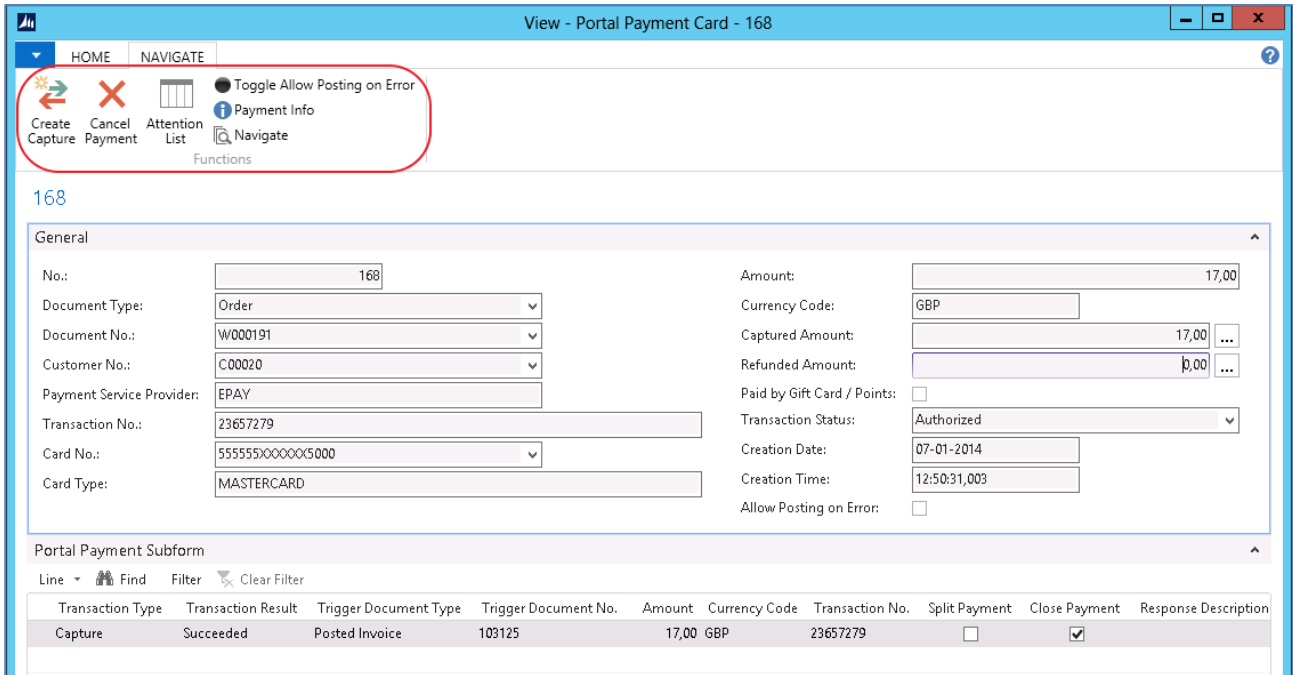
“Attention List”

This menu item will open Portal Payment Attention list – the attention list will be discussed later in this document.

Card

This menu item will open Portal Payment Card.

PORTAL PAYMENT CARD



Description of controls

“Create Capture”

This button will open 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 button will create a 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”

