

Integration between Visma Business and Visma.net AutoPay

This document will explain the basics of the integration between Visma Business version 12.xx/11.xx/10.xx and Visma.net AutoPay.

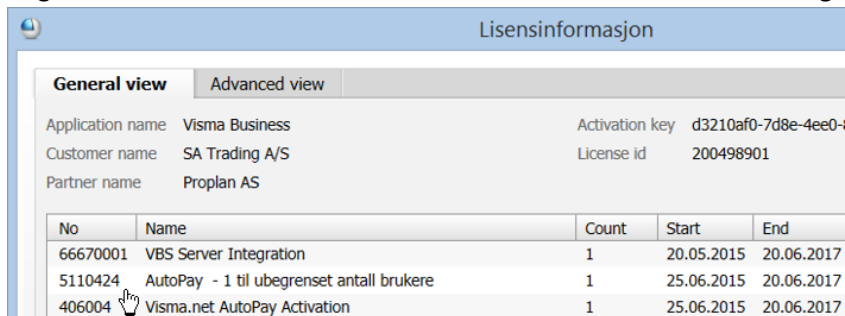
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Before you start

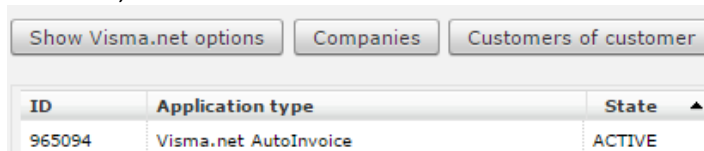
Prerequisites:

- A valid TOS (terms of service) between company and Visma for using Visma.net AutoPay
- Visma Business license should include an article called "**Visma.Net AutoPay activation**". This might differ in the different countries where Visma Business licensing is done!



No	Name	Count	Start	End
66670001	VBS Server Integration	1	20.05.2015	20.06.2017
5110424	AutoPay - 1 til ubegrenset antall brukere	1	25.06.2015	20.06.2017
406004	Visma.net AutoPay Activation	1	25.06.2015	20.06.2017

In license, article no. 406004 often is shown behind the ID below :



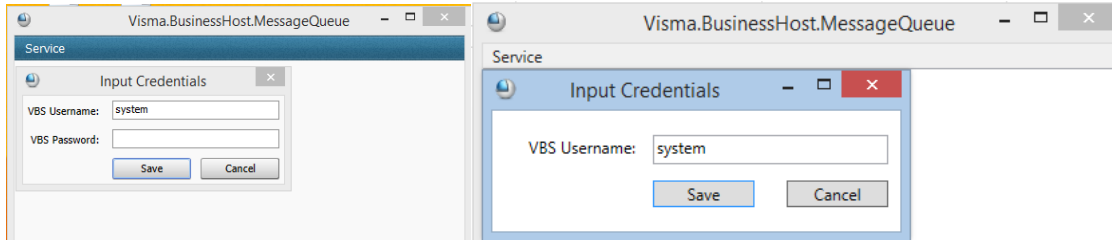
ID	Application type	State
965094	Visma.net AutoInvoice	ACTIVE

- Bank agreement between company and bank, giving AutoPay authority from customer to send the payments and receive settlements and incoming payments to their bank connection.
- Bank send e-mail to AutoPay-central to confirm that agreement is activated at their side. Autopay Central activate bank account and an e-mail is sent to the customer admin to inform.
- "Visma Business Services Host" service is running.
- "Visma On Premises Gateway" service (OPG) is installed and running on same app-server as Visma Business. The username and password to the "Customer Administrator" at Visma.net is entered. This also works if OPG is installed on another machine - in this case make sure OPG is not limited to 'local installation' (when running installer, or later, via config)
- "Visma Business Host for OD MessageQueue" service is installed and running on same app-server as Visma Business. Message queue also require that the service VBS is "up and running". (See section "**Visma.BusinessHost.MessageQueue.exe - the "motor" for automation**").

An installation with Visma Business, OPG and the MessageQueue installed **on the same** application-server will ensure the simplest and fault-proof case.

Installation/setup of Visma Business Message Queue

The installation of Visma Business Message Queue is a part of standard “Visma Business Product Line” installation. For validating, or entering login credentials to Visma Business Service, go to the Visma Business program folder and run the program “Visma.BusinessHost.MessageQueue.exe” as administrator. Select “Credentials” under the “Service” menu. The VBS username is often the “system” user in Visma Business. (In version 10.xx only username is visualized).



Activating Visma.net AutoPay

Activate Visma.net AutoPay for the company, from the “Settings > Companies” tab.

Users | User groups | Roles overview | Integration roles | **Companies** | Licenses | Certificates | E-mail template

Edit company - Autopay 4 - End to End test

Autopay 4 - End to End test

* Company name: Autopay 4 - End to End test

* Country: NORWAY

* Organization number: 0856051-2

* Address: Old Street 12

* Postal code: 1617

* City: Fredrikstad

Email address:

Phone:

Description:

Demo company

Key code: 50FHx9cbE1dHikKcN3bFr59BUp80q3mz

Previous key code: MD0T6ZjOIGsabnAHXGXHUKBdaKHxzmDQ

Last generated: 14/10/2015

Visma.net services

Application	Licensed companies	Remaining companies	Started	Deactivated	Actions
AutoPay	Unlimited	Unlimited	17/06/2015		Deactivate

Integrate Visma Business with Visma.net AutoPay

“Enable Visma.net” processing in Visma Business

(Named “Setup Visma.net message queue” in pre 12.00 versions)

The “Enable Visma.net” processing can be run from either the “System information” table (for handling multiple companies at the same time) or the “Company data” table.

