

Be2bill

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About Be2bill

General information about Be2bill

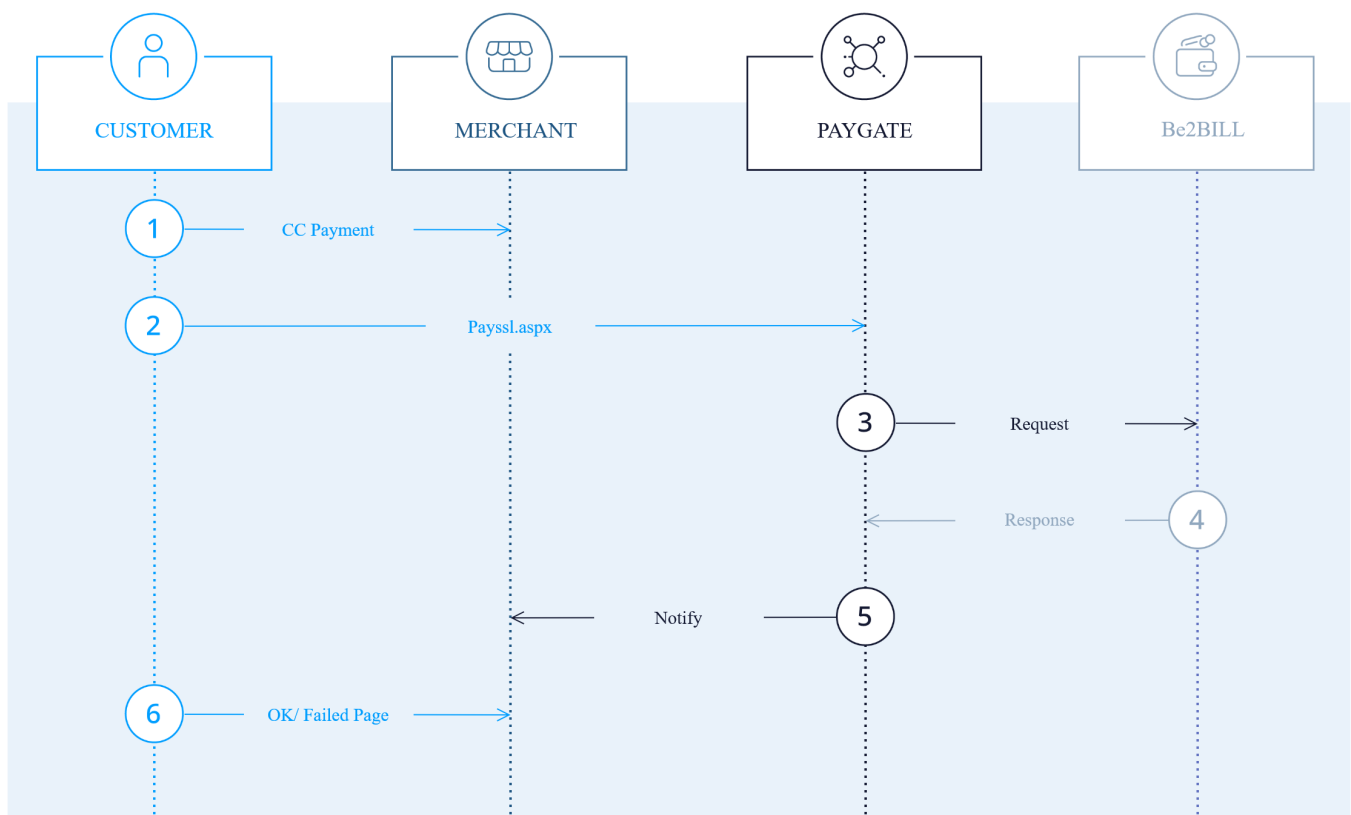
With the connection of the French acquirer be2bill, merchants who are active in France have a powerful alternative for the selection of acquirer. As well as VISA and Mastercard credit cards, Paygate also handles payments made with the extremely widespread Cartes Bancaires via this partner. Be2bill offers 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.