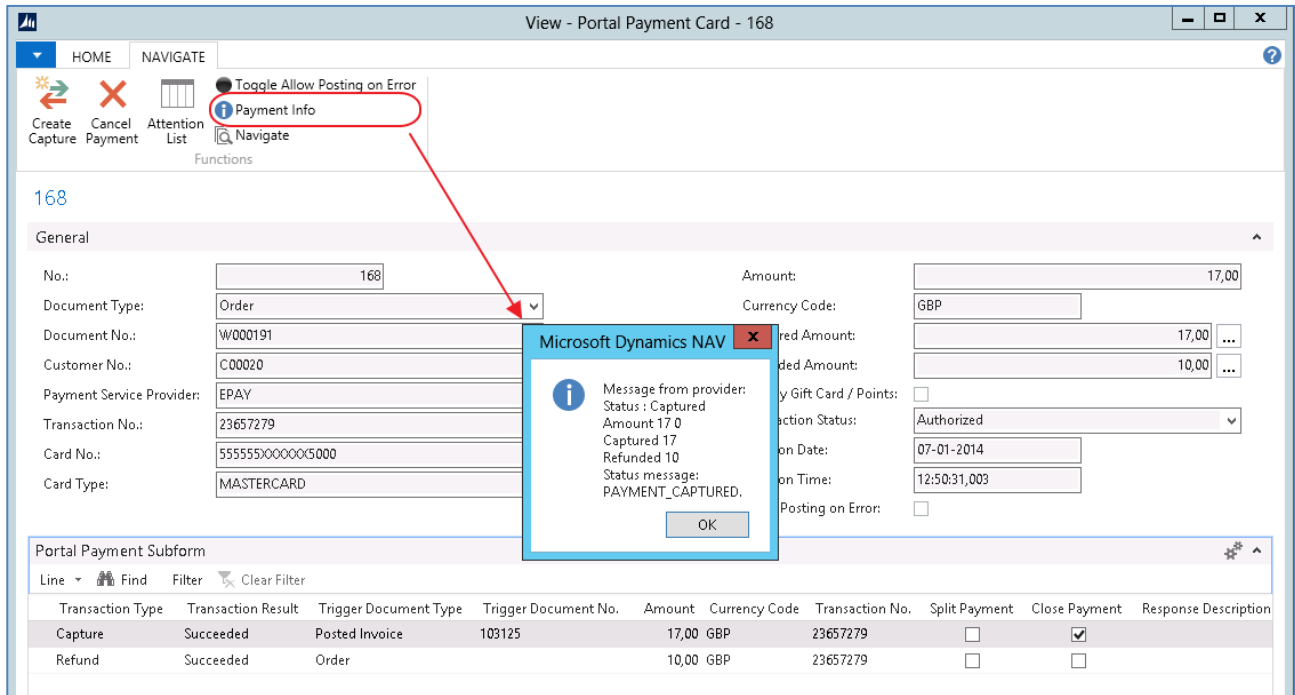
This button will open a page **“Payment Attention List”** for handling issues that have arisen from payment request. Payment attention list will be discussed later in this document.

“Toggle Allow Posting on Error”

This button will toggle the **“Allow Porting on Error”** option specified on this page.

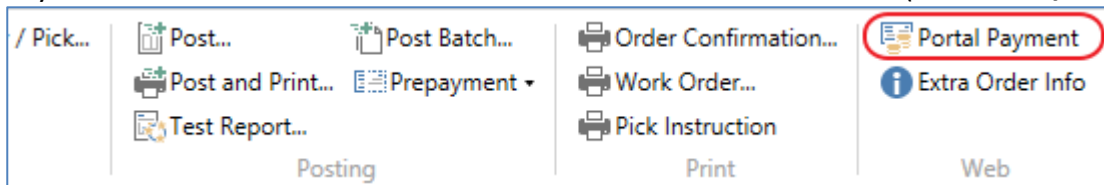
“Payment Info”

This button will display a status message for a given payment. The fetched information is real time from the 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.



Line	Transaction Type	Transaction Result	Trigger Document Type	Trigger Document No.	Amount	Currency Code	Transaction No.	Split Payment	Close Payment	Response Description
1	Capture	Succeeded	Posted Invoice	103125	17,00	GBP	23657279	☐	☒	
2	Refund	Succeeded	Order		10,00	GBP	23657279	☐	☐	

Payment card can also be accessed from the Sales Order card in NAV (via **Actions/Web**):

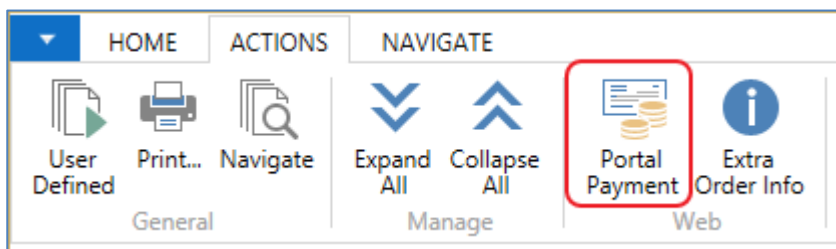


Posting: / Pick..., Post..., Post Batch..., Post and Print..., Test Report...

Print: Order Confirmation..., Work Order..., Pick Instruction...

Web: Portal Payment, Extra Order Info

And from Posted Sales Invoice card in NAV:



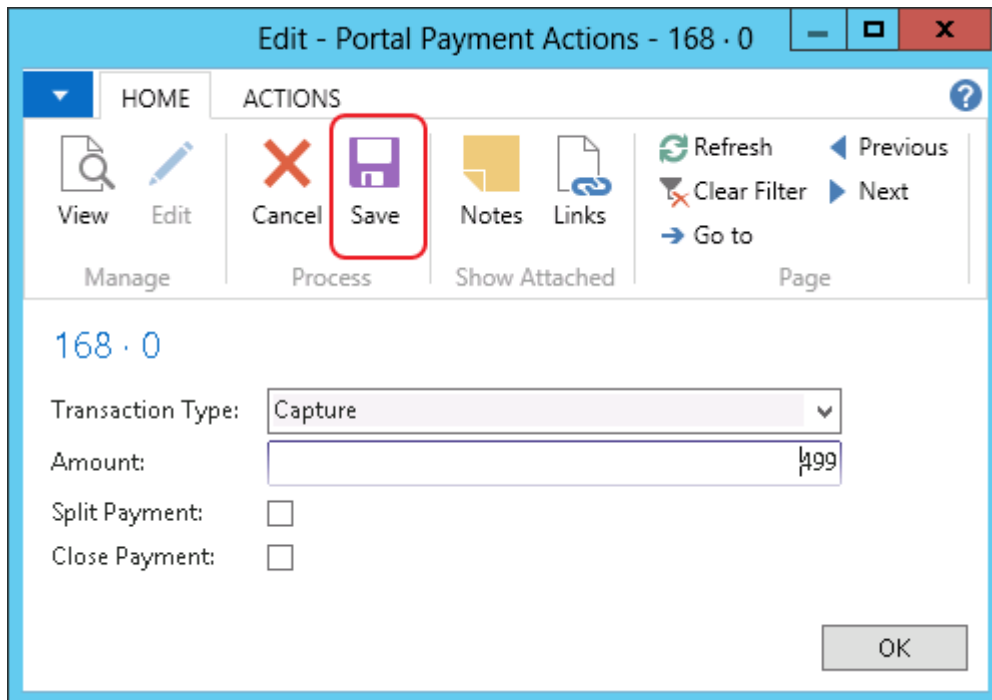
General: User Defined, Print..., Navigate

Manage: Expand All, Collapse All

Web: Portal Payment, Extra Order Info

PORTAL PAYMENT ACTIONS (CAPTURE)

When pressing on **Capture** on “**Portal Payment Card**” you will see the following dialog window:



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 press **Save** button on top menus.

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

The user can choose to reduce the amount for 2 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

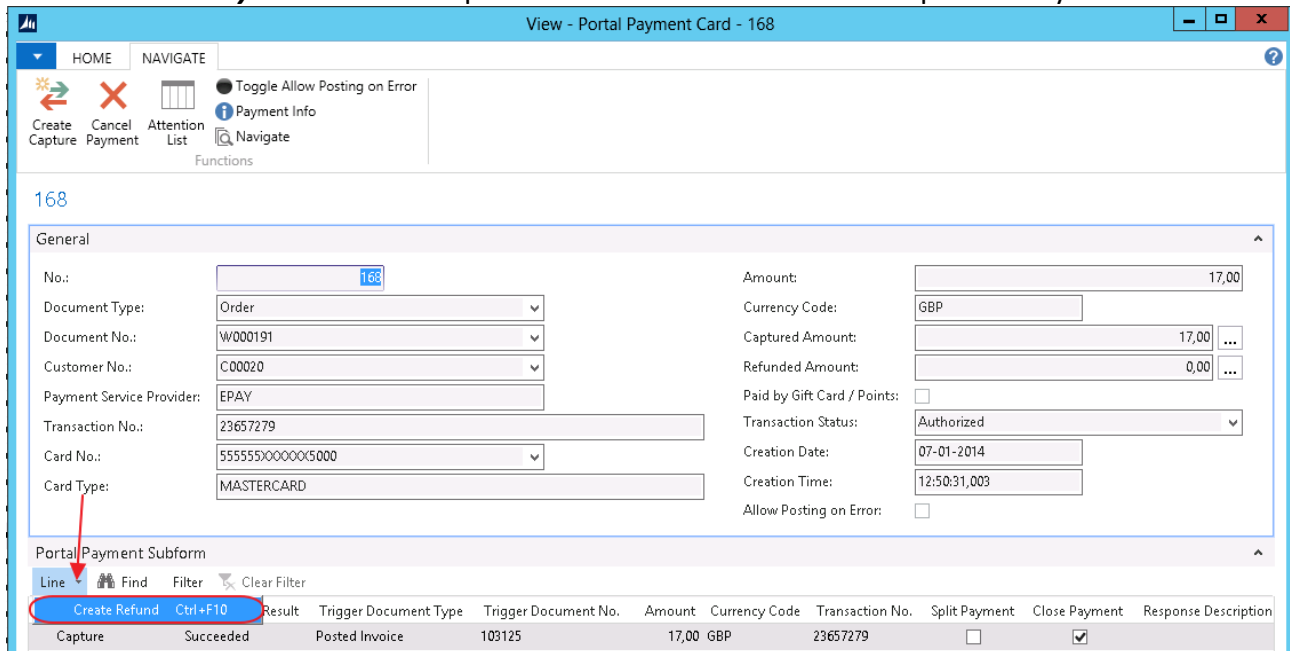
- To capture less but still with the intention of capturing a remaining amount later. We choose to deliver in two or more batches. In this case the user will reduce the amount and the split payment will be set. The “**Close Payment**” will not be set. Which means the payment service provider will keep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

NOTE:

Split payment is not allowed for all creditcard types. In Denmark only cards handled by Teller allows split payments. For more information read your documentation from your payment service provider.