The processing will connect (export/update) Visma Business companies to the “same” Visma.net company (company with the same organisation no.). If the Visma.net company already exists, its details will be updated if needed. Otherwise, a new Visma.net company will be created once you have successfully exported.

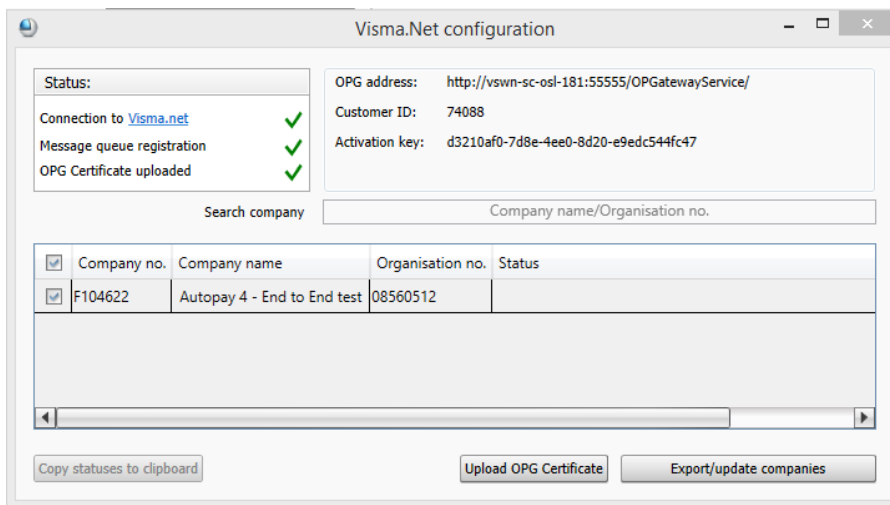
Note! For older version than 11.10.0 this setup must be run from Application server!

In these versions the registration (mapping) of the tunnel and queue in ODP was handled by this process, and the hostname of the machine was used (the queue name has the server's hostname as part of it). This is a one-time operation as long as you don't change your server.

This machine also needs to have the MessageQueue service running locally. Since they should always be 'online', they should be running on the server - the same machine which also has VBS (Business Host) running, since MessageQueue is reliant on it to actually do something when it receives the notifications.

The “Enable Visma.net” processing handles solely exporting of companies, while in older versions (pre 11.10), it was also used for registering the message queue (from ver 11.10, registering of the message queue occurs when the MessageQueue service starts - at each start-up).

This will open up the following dialog:



Status information:

- **Connection to Visma.net** - signals if OPG installation is up and running and can be reached, since it is required for most of the Visma.net integrations (Visma.net Autopay, Visma.net AutoReport).
- **Message Queue Registration** - shows status of the queue used by the Visma.net Autopay and Visma.net AutoReport integrations. This queue is unique for each Visma Business instance and required for receiving and processing automatic notifications (messages).
- **OPG Certificate uploaded** - shows status of whether for the current Visma Business instance the OPG certificate (local and dependant on the OPG installation) has been successfully been uploaded to Visma.net (ODP). The certificate is required for other integrations.

Integration setup:

- **OPG address** - can be configured in the “On Premise Gateway address” column in the “System information” table. Defines the URL pointing to Visma OnPremises Gateway, using the following syntax:

`http://[ServerAddress]:[Port]/OPGatewayService/`

Note! It is not recommended to use IP address as a server name. It is possible to point to a server using only a server name or a full server address with domain

Possible actions:

- **“Export/update companies”** - creates or updates Visma.net companies based on the selected Visma Business companies from the list. Success status can be observed for each company in the Status field, after exporting.
Observations: After export is done, the signing key required for Visma.net Autopay integration is also placed in the correct field in Visma Business. Also, the CompanyID from Visma.net is also written in Visma Business, in the Company table, after this process is completed.
- **“Upload OPG Certificate”** - this is a one-time per instance process required for some Visma.net integrations - **it is not company dependant.**

Additional info - pre 11.xx versions

If running on older versions than 11.xx the connection can only be run for one company at time, and only from the **“Company data”** table. Ensure that OPG address and licence key in Visma Business that appear below is correct and push “OK” button:

Configure MessageQueue installation

Using OPG installation address:
<http://localhost:5555/OPGatewayService/OPGatewayService>
 If incorrect please update value in .config file


Use activation key associated with current Visma Business license

Please enter the license key

Application type

[Start Visma.net web-page](#)

Company import status

 Company F104622 successfully updated.

Result after exporting companies

In Visma.net, “Settings” tab - “Companies” - “Integrated companies” the system present the ERP client in Visma Business and same company in Visma.Net with status = linked ✓

VISMA								
Advisor	Approval	AutoPay	AutoReport	Download	Financials	Master Data Management	Settings	SuperOffice CRM
Users	User groups	Roles overview	Integration roles	Companies	Licenses	Certificates	E-mail template	
Integration companies								
Status <input checked="" type="radio"/> Linked <input type="radio"/> Pending								
Application type name	Integration company name	Organization No	Country	Company	Status			
Visma Business	Autopay 4 - End to End test	0856051-2	Norway	Autopay 4 - End to End test	<input checked="" type="radio"/>			

Autopay 4 - End to End test details

Visma Business company

Company name:

Country:

Organization No:

External Id:

Address:

Postal code:

City:

Email address:

Phone:

Description:

Company

* Company name:

* Country:

* Organization No:

* Address:

* Postal code:

* City:

Email address:

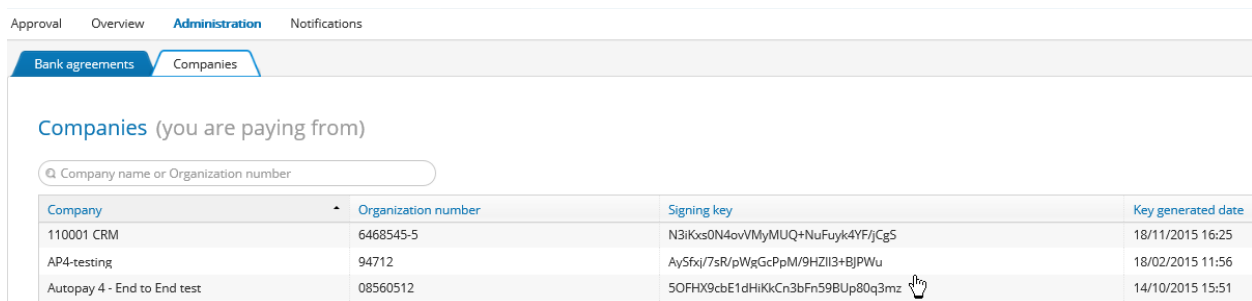
Phone:

Description:

Setup inside Visma Business

Additional prerequisite for pre 11.x versions

From version 11.xx of Visma Business, the value in column “Visma.net AutoPay Signing Key” will be fetched and filled in automatically in Visma Business when running the company export to Visma.net. On version 10.xx you had to switch to the “Administration>Companies” tab and copy the value in “Signing Key” into Visma Business.



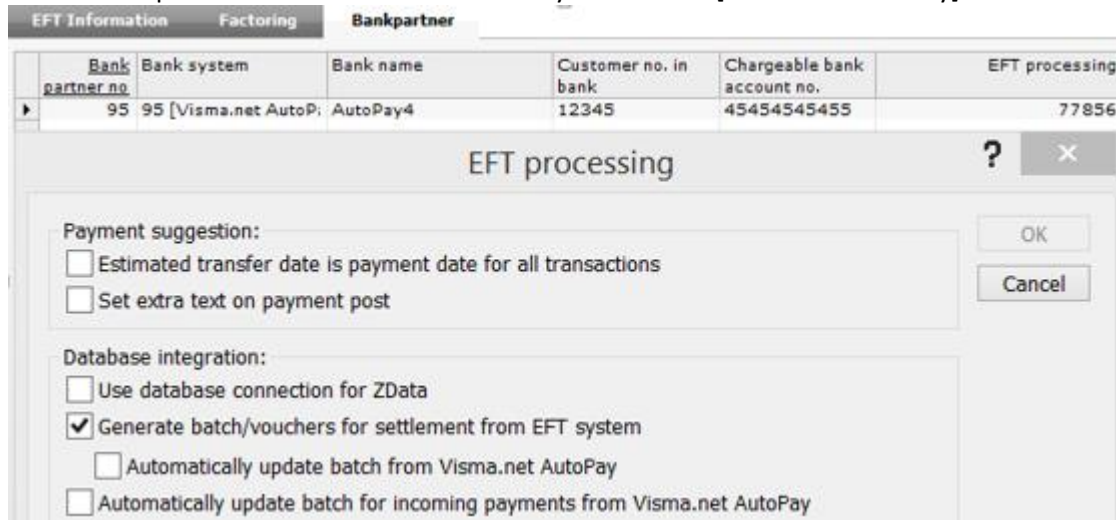
Company	Organization number	Signing key	Key generated date
110001 CRM	6468545-5	N3iKxs0N4ovWMyMUQ+Nufuyk4YFjCg5	18/11/2015 16:25
AP4-testing	94712	AySfxj7sR/pWgGcPpM/9HZiI3+BJPWu	18/02/2015 11:56
Autopay 4 - End to End test	08560512	50FHx9cbE1dHiKkCn3bFn59BUUp80q3mz	14/10/2015 15:51

In the “Company Data” table the values in the two columns below must be identical with values in company info for same company in Visma.Net:

- o “Visma.net AutoPay Signing Key” SQL name “ApSigKey”
- o “Company number” SQL name “BsNo”

Setup of “Bank partner”

In the “Bank partner” table a row with “Bank system” = “95 [Visma.net AutoPay]” must be added:



Bank partner no.	Bank system	Bank name	Customer no. in bank	Chargeable bank account no.	EFT processing
95	95 [Visma.net AutoPay]	AutoPay4	12345	4545454545	77856

EFT processing

Payment suggestion:

- Estimated transfer date is payment date for all transactions
- Set extra text on payment post

Database integration:

- Use database connection for ZData
- Generate batch/vouchers for settlement from EFT system
 - Automatically update batch from Visma.net AutoPay
 - Automatically update batch for incoming payments from Visma.net AutoPay

OK Cancel

“Bank partner” columns:

- “Chargeable bank account no.” - can both be BBAN and IBAN
- “GL ledger bank account” - General ledger bank account used

- “EFT processing” - the option “Generate batch/vouchers for settlement from EFT system” must be marked. Also possible to select option for “Automatically updated batch from Visma.net AutoPay”

Setup for import of incoming payments

If the company also have an agreement with the bank for receiving incoming payments, a service will download new transactions to the correct company in Visma Business. To get these payments correctly posted and matched against the open customer entries, the transactions must be “interpreted” by Visma Business. This is handled by the user through definitions in the “**Factoring Company**” table by giving correct values in “Factoring ID”, the length of customer no. and in invoice no.

