



Be2bill

Integration Guide

Version 6.2.2

As of: 29.03.2018

Table of Contents

About Be2bill	4
General information about Be2bill	4
Process flow charts	5
Configuration for Be2bill	6
Paygate interface	7
Definitions	7
Credit card payment with Be2bill LatAm via Paygate form interface.....	8
Credit card payment via Server-to-Server connection.....	11
Capture of a credit card payment with Be2bill	14
Credit with reference.....	14
Reversal	15
Batch processing via the interface.....	17

Document history

Date	Name	Change
29.03.2018	Peter Posse	CustomerID added for S2S
04.10.2016	Peter Posse	First version

ABOUT BE2BILL

General information about Be2bill

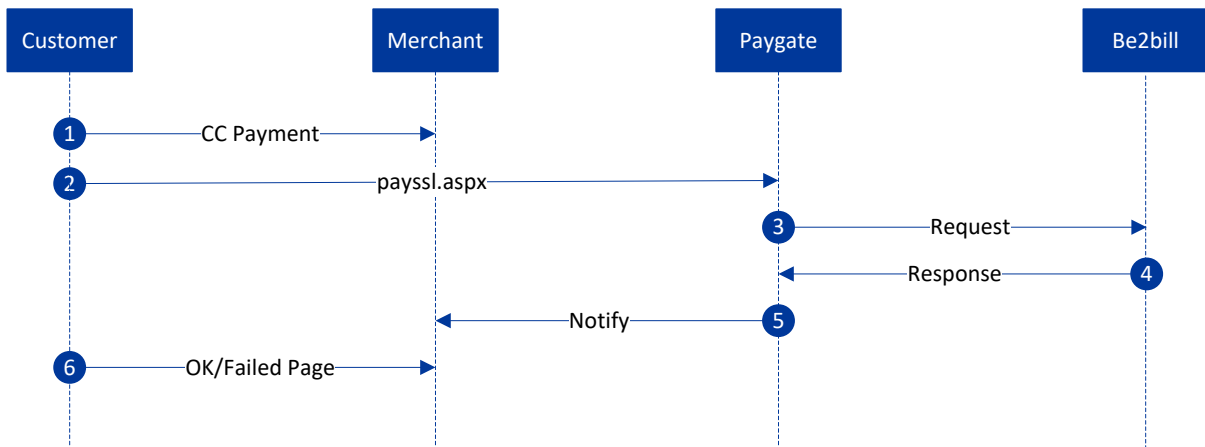
With the connection of the French acquirer be2bill, merchants who are active in France have a powerful alternative for the selection of acquirer. As well as VISA and Mastercard credit cards, Paygate also handles payments made with the extremely widespread Cartes Bancaires via this partner. Be2bill offers online merchants a "3-in-1" solution for the management of its online payments including bank and payment services, internet-based marketing and solutions for increasing customer loyalty.

Credit card payments via be2bill can be made with or without 3D-Secure. For 3DS transactions, be2bill offers its own fraud prevention service which determines whether 3D authentication is needed. Along with one-off payments, be2bill also offers payment by instalment, recurring payments and one-click payments.