Create refund

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



View - Portal Payment Card - 168

HOME NAVIGATE

Create Capture Cancel Payment Attention List Payment Info Navigate Functions

168

General

No.: 168 Amount: 17,00

Document Type: Order Currency Code: GBP

Document No.: W000191 Captured Amount: 17,00

Customer No.: C00020 Refunded Amount: 0,00

Payment Service Provider: EPAY Paid by Gift Card / Points: ☐

Transaction No.: 23657279 Transaction Status: Authorized

Card No.: 555555XXXXXX5000 Creation Date: 07-01-2014

Card Type: MASTERCARD Creation Time: 12:50:31,003

Allow Posting on Error: ☐

Portal Payment Subform

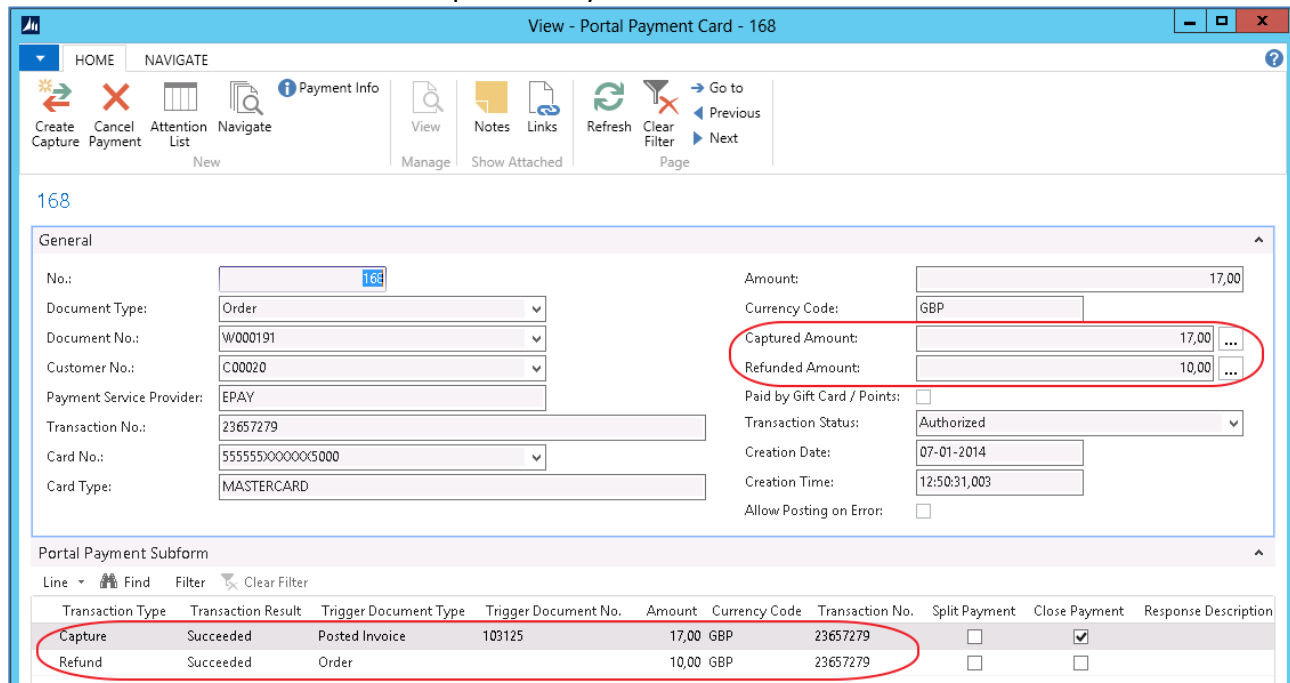
Line Find Filter Clear Filter

Create Refund Ctrl+F10 Result Trigger Document Type Trigger Document No. Amount Currency Code Transaction No. Split Payment Close Payment Response Description

Line	Transaction Type	Transaction Result	Trigger Document Type	Trigger Document No.	Amount	Currency Code	Transaction No.	Split Payment	Close Payment	Response Description
1	Capture	Succeeded	Posted Invoice	103125	17,00	GBP	23657279	☐	☒	

The **Portal Payment Actions** page will open and suggest a possible amount to refund. It is possible to do multiple refunds for 1 capture entry. It could be in case of multiple complaints resulting in refunds over time.

In this case there is a successful capture entry on which a refund could be done.