Make a new row and define correct values. **IMPORTANT VALUES TO SET :**

Length in Customer no =10

Length in CID reference/invoice no = 9

Start position in CID for Customer no =10

Start position in CID for Invoice no. = 1

IMPORTANT ! Factoring ID = 10;1 (format is start-position customer no; start-position invoice no.)

Factoring firm		OCR/KID	Debt collector	Automatic deduction							
Fact. company r	Name	Fact. processing	Payment processing	Factoring ID	CID cust./supp	CID ref. no. digits	Bank account	OCR bank account no	Voucher series no.	G/L account, banl	
1	OCR definisjon	2	2103296	10;1	10	9	15030798764	2380	310		
2	OCR definisjon	2	2103424		10	9	15030798764	2380	310		

NB! For column “Payment processing” we only consider the following parameters:

? x

Payment processing

CID code generating:

No leading zeros in customer/supp. no.

Length digit

Finnish CID calculation

Invoice No first

Use customer no as CID

Use Invoice no as CID

Payment suggestion:

Remit if giro no

Processing when importing from EFT system:

Prepayment

Update bank account

Generate batch/vouchers for settlement

Control EFT system at payment:

Control CID when importing

Control if invoice no is in the CID field

Only show CID sum

The result of a correct setup will find open customer entries based on match with CID or invoice no. from the VIP-file from Autopay (incoming payments) and make postings like this:

Normal		Invoice	Invoice currency	Bank	Bank currency	Payments		
	Voucher no.	Voucher date	Vouc type	Text	Debit account	Credit account	Amount	CID code
▶	310014	24.03.2015	1	BankRef:79745046		10005	20 000,00	00100019900000100055
	310014	24.03.2015	1	BankRef:79745046		10006	22 500,00	00100020000000100069
	310014	24.03.2015	1	BankRef:79745046	2380		42 500,00	

Setup inside Visma.net AutoPay

Assigning AutoPay roles

Roles for Visma.net AutoPay (e.g. accountant, approver or administrator) must be assigned to users. Re-login after assigning roles, in order to update AutoPay information in ODP.

The screenshot shows the 'Edit User' page in Visma.net. The top navigation bar includes 'VISMA', 'Advisor', 'Approval', 'AutoPay', 'AutoReport', 'Download', 'Financials', 'Master Data Management', 'Settings', and 'SuperOffice CRM'. Below the navigation, there are tabs for 'Users', 'User groups', 'Roles overview', 'Integration roles', 'Companies', 'Licenses', 'Certificates', and 'E-mail template'. The main content area is titled 'Edit User' and is divided into several sections: 'Basic information' (Email: Per.Jorgen.Karlsen@visma.com, First Name: Per Jorgen, Last Name: Karlsen), 'Select administrator roles' (Business contact, Customer administrator, Primary contact), 'User groups' (VUD-ODP role, VUD-ODP-Ashah), and 'Select company application roles' (All active companies, Show only active companies). The 'AutoPay' section is expanded, showing five sub-tabs: 'AutoPay Accountant', 'AutoPay Administrator', 'AutoPay Approver', 'AutoPay Payroll Access', and 'AutoPay Uploader'. Each sub-tab has a 'Licensed: Unlimited' indicator and a list of roles with checkboxes. The 'Autopay 4 - End to End test' role is checked in all sub-tabs.

Creating Bank agreement

Ensure correct company (above in right corner) and go to tab **AutoPay**.

Choose subtab **“Agreements”** and press **“New”**. In the example below, two bank agreements are made for two different bank accounts.

The screenshot shows the 'Liste over registrerte bankavtaler' (List of registered bank agreements) page in Visma.net. The top navigation bar includes 'VISMA', 'Home', 'Admin', 'Approval', 'AutoPay', 'AutoReport', 'Financials', 'Licensing', 'Master Data Management', 'Settings', and '...'. The user's name and email are shown in the top right corner: 'Per.Jorgen.Karlsen@visma.com' and 'Autopay 4 - End to End test'. The main content area is titled 'Liste over registrerte bankavtaler (for kommunikasjon med bank(er))'. There is a search bar with the placeholder text 'Beskrivelse eller kontonr'. A green button labeled 'Ny avtale...' is located in the top right corner. Below the search bar is a table with the following data:

Beskrivelse	Kontonummer	Aktiv	Endre
Autopay 4 - End to End test	NO2016025850800	<input checked="" type="checkbox"/>	✎
Autopay 4 - End to End test	45454545455	<input checked="" type="checkbox"/>	✎

When entering an agreement, information like the ones below is summed up. You also enter number of approvers and email addresses for notifications etc. Some columns only appear for some banks, because of the bank requirements!

Velg Bank Kontoinformasjon Betalingsinformasjon Velg tjenester **Sammendrag**

Sammendrag avtaleinformasjon

Selskap	Autopay 4 - End to End test	Betalers navn	PJK
Kontonummer	454545455	Aktive tjenester	Utgående betalinger
Beskrivelse	Autopay 4 - End to End test		Avtalegiro
Land	Norge		Innkommende betaling
Bank	Danske Bank		
Format			
Valutakode	NOK		
ERP Valutakode	NOK		

1. Define Currency and ERP currency for bank account
2. Define "Debtor name" and person in contact e-mail list for messages from Autopay
3. Mark option "active" for downloading from bank and for outgoing payments

Use of Visma Business integration to Visma.net AutoPay

Export of outgoing payments

When a payment suggestion (remember to use the bankpartner (95)) is made for Visma.net Autopay, one or multiple rows in the table “Payment lines” are created.