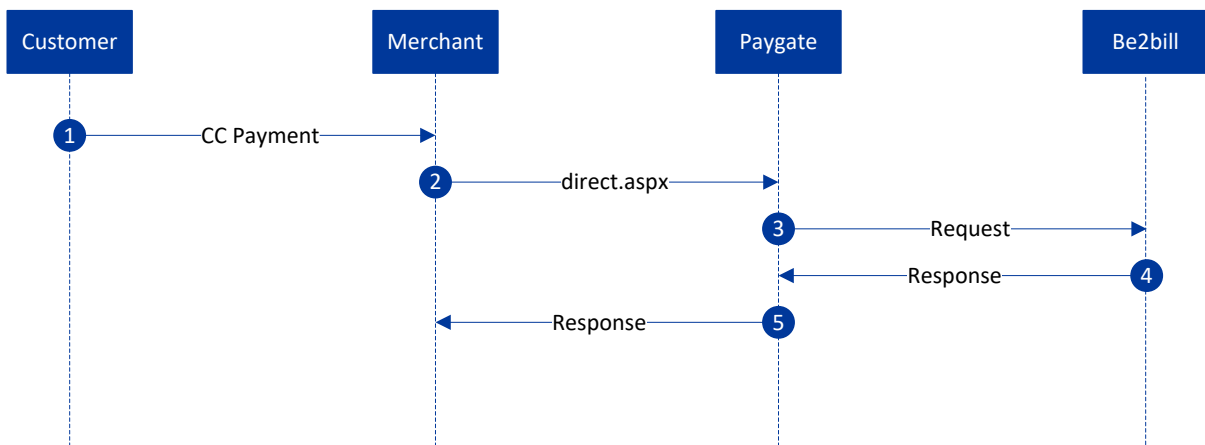


Be2bill is specially optimized for the "Cartes Bancaires" credit cards which is widely used in France.

Process flow charts



Be2bill process flow via the form interface



Be2bill process flow via server-to-server-communication

CONFIGURATION FOR BE2BILL

To set up Be2bill the merchant needs to save the required Paygate interface URLs in the backend. Each of these is a "Transaction feedback URL":

<https://www.computop-paygate.com/Be2billComplete.aspx>

and for "Redirection URL after payment form or 3DSECURE processing" and "Redireciton URL after payment form cancelling" respectively:

<https://www.computop-paygate.com/cbBe2bill.aspx>

FEEDBACK URLS	
Transaction feedback URL	<p><i>You should configure this URL to get notified for each transaction result.</i></p> <input type="text" value="https://www.computop-paygate.com/Be2billComplete.aspx"/>

REDIRECTION URLS	
Redirection URL after payment form or 3DSECURE processing	<p><i>This URL is used to redirect the cardholder to your site after a succeeded or failed form transaction or after a 3DSecure authentication.</i></p> <input type="text" value="https://www.computop-paygate.com/cbBe2bill.aspx"/>
Redirection URL after payment form cancelling	<p><i>This URL is used to redirect the cardholder to your site in case he clicks the cancel link on the payment form page. This url should not be configured with variables.</i></p> <input type="text" value="https://www.computop-paygate.com/cbBe2bill.aspx"/>

PAYGATE INTERFACE

Definitions

Data formats:

Format	Description
a	alphabetical
as	alphabetical with special characters
n	numeric
an	alphanumeric
ans	alphanumeric with special characters
ns	numeric with special characters
bool	boolean expression (true or false)
3	fixed length with 3 digits/characters
..3	variable length with maximum 3 digits/characters
enum	enumeration of allowed values
dtm	ISODateTime (YYYY-MM-DDDhh:mm:ss)

Abbreviations:

Abbreviation	Description
CND	condition
M	mandatory
O	optional
C	conditional

Notice: Please note that the names of parameters can be returned in upper or lower case.

Credit card payment with Be2bill LatAm via Paygate form interface

Payments with Be2bill are made via the standard Paygate form interface for credit card payments. In order to execute an SSL credit card payment with Be2bill via a Paygate form, visit the following URL:

<https://www.computop-paygate.com/payssl.aspx>

Notice: For security reasons, Paygate rejects all payment requests with formatting errors. Therefore please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
TransID	ans..40	M	TransactionID which should be unique for each payment. Matches the Be2bill OrderID.
RefNr	ans..30	M	Unique reference number. The RefNr is submitted together with the PayID and separated by to Be2bill within the parameter ExtraData: PayID RefNr.
Amount	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
URLSuccess	ans..256	M	Complete URL which calls up Paygate if payment has been successful. The URL may be called up only via port 443 This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData .
URLFailure	ans..256	M	Complete URL which calls up Paygate if payment has been unsuccessful. The URL may be called up only via port 443 This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData .
Response	a7	O	Status response sent by Paygate to URLSuccess and URLFailure , should be encrypted. For this purpose, transmit Response=encrypt parameter.
URLNotify	ans..256	M	Complete URL which Paygate calls up in order to notify the shop about the payment result. The URL may be called up only via port 443 It may not contain parameters: Use the UserData parameter instead. Alternatively the payment status can be queried via inquire.aspx.
CreditCardHolder	an..255	M	Name of the card holder
Capture	an..6	O	Determines the type and time of capture. AUTO : capturing immediately after authorisation (default value). MANUAL : capturing made by the merchant. <Number> : Delay in hours until the capture (whole number; 1 to 696). For transactions with Hipercard only AUTO is possible.
OrderDesc	ans..768	M	Description of purchased goods, unit prices etc.
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
ReqID	ans..32	O	To avoid double payments, enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction is submitted again with the same ReqID, Paygate will not carry out the payment, but will just return the status of the original transaction.
Language	a2	O	Language: FR / EN / DE / ES / IT / NL / CN / RU / PT / CZ
CustomerID	ans..255	M	Unique ID of card holder on the merchant's webpage (e.g. the ID inside the customer database or the email address of the customer)