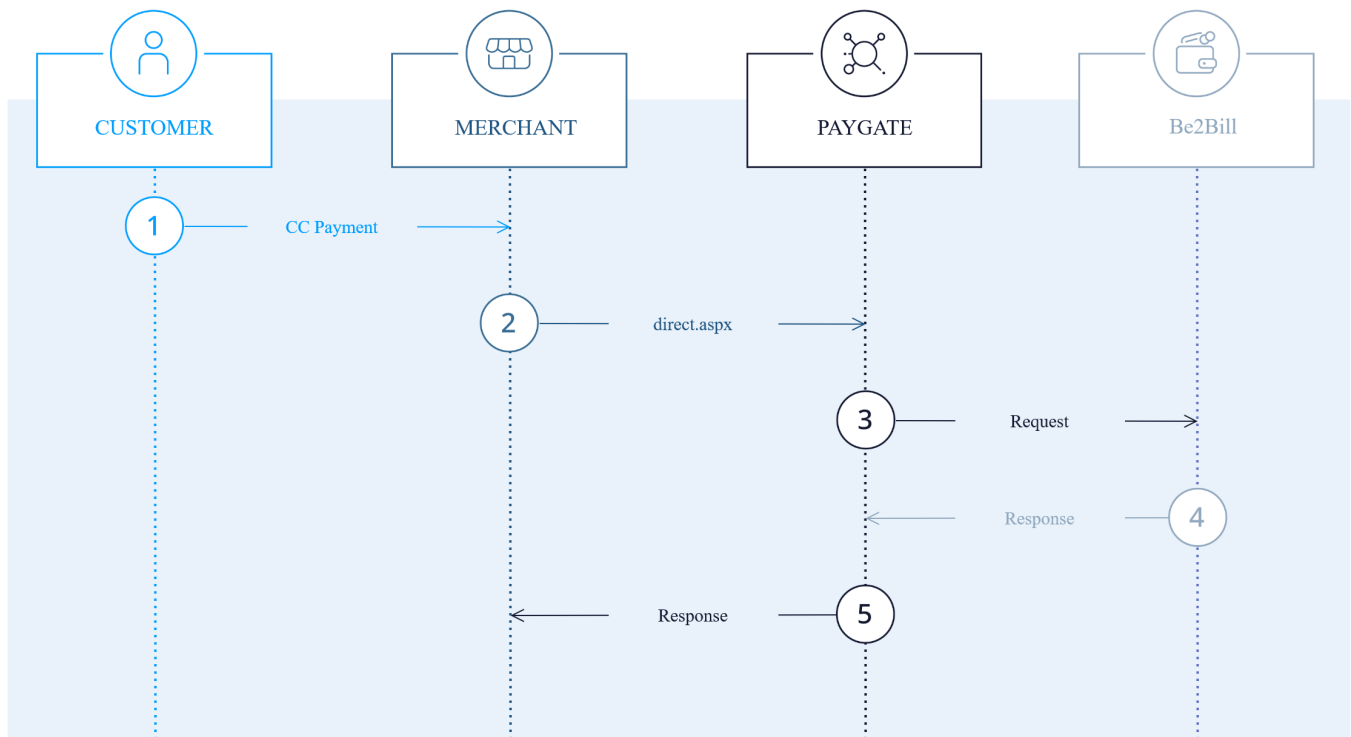
Logo	
Info	Be2bill is specially optimized for the “Cartes Bancaires” credit cards which is widely used in France.
Type	Payments by Credit Card

Card Scheme
VISA
MasterCard
Cartes Bancaires

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>

The screenshot displays two configuration sections. The first section, titled 'FEEDBACK URLS', contains a label 'Transaction feedback URL' and a text input field with the URL 'https://www.computop-paygate.com/Be2billComplete.aspx'. The second section, titled 'REDIRECTION URLS', contains two rows. The first row is labeled 'Redirection URL after payment form or 3DSECURE processing' and has a text input field with the URL 'https://www.computop-paygate.com/cbBe2bill.aspx'. The second row is labeled 'Redirection URL after payment form cancelling' and also has a text input field with the URL '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-DDThh:mm:ss)

Abbreviations

Abbreviation	Description	Comment
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CND	condition	
M	mandatory	If a parameter is mandatory, then it must be present
O	optional	If a parameter is optional, then it can be present, but it is not required
C	conditional	If a parameter is conditional, then there is a conditional rule which specifies whether it is mandatory or optional

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

Credit card payment with Be2bill 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, Computop 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](#):