The screenshot shows the 'Create payment suggestion' dialog box. The fields are as follows:

- Up-to-date per date: 17.05.2015
- Transmission date: 11.05.2015
- Max amount: (empty)
- Payment number: New payment estimate
- Bank partner: 95. AutoPay4
- Use bank partner from supplier (customer):
- Generate payment only for selected bank partner:
- Ignore cash due date:

These payment lines are connected to a common payment number in the “Payment” table. They all have status “1 [Estimate]” and are ready for uploading by the user.

The screenshot shows the 'Payment' table with the following data:

Pay-ment no.	Bank partner no.	Created by user	Transf. date	Estimated transf. date	Payment status	To day-seq. no.
25	95	system	11.05.2015	11.05.2015	1 [Estimate]	

The context menu is open, showing the following options:

- Processing
 - Setup of EFT system
 - Upload data
- Current report
- Cut (Ctrl+X)
- Copy (Ctrl+C)

An upload response will appear when uploading. From ver. 11.00 the user are redirected directly to Visma.net Autopay log-on site.

The screenshot shows the 'Upload response' dialog box with the following data:

ERP Reference	Debtor Iban
VB 25	NO3315030798764

The status of the payment and payment lines are changed to “8 [Transferred to EFT system, not to bank]”.

NB! In tabs with purpose to show all payment lines with status “Not settled”, remember to modify the selection to this tab so the Payment line status “8” (transferred to EFT system, not to bank) is included.

Supplier	Customer	Send payment	Download data	Not approved payments	Not settled			
<u>Payment no.</u>	Paym. line status	Sup. no.	Name	Bank account	Actual amount	Amount in currency	Recipient reference	Estimate date
25	8 [Transferred to EFT system]	50015	Odyssey	61051256033	-1 000,00	-1 000,00	780223	11.05.2015

From the moment the OK-button is pushed, the transactions are exported to Visma.net.Autopay, for approving. From this action is taken, Autopay will take care of all the transaction handling for the payment lines and push the payments to the different banks with correct receivers.

An automated service will monitor changes in Visma.net Autopay and update the payment line in Visma Business with statuses like “settled, rejected or cancelled”. If status “settled”, the system will generate the batch/vouchers in journal entry to the correct company and match the correct open supplier entries.

Tab “Approval” in Visma.net Autopay

The payment line we uploaded to Autopay are now presented in the tab “Approval” at the same company in Visma.net Autopay. “Approve” the batch with your payment(s) or cancel if regret.

Tab “Overview” in Visma.net Autopay

Relevant information as : “**created on, ref/payment no. , status, number of transactions, due dates and amount in batch**” are listed. This table will after a while contain a lot of batches/rows with different payment numbers.

Ref.	From account	Created	Due	Rem appr.	#Trans.	Total amount	Status
VB 214	4545454555 - Autopay 4 - End to End test	22/03/2017 14:26	22/03/2017	1	1	1,000.00	New
VB 162	4545454555 - Autopay 4 - End to End test	20/06/2016 13:00	20/06/2016	0	3	6,228.57	Completed
VB 156	4545454555 - Autopay 4 - End to End test	30/05/2016 14:35	30/05/2016	0	3	8,000.00	Completed
VB 127	4545454555 - Autopay 4 - End to End test	16/02/2016 10:06	16/02/2016	0	1	1,000.00	Completed
VB 99	4545454555 - Autopay 4 - End to End test	30/11/2015 12:41	30/11/2015	0	1	114.29	Completed
VB 88	NO2016025850800 - Autopay 4 - End to End test	13/10/2015 14:07	13/10/2015	0	3	900.00	Completed

Use the advanced search functionality to find your target!

Simple search
 Advanced search

During the last:

From account:
 Created on:

To account:
 Due:

Amount from: to:

Created On	Ref	Debtor Name	Account	Type
May 11, 2015 4:44:05 PM	VB 25	Annelize test VB (NO)	15030798764 - Banking VB Company (NO) not 2FA	Currency Credit Transfer

If one or several of the transactions from payment suggestion is deficient, Visma.net will set the total batch to status "Cancelled". Based on the information that make the cancellations, the user have to do necessary changes before making new payment suggestion.

When the payment lines are settled in the bank, the background service "message queue" will update the payment line status automatically to: "settled".

Payment

Payment no.	Bank partner r	Estimated transf. date	File name for bank	Payment status	Payment type	EFT currency
25						
▶ 25	95	11.05.2015		8 [Transferred to EFT system, not to bank]	1 [Remittance]	

Payment line

Line no.	Amount in currency	Amount	Paym. line status	Sup. no.	Estimate date	Bank account
▶ 1	-1 000,00	-1 000,00	5 [Settled]	50015	11.05.2015	61051256033

A status change to "settled" will automatically call the function "Create batch" and the journal entry will be automatically updated with the correct debit account and the credit bank account (fetched from bankpartner). The affected open supplier entries are matched.