Email	ans..255	M	Email address of the card holder
ChDesc	ans..255	O	Source URL of the merchant or the shop system
DateOfBirth	dtm10	O	Date of birth of the card holder: YYYY-MM-DD
InstallmentAmount	ans..1024	O	Amount of single instalments. The rate values are to be separated by comma and the first rate must have the highest value. e.g.: 200,100,100
InstallmentAmount	ans..1024	C	In combination with InstallmentAmount: Date when the rates are to be collected. The date details must be comma-separated and specified in the UTC time zone (coordinated universal time). The time period from the first instalment to the last instalment also needs to be within a maximum 90 days. e.g.: YYYY-MM-DD,YYYY-MM-DD,YYYY-MM-DD
UserAgent	ans..128	O	Browser type of the purchaser who requests the page. For example: IE Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.0; NET CLR 1.0.3705)
Plain	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID
Custom	ans..1024	O	The merchant can submit several values separated by which are returned unencrypted and separated by &. Custom=session=123 id=456 will change in the answer to Session=123&id=456
Delivery address			
sdFirstName	as..15	O	First name in the delivery address
sdLastName	as..30	O	Last name in the delivery address
sdStreet	ans..50	O	Number and street in the delivery address
sdZIP	ans..9	O	Postcode in the delivery address
sdCity	ans..255	O	Town/city in the delivery address
sdCountryCode	a..3	O	Country code in the delivery address, 2 or 3 characters according to ISO 3166
sdPhone	ans..32	O	Telephone number in the delivery address
Invoicing address			
bdFirstName	as..15	O	First name in the invoicing address
bdLastName	as..30	O	Last name in the invoicing address
bdStreet	ans..50	O	Number and street in the invoicing address
bdZIP	ans..9	O	Postcode in the invoicing address
bdCity	ans..255	O	Town/city in the invoicing address
bdCountryCode	a..3	O	Country code in the invoicing address, 2 or 3 characters according to ISO 3166
bdPhone	ans..32	O	Phone number in the billing address
Subscriptions			
RTF	a1	O	For recurring payments: I = Initial payment of a new subscription R = Routine payment (Recurring)
TokenExt	an..32	OC	In connection with RTF=R TokenExt must be transmitted for referencing the credit card data

Parameters for credit card payments with Be2bill

To adapt the layout of the SSL-page to your shop you can use the following unencrypted parameters to configure colours, fonts and images.

Parameter	Format	CND	Description
Template	ans..20	M	Name of XSLT-file with your own layout for the pay form. If you want to use the redesigned and downwards compatible Computop template, please transfer the template name "ct_compatible". If you want to use the responsive Computop template for mobile devices, please transfer the template name "ct_responsive".
Background	ans..256	M	Background ambiance of form: URL for a background image - HTML-colour value for background colour as HEX value or - HTML-colour name
BGColor	ans..7	M	Form background colour: - HTML-colour value for background colour as HEX value or - HTML-colour name
BGImage	ans..256	M	Form background image: URL for a background image Please note that this value supersedes "BGColor".
FColor	ans..6	M	Text colour: - HTML-colour value as HEX value or - HTML-colour name
FFace	a..10	M	HTML-name for the font
FSize	n2	M	Number for font size
Language	a2 (enum)	M	Language code: <de> German, <al> Albanian, <at> Austrian, <cz/cs> Czech, <dk> Danish, <en> English, <fi> Finnish, <fr> French, <gr> Greek, <hu> Hungarian, <it> Italian, <jp> Japanese, <nl> Dutch, <no> Norwegian, <pl> Polish, <pt> Portuguese, <ro> Romanian, <ru> Russian, <sp> Spanish, <se> Swedish, <sk> Slovakian, <sl> Slovenian, <tr> Turkey, <zh> Simplified Chinese. No details means the language is German.
CCSelect	a..10	M	Determines preselected card type in the form: VISA, MasterCard, AMEX, DINERS, JCB, CBN, Hipercard, Elo, Aura, Dankort, Airplus, ComfortCard, CUP
URLBack	ans..256	M	URL for "Cancel" button
Center	n1	M	By default the form is centered vertically and horizontally. The value <1> centres the form at the top.
tWidth	ans..4	M	Width of table for input of the credit card data as percent- (50%) or pixel values (320).
tHeight	ans..4	M	Height of table for input of the credit card data as percent- (70%) or pixel values (480).