View - Portal Payment Card - 168

HOME NAVIGATE

Create Capture Cancel Payment Attention List Payment Info Navigate View Notes Links Refresh Clear Filter Go to Previous Next

168

General

No.: 168 Amount: 17,00

Document Type: Order Currency Code: GBP

Document No.: W000191 Captured Amount: 17,00

Customer No.: C00020 Refunded Amount: 10,00

Payment Service Provider: EPAY Paid by Gift Card / Points: ☐

Transaction No.: 23657279 Transaction Status: Authorized

Card No.: 555555XXXXXX5000 Creation Date: 07-01-2014

Card Type: MASTERCARD Creation Time: 12:50:31,003

Allow Posting on Error: ☐

Portal Payment Subform

Line Find Filter Clear Filter

Line	Transaction Type	Transaction Result	Trigger Document Type	Trigger Document No.	Amount	Currency Code	Transaction No.	Split Payment	Close Payment	Response Description
1	Capture	Succeeded	Posted Invoice	103125	17,00	GBP	23657279	☐	☒	
2	Refund	Succeeded	Order		10,00	GBP	23657279	☐	☐	

PORTAL PAYMENT SUB FORM (PORTAL PAYMENT CARD PAGE)

Description of fields (source table)

Portal Payment No.	Key – foreign key match the parent Payment
Entry No.	Key
Trigger Document Type	Options are: <i>Blank, Invoice, Credit Memo</i>
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
Transaction No. Overlying Level	The Transaction No. Overlying Level is for a Capture the Payment that is captured for. For a Refund it is the Capture that it Refunds on.
Transaction Type	Options are: • <i>Capture</i> • <i>Refund</i> • <i>Reauthorize</i> • <i>Cancel</i> 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.
Transaction Result	Options are: • <i>Pending</i> • <i>Success</i> • <i>Failed</i>
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.
Remaining Amount	This field can hold the amount that the payment service provider replied to be left after a split capture.

Transaction Fee	If a Fee is connected to the transaction the value can be specified here. The fee value must be a returned value from the payment service provider or set via the settlement information.
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 extent at any time. The remainder amount will not be reserved anymore and further attempts to capture will be disallowed.
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.
Response Code	A Request may return a code indicating success or a reference to an error type.
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.
Posted Document No.	This is a reference to the Cust. Ledger Entry. No. which a capture or a refund is posted to.
Expected Settlement Date	This field can indicate the date of settlement. The indication of the date that a captured amount is present on the bank account. The value can come from the settlement notification when posting the transaction.
Processed Date/Time	This will show the date and time of the request being executed.
System Value	This is system field a used to carry a value stripped from culture specific decimal and thousand dividers.
Attempt Counter	This is a system field. The counter will retry 3 times before setting a schedule error.
Internal Reference ID	A unique GUID for the particular entry. It allows a call back from a schedule to set a single reference.
Action	This field is used temporary to indicate how an entry containing an issue should be handled. Options are

- *Blank*
- *Retry*
- *Close*

Blank

I blank the entry is unhandled and will appear in the issue list.

Retry

A retry will reset the status and other process fields allowing the request to go through again.

Close

The request is closed and will not reappear in the issue list. The request is stored for history purposes.

Closed Date	Date a request was closed
Closed by	User name of the person who set the closed status.
Payment Service Provider	System field used for tagging the provider id in the scheduled request.
Last Attempt	System field. This field contains a timestamp for last attempt to successfully send the request. A provider may have limitation to the time gap between retrying a non-successful request. E.g. EPAY specifies 15 minutes targeting the same payment.