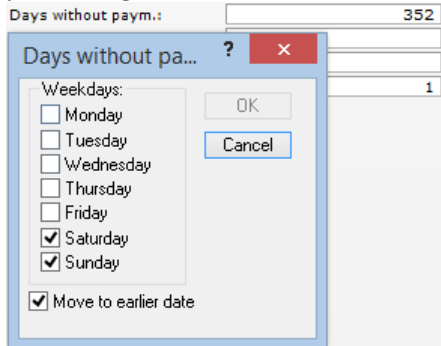
NOT Updated batches		Print of NOT updated batches		Updated batches		Search for vouchers		Search w./ cross ref.	
Batch no.	Value date	Voucher series r	Text	Suspended	Total debit	Total credit	Difference	Origin	Changed by user
▶ 12	11.05.2015	300	Remitting		1 000,00	1 000,00	0,00	7 [Direct remittance]	system

Normal	Invoice	Invoice currency	Bank	Bank currency	Payments						
Voucher no.	Voucher date	Voucher type	Text	Debit account	Debit VAT c	Credit account	Credit VAT c	Amount	Bank amount	Cross reference	Additional text
▶ 300014	16.05.2015	1	EBF 16.05.2015	50015				1 000,00		780223	
300014	16.05.2015	1	Bank			1930		1 000,00			

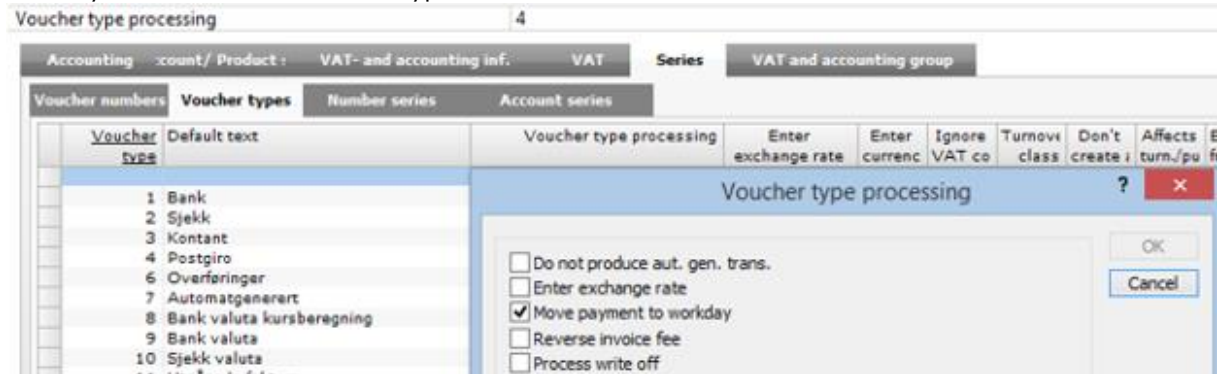
Days without payments

To take control of payments with due dates falling into the week-end and non-process dates in bank, Visma Business have settings that will adjust the debit date if wanted. The purpose is that due date of open supplier entries will be handled properly and the reconciliation of bank will be correct.

In the table “Company data” and column “Days without payments” you can mark the days without processing in bank. Choose whether you want payment dates before or after the payment free days:

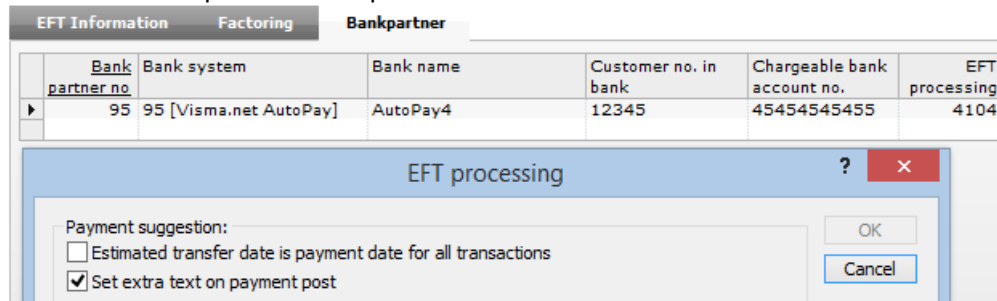


In table “voucher types” and column “Voucher type processing” mark the option “Move payment to workday” on the relevant voucher types:



Payment description from column “Extra text” (unstructured payments)

When description of payment is entered in column “Extra text” instead of using columns for CID or invoice no. the option on bankpartner below have to be set:



Payment line

Line no.	Currency no.	Expected exch. rate	Amount in currency	Amount	Paym. line status	Sup. no.	Debit date	Actual amount	Text line	Recipient reference
1	47	100	-20 000,00	-20 000,00	2 [Transferred]	51000	23.08.2016	-20 000,00	Explaining of payment to receiver	66666666

Handling of bank fee/charges

Below the relevant and legal EFT bank fee codes are listed (copied from helpfile):

The EFT VAT code for the supplier is used to set up the processing of bank fees when performing a remittance. The following values are valid:

Value	Domestic	International
0. &Standard	OUR	BEN
1. Pays all fees	OUR	OUR
2. Domestic fee OUR BEN	OUR	BEN
3. International fee BEN OUR	BEN	OUR
4. No fee BEN BEN	BEN	BEN

The value in the **EBF avg.kode** field will be copied from the associate to the voucher lines and then transferred to open supplier entries. When you generate a payment proposal, the value will be transferred to the "International costs" field in the **Betalingslinje** table and taken into account in connection with remittancing. If the payment line has the value "0. Default" in the **EBF avg.kode** field and Bank Partner has a value from 1-4 in the **Std. EBF avg.kode** field, the value of bank partner will apply.