Layout parameters for Paygate forms for credit card payments with Be2bill

The following table describes the result parameters that the Paygate transmits to your **URLSuccess**, **URLFailure** or **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are forwarded Blowfish encrypted to your system:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files The PayID is submitted together with the RefNrD and separated by to Be2bill within the parameter ExtraData: PayID RefNr.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..40	M	TransactionID which should be unique for each payment. Matches the Be2bill OrderID.
Status	a..30	M	OK or AUTHORIZE_REQUEST on the URLSuccess-page and FAILED on the URLFailure-page

Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the De- scription but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
RefNr	ans..30	O	Unique reference number. The RefNr is submitted together with the PayID and separated by to Be2bill within the parameter ExtraData: PayID RefNr.
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
PCNr	n..16	O	Pseudo Card Number: Random number generated by Paygate which represents a genuine credit card number. The pseudo card number (PCN) starts with 0 and the last 3 digits correspond to those of the real card number. You can use the PCN like a genuine card number for authorisation, capture and credits.
CCBrand	a..22	O	In combination with PCNr: Name of credit card brand, e.g. Visa, MasterCard, Cartes Bancaires
CCEpiry	n6	O	In combination with PCNr: Expiry date of the credit card in the format YYYYMM.
TokenExt	an..32	O	For recurring payments (RTF=I) the TokenExt is transmitted for referencing the credit card data
TransactionID	an..32	O	Transaction ID from Be2bill
Plain	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID
Custom	ans..1024	O	The merchant can submit several values separated by which are returned unencrypted and separated by &. Custom=session=123 id=456 will change in the answer to Session=123&id=456

Return parameters for URLSuccess, URLFailure and URLNotify with Be2bill

Credit card payment via Server-to-Server connection

In order to execute an SSL credit card payment with Be2bill via a server-to-server connection, call the following URL:

<https://www.computop-paygate.com/direct.aspx>

Notice: For security reasons, Paygate rejects all payment requests with formatting errors. Therefore please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
TransID	ans..40	M	TransactionID which should be unique for each payment. Matches the Be2bill OrderID.
RefNr	ans..30	M	Unique reference number. The RefNr is submitted together with the PayID and separated by to Be2bill within the parameter ExtraData: PayID RefNr.
Amount	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217