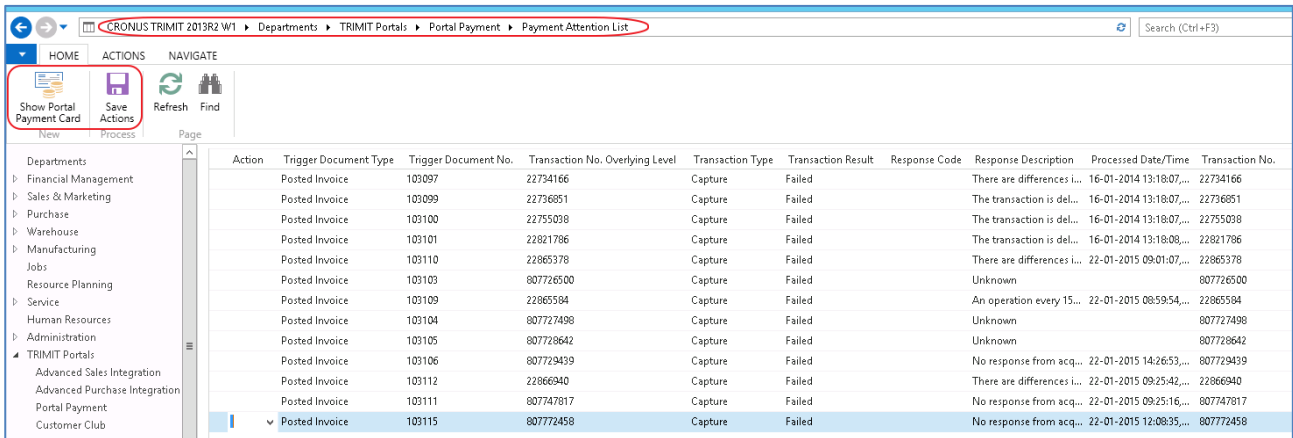
PORTAL PAYMENT ATTENTION LIST PAGE

This page is used for handling issues that have arisen from payment request. It basically gets all Portal payment entries marked as failed and displays them in a list (path in NAV

Departments/TRIMIT Portals/Portal Payment/Payment Attention List).

If called from a specific payment it is filtered on only related issues. If called directly it will display all issues across all payments.

The process is based on temporary records and the window is special because the users actively have to push a **Save Action** button for the transactions updated.



Action	Trigger Document Type	Trigger Document No.	Transaction No.	Overlying Level	Transaction Type	Transaction Result	Response Code	Response Description	Processed Date/Time	Transaction No.
	Posted Invoice	103097	22734166		Capture	Failed		There are differences i...	16-01-2014 13:18:07...	22734166
	Posted Invoice	103099	22736851		Capture	Failed		The transaction is del...	16-01-2014 13:18:07...	22736851
	Posted Invoice	103100	22755038		Capture	Failed		The transaction is del...	16-01-2014 13:18:07...	22755038
	Posted Invoice	103101	22821786		Capture	Failed		The transaction is del...	16-01-2014 13:18:08...	22821786
	Posted Invoice	103110	22865378		Capture	Failed		There are differences i...	22-01-2015 09:01:07...	22865378
	Posted Invoice	103103	807726500		Capture	Failed		Unknown		807726500
	Posted Invoice	103109	22865594		Capture	Failed		An operation every 15...	22-01-2015 08:59:54...	22865594
	Posted Invoice	103104	807727498		Capture	Failed		Unknown		807727498
	Posted Invoice	103105	807728642		Capture	Failed		Unknown		807728642
	Posted Invoice	103106	807729439		Capture	Failed		No response from acq...	22-01-2015 14:26:53...	807729439
	Posted Invoice	103112	22866940		Capture	Failed		There are differences i...	22-01-2015 09:25:42...	22866940
	Posted Invoice	103111	807747817		Capture	Failed		No response from acq...	22-01-2015 09:25:16...	807747817
	Posted Invoice	103115	807772458		Capture	Failed		No response from acq...	22-01-2015 12:08:35...	807772458

For a specific entry that has an issue the user can now use the action to set what should happen. The user can choose the following options in an **Action** column:

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 process 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.

Menu items:

“**Show Portal Payment Card**” will open the payment card.

“**Save Actions**” will save the full list with the actions set for each of the entries.

PORTAL PAYMENT PROVIDERS PAGE

A list page to set up relevant credentials for the connection made to the relevant providers.

Edit - Portal Payment Providers

HOME

New

View List

Edit List

Delete

Show as List

Show as Chart

Notes

Links

Refresh

Clear Filter

Find

Portal Payment Providers

Type to filter (F3)