Visma.net AutoPay and Visma AutoPay will copy the **Tekst** field from **Tekst** table into **Utenl. omk.** field in **Betalingslinje** table. If text does not exist, or **Numerisk omkostningskode** is selected in **EBF-behandling**, the numeric value from **EBF avg.kode** will be copied instead.

Those of them that are used must be entered as "Text type 130" in the text table at the companies language no.

Text

General		Free text	Payment terms
Language no.	Text type	Text no.	Text
▶	130		
47	130	1	0
47	130	2	1
47	130	3	2
47	130	4	3
47	130	5	4

Put the correct "EFT bank fee code" permanent at the supplier, at the bankpartner or directly at the voucher line.

Voucher no.	Voucher date	Vour type	Text	Debit account	Debit VAT code	Credit account	Amount	Invoice no.	EFT bank fee code
30322	08.05.2017	21	Inngående faktur	4000	1	51011	8 750,00	1	[0]
30323	08.05.2017	21	Inngående faktur	4000	1	51011	9 625,00	2	[1]
30324	08.05.2017	21	Inngående faktur	4000	1	51011	10 500,00	3	[2]
30325	08.05.2017	21	Inngående faktur	4000	1	51011	11 375,00	4	[3]
30326	08.05.2017	21	Inngående faktur	4000	1	51011	12 250,00	5	[4]
▶ 30327	08.05.2017	21	Inngående faktur	4000	1	51001	2 000,00	1	[0]
30328	08.05.2017	21	Inngående faktur	4000	1	51001	2 200,00	2	[1]
30329	08.05.2017	21	Inngående faktur	4000	1	51001	2 400,00	3	[2]
30330	08.05.2017	21	Inngående faktur	4000	1	51001	2 600,00	4	[3]
30331	08.05.2017	21	Inngående faktur	4000	1	51001	2 800,00	5	[4]

Below we have manually entered the result of chargebearer that was produced in Pain001-file based on the value in column "Foreign cost" (that is a result of value from "EFT bank fee code" entered at the voucher line).

Payment line										
Line no.	Currency no.	Amount in currency	Amount	Paym. line status	Sup. no.	Estimate date	Debit date	Actual amount	Foreign cost	Charge bearer result in Pain001-file
▶ 1	999	-1 000,00	-8 750,00	8 [Transferred to EFT	51011	08.05.2017	08.05.2017	-8 750,00	0	SHAR
2	999	-1 100,00	-9 625,00	8 [Transferred to EFT	51011	08.05.2017	08.05.2017	-9 625,00	1	DEBT
3	999	-1 200,00	-10 500,00	8 [Transferred to EFT	51011	08.05.2017	08.05.2017	-10 500,00	2	SHAR
4	999	-1 300,00	-11 375,00	8 [Transferred to EFT	51011	08.05.2017	08.05.2017	-11 375,00	3	DEBT
5	999	-1 400,00	-12 250,00	8 [Transferred to EFT	51011	08.05.2017	08.05.2017	-12 250,00	4	CRED
6	47	-2 000,00	-2 000,00	8 [Transferred to EFT	51001	08.05.2017	23.05.2017	-2 000,00	0	SHAR
7	47	-2 200,00	-2 200,00	8 [Transferred to EFT	51001	08.05.2017	23.05.2017	-2 200,00	1	DEBT
8	47	-2 400,00	-2 400,00	8 [Transferred to EFT	51001	08.05.2017	23.05.2017	-2 400,00	2	SHAR
9	47	-2 600,00	-2 600,00	8 [Transferred to EFT	51001	08.05.2017	23.05.2017	-2 600,00	3	DEBT
10	47	-2 800,00	-2 800,00	8 [Transferred to EFT	51001	08.05.2017	23.05.2017	-2 800,00	4	CRED

Recommendation


A request should be done to the bank, asking them to send a monthly invoice of all fees connected to your payments!

Autopay - Logs


On "ProgramData" on the application server (as the example shows below) logs are created for the traffic between Visma Business and Visma.net Autopay. These logs might be at local/client computer if transactions are manually downloaded, and NOT fetched automatically by service "Message queue"

OSDisk (C:) > ProgramData > Visma > Data > Business > F104622 > Visma.net AutoPay


When exporting payments from Visma Business to Autopay the following "log" files are created:

Name	Date modified	Type
 up_response_20160429_080653.txt	29.04.2016 08:06	Text Document
 out_payment_VismaOutgoingPayment11_20160429_080652.xml	29.04.2016 08:06	XML File
 up_request_20160429_080652.txt	29.04.2016 08:06	Text Document

When status changes happens at exported payments in Visma.net Autopay the payment lines in Visma Business are updated by message queue service and the following extensions are created:

Name	Date modified	Type
 status_change_report_20160216_104609.xml	16.02.2016 10:46	XML File

For incoming payments, updated by message queue service, the following extensions are created:

Name	Date modified	Type
 incoming_payment_25_20150330_153500.xml	30.03.2015 15:35	XML File

Visma.BusinessHost.MessageQueue.exe - the “motor” for automation

The automation between Visma.net Autopay and Visma Business is based on the Microsoft service for message queuing. An allocated and “private” Visma.Business.queue is created for handling the traffic between the systems.