Capture	an..6	O	Determines the type and time of capture. AUTO : capturing immediately after authorisation (default value). MANUAL : capturing made by the merchant. <Number> : Delay in hours until the capture (whole number; 1 to 696).
OrderDesc	ans..510	M	Description of purchased goods, unit prices etc.
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
ReqID	ans..32	O	To avoid double payments, enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction is submitted again with the same ReqID, Paygate will not carry out the payment, but will just return the status of the original transaction.
CCNr	n..19	M	Credit card number at least 12-digit, numerical without spaces. You can optionally transmit also a pseudo card number (PCN)
CCVC	n..4	C	Card verification number: The last 3 digits on the signature strip of the credit card. 4 characters in the case of AMEX. Optional if pseudo card number is used.
CCEpiry	n6	M	Credit card expiry date (YYYYMM), e.g. 201607
CCBrand	a..22	M	Card type: VISA, MasterCard, Cartes Bancaires . Please note the spelling!
CreditCardHolder	ans..255	M	Name of the card holder
Email	ans..255	M	Email address of the card holder
Language	a2	O	Language: FR / EN / DE / ES / IT / NL / CN / RU / PT / CZ
CustomerID	ans..255	M	Unique ID of card holder on the merchant's webpage (e.g. the ID inside the customer database or the email address of the customer)
ChDesc	ans..255	O	Source URL of the merchant or the shop system
DateOfBirth	dtm10	O	Date of birth of the card holder: YYYY-MM-DD
InstallmentAmount	ans..1024	O	Amount of single instalments. The rate values are to be separated by comma and the first rate must have the highest value. e.g.: 200,100,100
InstallmentAmount	ans..1024	O	In combination with InstallmentAmount: Date when the rates are to be collected. The date details must be comma-separated and specified in the UTC time zone (coordinated universal time). The time period from the first instalment to the last instalment also needs to be within a maximum 90 days. e.g.: YYYY-MM-DD,YYYY-MM-DD,YYYY-MM-DD
UserAgent	ans..128	M	Browser type of the purchaser who requests the page. For example: IE Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.0; NET CLR 1.0.3705)
Delivery address			
sdFirstName	as..15	O	First name in the delivery address
sdLastName	as..30	O	Last name in the delivery address
sdStreet	ans..50	O	Number and street in the delivery address
sdZIP	ans..9	O	Postcode in the delivery address
sdCity	ans..255	O	Town/city in the delivery address
sdCountryCode	a..3	O	Country code in the delivery address, 2 or 3 characters according to ISO 3166
sdPhone	ns..32	O	Telephone number in the delivery address
Invoicing address			
bdFirstName	as..15	O	First name in the invoicing address
bdLastName	as..30	O	Last name in the invoicing address

bdStreet	ans..50	O	Number and street in the invoicing address
bdZIP	ans..9	O	Postcode in the invoicing address
bdCity	ans..255	O	Town/city in the invoicing address
bdCountryCode	a..3	O	Country code in the invoicing address, 2 or 3 characters according to ISO 3166
bdPhone	ns..32	O	Phone number in the billing address
Subscriptions			
RTF	a1	O	For recurring payments: I = Initial payment of a new subscription R = Routine payment (Recurring)
TokenExt	an..32	OC	In connection with RTF=R TokenExt must be transmitted for referencing the credit card data

Parameters for credit card payments with Be2bill via socket connection

The following table gives the parameters with which the Paygate responds:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files The PayID is submitted together with the RefNrD and separated by to Be2bill within the parameter ExtraData: PayID RefNr.
XID	an32	M	ID assigned by Paygate for the payment transaction
TransID	ans..40	M	TransactionID which should be unique for each payment. Matches the Be2bill OrderID.
Status	a..30	M	OK , AUTHORIZED or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
RefNr	ans..30	O	Unique reference number. The RefNr is submitted together with the PayID and separated by to Be2bill within the parameter ExtraData: PayID RefNr.
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
ErrorText	ans..128	O	Detailed Be2bill error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.
PCNr	n..16	O	Pseudo Card Number; random number generated by Paygate which represents a genuine credit card number. The pseudo card number (PCN) starts with 0 and the last 3 digits correspond to those of the real card number. You can use the PCN like a genuine card number for authorisation, capture and credits.
CCBrand	a..22	O	In combination with PCNr: Name of credit card brand, e.g. VISA, MasterCard, AMEX, Cartes Bancaires
CCEpiry	n6	O	In combination with PCNr: Expiry date of the credit card in the format YYYYMM.
TokenExt	an..32	O	For recurring payments (RTF=I) the TokenExt is transmitted for referencing the credit card data
TransactionID	an..32	O	Transaction ID from Be2bill

Results parameters for socket connection for Be2bill

Capture of a credit card payment with Be2bill

Captures are possible via a Server-to-Server connection. To carry out a Capture for a Be2bill credit card payment via a Server-to-Server connection please use the following URL:

<https://www.computop-paygate.com/capture.aspx>

Notice: For security reasons, Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment to be captured
TransID	ans..40	M	TransactionID which should be unique for each payment. Matches the Be2bill OrderID.
Amount	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency code, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for captures of Be2bill via socket connections

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..40	M	TransactionID which should be unique for each payment. Matches the Be2bill OrderID.
Status	a..30	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Response parameters for captures of Be2bill via socket connections

Credit with reference

Credits (refunds) are possible via a Server-to-Server connection. For a Credit with reference to a capture the amount of the Credit is limited to the amount of the previous capture.