Provider

→

▼

No filters applied

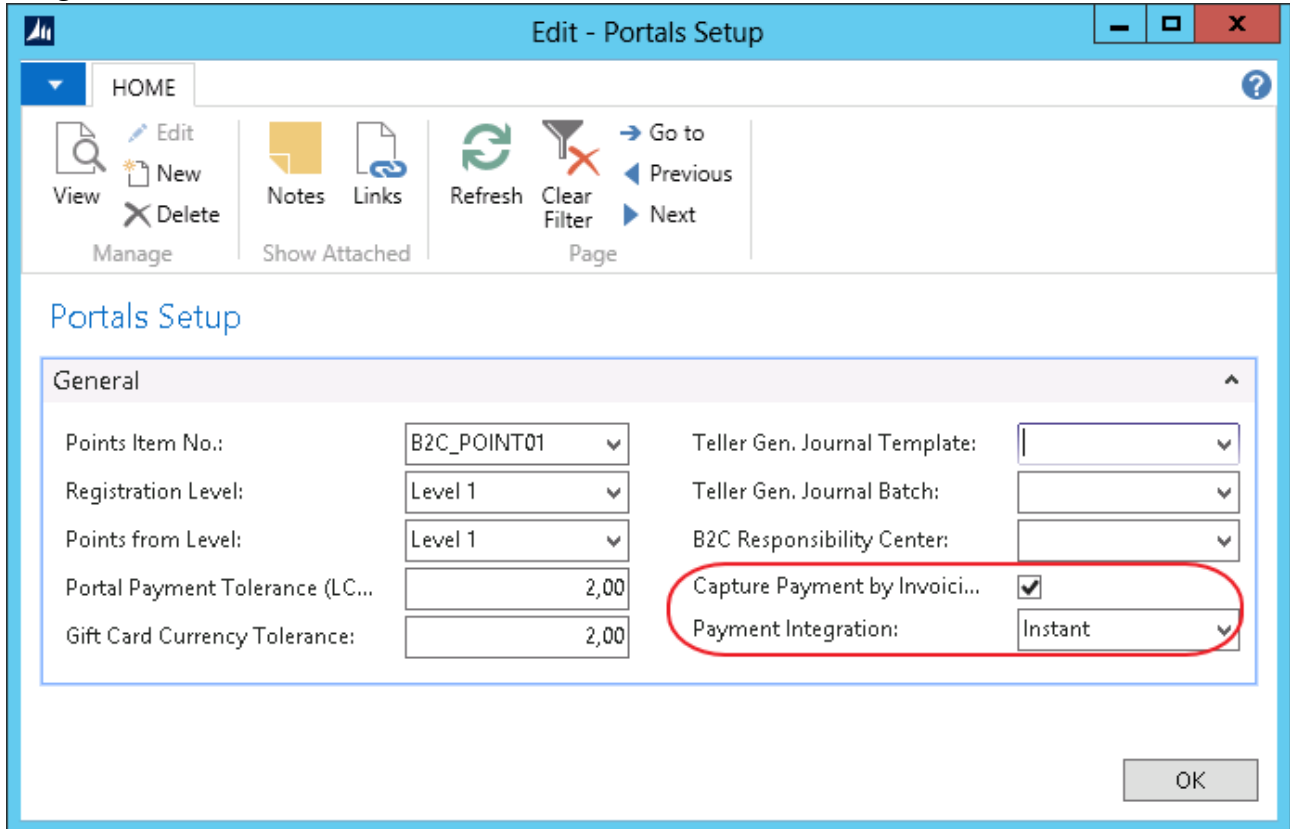
Provider	Description	Merchant Id	User Id	Adgangskode	Payment Key 1	Payment Key 2	Payment terminal
DIBS	▼ DIBS	90052256	testgateway	10000000	4xi2jVMGD^gRZ?nvaQve^TY[F7~*(#~	f+!;~aRZxTKY0Dokb2AAf[Q77^u^]Ea	
EPAY	EPAY	8010775	testgateway	10000000	345345345brbrbrbrb8888scvscs		
ALTAPAY	PENSIO	testgateway	testgateway	10000000	774489349587345		TRIMIT CC Test Terminal

Description of fields

Provider	Providers are DIBS ePay Altapay
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 creates unique keys that are used in the authentication model
Payment Key 2	Some providers creates 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 request. 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.

PORTAL SETUP PAGE

Portal Setup page (path in NAV *Departments/TRIMIT Portals/Setup/Portals Setup*) has got a new Boolean field “**Capture Payment by Invoicing**” and an option field with name “**Payment Integration**”:



Edit - Portals Setup

HOME

View Edit New Delete Manage

Notes Links Show Attached

Refresh Clear Filter Page

Go to Previous Next

Portals Setup

General

Points Item No.: B2C_POINT01

Registration Level: Level 1

Points from Level: Level 1

Portal Payment Tolerance (LC... 2,00

Gift Card Currency Tolerance: 2,00

Teller Gen. Journal Template:

Teller Gen. Journal Batch:

B2C Responsibility Center:

Capture Payment by Invoicing: ☒

Payment Integration: Instant

OK

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:

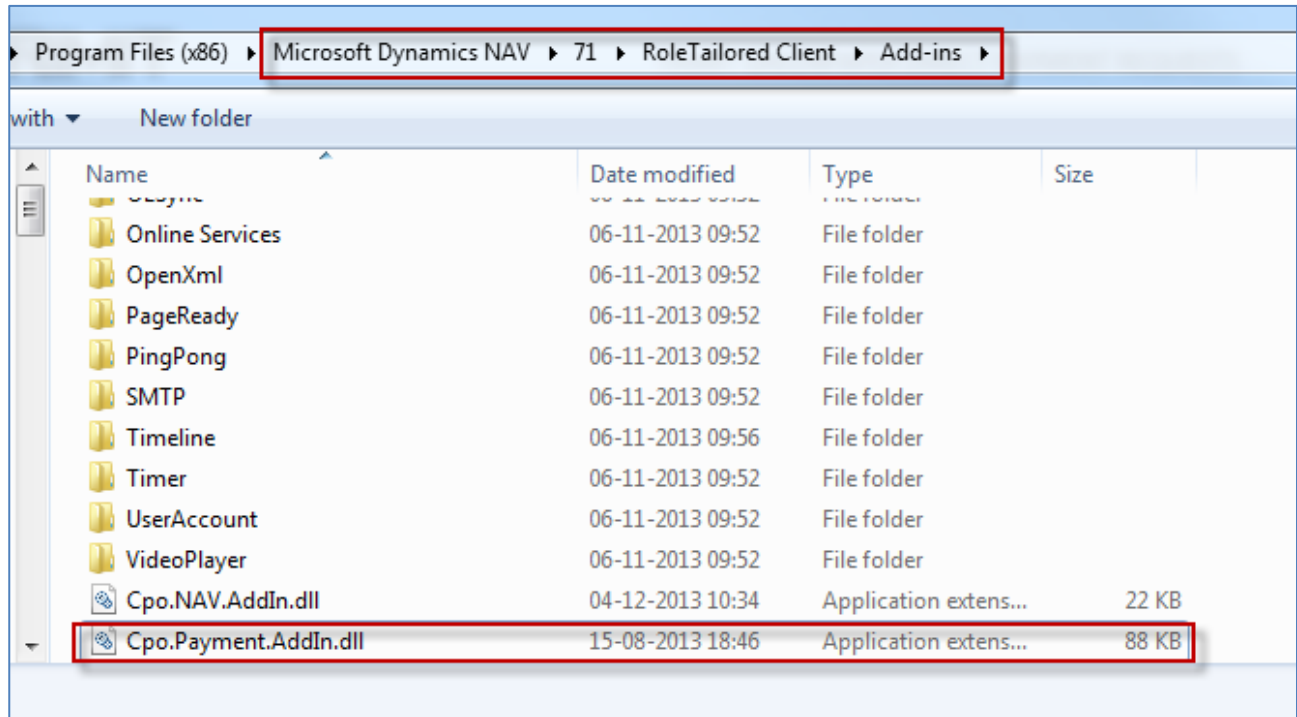
- *Schedule*
- *Instant*

Schedule - will create the entry in the payment tables but await a ConnectPortal schedule to process the request.

Instant – will execute the payment request and validate the attempt right away.

IMPLEMENTATION

The system relies on having access to the TRIMIT .NET component “**Cpo.Payment.AddIn.dll**”. This must be placed in the **Service Tier Add-in** folder as well as any Development client’s Add-in folder that needs to compile the object **Codeunit 6038180 Portal Payment Handling**.



AUTOMATED INTEGRATION

This section will describe the automated integration model concerning payment service provider DIBS, ePay and Altapay.

Find the companies here

www.dibs.dk

www.epay.dk

www.altapay.com

Prerequisites are:

Test partnerships created with the providers.

Applied for allowed split payments and got 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.

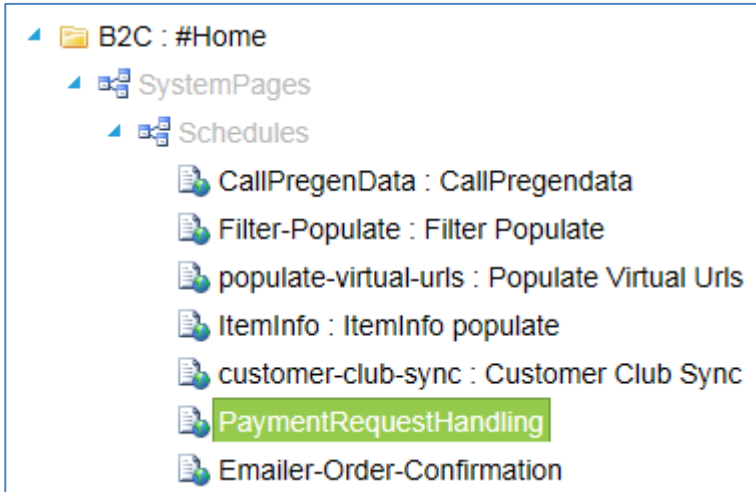
Note, on ePay they do not allow multiple transaction on the same payment within 15 minutes via web service. This means that if you run a capture and a refund in the same scheduled cycle the refund will be denied. And a retry will only be successful after 15 minutes.

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 on a CPO site (in this case a B2C).



The page runs every 1-2 minutes, depending on schedule setup and does the following:

1. Calls NAV via the **"PAYMENT-REQUEST-LIST"** which returns all pending request found on payments.
2. The page cycles the pending request and for each 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 a NAV view **"PAYMENT-REQ-REPLY"** and registers the outcome.