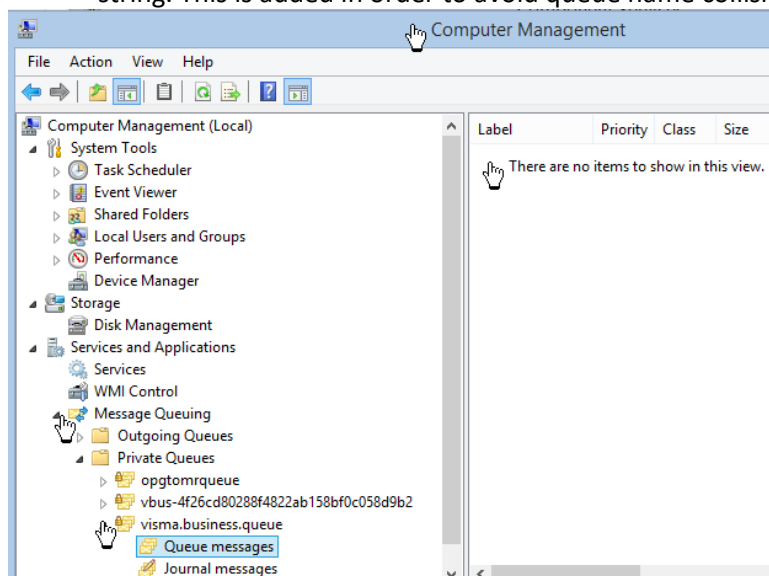
In the structure below (directed from Control panel\Computer management\ Services and applications\Services) the **visma.business.queue** appear in the *Private queues* of Message queuing. This queue is unique for each Visma Business instance and required for receiving and processing automatic notifications (messages).

When is the queue created and registered?

- For Visma Business 11.10 onwards: Creation of the queue is automatic and handled entirely by the Visma.BusinessHost.MessageQueue service at start-up. At each restart or start-up phase, the service checks connectivity, creates a new queue if necessary and registers the queue towards Visma.net, so that the Visma.net integrated services can communicate with the Visma Business instance.
- For pre 11.10 versions: Creation and registration of the queue is done in the “Setup Visma.net MessageQueue” dialog. Check above notes.

Queue name formats:

- In pre 11.10 versions, the queue names contained only “visma.business.queue”.
- 11.10 onwards: Queue follow the pattern “vbus-[GUID]” where the GUID is a unique character string. This is added in order to avoid queue name collisions in Visma.net.




Flow when receiving a notification from a Visma.net service

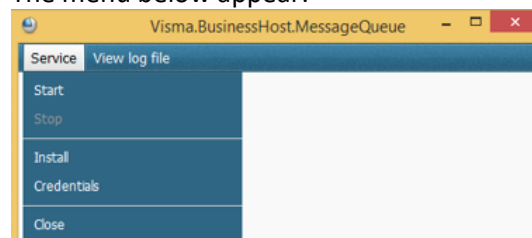
1. The Visma.net service sends a notification (message) for a certain Visma.net company
2. Because the Visma Business company is linked to a certain Visma.net company, the notification is directed to the queue associated with the VB instance which handles that company
3. Notification arrives on the local machine on OPG side and is moved/translated by OPG on the Visma Business private queue
4. The Visma Business Message Queue service listens for changes on the local private queue (vbus-[GUID] name format) mentioned in 3)
5. The Visma Business Message Queue calls VBS depending on what message it picks up and tries to handle - most of the time trigger running of some VB processings
6. VBS via the underlying Vbus.exe process triggers logic which download incoming files, update statuses etc.

Troubleshooting, if Message Queue don't run properly

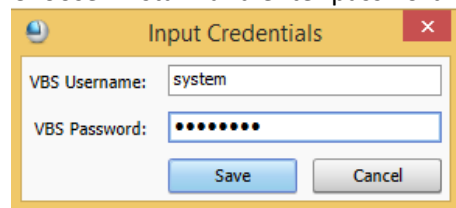
Before beginning, the services VBS and On Premise Gateway should have status running. At Visma Business folder on application server, set focus on the file below and right-click and choose "Run as administrator".

Name	Date modified	Type	Size
 Visma.BusinessHost.MessageQueue	02/09/2016 11:18	Application	221 KB

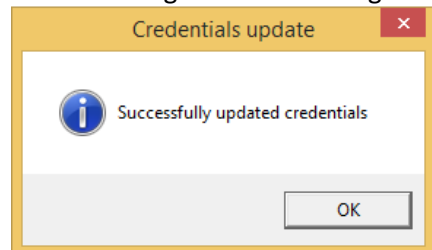
The menu below appear:



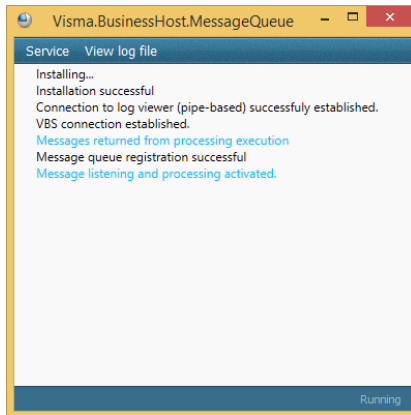
Choose "Install" and enter password to VBS username:



Validation is given when saving:



Status "Running" is set in the right corner:



From now the message queue will listen to relevant changes and update the payment rows in Visma Business automatically with correct status. It will also listen for incoming payments to import.

For further testing, a payment can be exported to Visma.net Autopay, and be cancelled by the user. This action will be caught by message queue and you can see in the console above that MQ is responding after a while. Look also into the choice "View log files". **It may take some time, so don't worry if status change isn't reported immediately this first time!**