To carry out a credit with a reference transaction, please use the following URL:

<https://www.computop-paygate.com/credit.aspx>

The following tables describe the transfer parameters and return values which are exchanged via the socket connection.

Notice: For security reasons, Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment to be credited
TransID	ans..40	M	TransactionID which should be unique for each payment. Matches the Be2bill OrderID.
Amount	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency code, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for credit payments with Be2bill via socket connection

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..40	M	TransactionID which should be unique for each payment. Matches the Be2bill OrderID.
Status	a..30	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Response parameters for credits of Be2bill via socket connections

Reversal

Reversals of an instalment payment are possible via a Server-to-Server connection. The Paygate permits only reversals that reference on a capture previously made via Paygate. Only instalment payments can be cancelled. The reversal of a simple authorization is not possible.

To carry out a reversal with a reference transaction, please use the following URL:

<https://www.computop-paygate.com/reverse.aspx>

The following tables describe the transfer parameters and return values which are exchanged via the socket connection.

Notice: For security reasons, Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment to be reverted
TransID	ans..40	M	TransactionID which should be unique for each payment. Matches the Be2bill OrderID.
Amount	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency code, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for reversals with Be2bill via socket connection

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..40	M	TransactionID which should be unique for each payment. Matches the Be2bill OrderID.
Status	a..30	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Response parameters for reversals of Be2bill via socket connections

BATCH PROCESSING VIA THE INTERFACE

Basic information about using Batch files and about their structure can be found in the Batch Manager manual.

This section describes the parameters which must be transferred within the data set (**Record**) for executing payments / credits with Be2bill and which information can be found within the response file about the payment status.

For Batch calls there must be considered batch versions, from which optional parameters depend. All version designations starting with „2.“ pertain calls for a group of enterprises. That means within a batch file for a particular MerchantID can be transferred transactions for other merchants with a separate Sub-MID.

Following table gives an overview of all batch versions that are possible for a specific action and their specialities:

Action	Version	Description
Credit	1.0 / 2.0	Standard version without return of parameter Code
	1.x / 2.x	with RefNr (valid for all versions other than 1.0)

Description of the possible batch versions

The structure for a Be2bill payment within a Batch file to be submitted is the following:

```
HEAD,<MerchantID>,<Date>,<Version>
CC,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
CC,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
CC,Reverse,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
FOOT,<CountRecords>,<SumAmount>
```

The following table describes the individual fields and values used within the data set (record) in the batch file:

Parameter	Format	CND	Description
Type	a..11	M	HEAD for Header, FOOT for Footer, CC for Be2bill
Action	a..20	M	The parameter Action defines the type of transaction: Capture Credit Reverse (cancellation)
Amount	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency code, three digits DIN / ISO 4217
TransID	ans..40	M	TransactionID which should be unique for each payment. Matches the Be2bill OrderID.
RefNr	ns..30	O	Unique reference number
PayID	an32	M	ID for this transaction given by Paygate

Description of fields within the record for Batch files

The record area within the response file for Batch transactions looks as follows:

```
HEAD,<MerchantID>,<Date>,<Version>
CC,Capture,<Amount>,<Currency>,<TransID>,(,<RefNr>,<PayID>,<Status>,<Code>
CC,Credit,<Amount>,<Currency>,<TransID>,(,<RefNr>,<PayID>,<Status>,<Code>
CC,Reverse,<Amount>,<Currency>,<TransID>,(,<RefNr>,<PayID>,<Status>,<Code>
FOOT,<CountRecords>,<SumAmount>
```

The following table describes the response parameters which the Batch Manager saves in the Record area for each transaction (standard parameters not explained here, such as <TransID> or <RefNR> and request parameters are returned unchanged and correspond to the call as specified before):

Parameter	Format	CND	Description
Action	a..20	M	The parameter Action defines the type of transaction: Capture Credit Reverse (cancellation)
PayID	an32	M	ID for this transaction given by Paygate
Status	a..50	M	OK or FAILED
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)

Description of result parameters within the record for Batch files