Key	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
Transl D_Beb ill	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.
RefNr Be2bill	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..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
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 . i Common notes: - We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate - However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.
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 . i Common notes: - We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate - However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.
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. Common notes: • We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate • However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.								
Credit CardHolder_Be2bill	an..255	M	Name of the card holder								
Capture	an..6	OM	Determines the type and time of capture. <table><tr><th>Capture Mode</th><th>Description</th></tr><tr><td>AUTO</td><td>Capturing immediately after authorisation (default value).</td></tr><tr><td>MANUAL</td><td>Capturing made by the merchant. Capture is normally initiated at time of delivery.</td></tr><tr><td><Number></td><td>Delay in hours until the capture (whole number; 1 to 696).</td></tr></table>	Capture Mode	Description	AUTO	Capturing immediately after authorisation (default value).	MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.	<Number>	Delay in hours until the capture (whole number; 1 to 696).
Capture Mode	Description										
AUTO	Capturing immediately after authorisation (default value).										
MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.										
<Number>	Delay in hours until the capture (whole number; 1 to 696).										
Order Desc	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 or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.								
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								
InstallmentDate	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 single value to be set by the merchant to return some information unencrypted in response/notify, e.g. the MID. "Plain"-parameter is part of encrypted "Data" in Computop Paygate and therefore protected against manipulation.								
Custom	ans..1024	O	"Custom"-parameter is added to the request data before encryption and is part of encrypted "Data" in Computop Paygate request. By this they are protected against manipulation by a consumer. The Custom-value is added to the Computop Paygate response in plain text and the " " is replaced by a "&". By this you can put a single value into Custom-parameter and get multiple key-value-pairs back in response for your own purpose. Please find a samples here: Custom								
			Delivery address								
sdFirstName	as..15	O	First name in the delivery address								

sdLast Name	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
			Fraud prevention (please notice also the further optional parameters and response values for Fraud prevention)
IPAddr	ans..15	M	IP address. With this parameter Paygate can determine in which country and in which town your customer has connected with the Internet (see also IPZone). Format: 123.456.789.012

Key	Format	CND	Description	Beschreibung
TransID_Bebill	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Entspricht der Be2bill OrderID.

Key	Format	CND	Description	Beschreibung
RefNr_Bebill	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.	Eindeutige Referenznummer. Die RefNr wird durch ein getrennt mit der PayID an Be2bill im Parameter ExtraData übergeben: PayID RefNr.

Key	Format	CND	Description	Beschreibung
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	Format	CND	Description	Beschreibung
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MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: HMAC-Authentisierung (Anfrage) HMAC-Authentisierung (Notify)
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Key	Format	CND	Description	Beschreibung
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 . i Common notes: - We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate - However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.	Vollständige URL, die das Paygate aufruft, wenn die Zahlung erfolgreich war. Die URL darf nur über Port 443 aufgerufen werden. Diese URL darf keine Parameter enthalten: Um Parameter durchzureichen nutzen Sie stattdessen den Parameter UserData . i Allgemeine Hinweise: - Wir empfehlen, den Parameter "response=encrypt" zu verwenden, um eine verschlüsselte Antwort von Paygate zu erhalten - Betrüger könnten das verschlüsselte DATA-Element kopieren, welches an URLFailure gesendet wurde, und betrügerisch dasselbe DATA an URLSuccess senden. Überprüfen Sie daher unbedingt den "code"-Wert des DATA-Elements. Nur eine Antwort mit "code=00000000" sollte als erfolgreich angesehen werden.

Key	Format	CND	Description	Beschreibung
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 . i Common notes: - We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate - However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.	Vollständige URL, die das Paygate aufruft, wenn die Zahlung gescheitert ist. Die URL darf nur über Port 443 aufgerufen werden. Diese URL darf keine Parameter enthalten: Um Parameter durchzureichen nutzen Sie stattdessen den Parameter UserData . i Allgemeine Hinweise: - Wir empfehlen, den Parameter "response=encrypt" zu verwenden, um eine verschlüsselte Antwort von Paygate zu erhalten - Betrüger könnten das verschlüsselte DATA-Element kopieren, welches an URLFailure gesendet wurde, und betrügerisch dasselbe DATA an URLSuccess/URLNotify senden. Überprüfen Sie daher unbedingt den "code"-Wert des DATA-Elements. Nur eine Antwort mit "code=00000000" sollte als erfolgreich angesehen werden.

Key	Format	CND	Description	Beschreibung
Response	a7	O	Status response sent by Paygate to URLSuccess and URLFailure , should be encrypted. For this purpose, transmit Response=encrypt parameter.	Die Status-Rückmeldung, die das Paygate an URLSuccess und URLFailure sendet, sollte verschlüsselt werden. Dazu übergeben Sie den Parameter Response=encrypt .

Key	Format	CND	Description	Beschreibung
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. i Common notes: - We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate - However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.	Vollständige URL, die das Paygate aufruft, um den Shop zu benachrichtigen. Die URL darf nur über Port 443 aufgerufen werden. Sie darf keine Parameter enthalten: Nutzen Sie stattdessen den Parameter UserData . i Allgemeine Hinweise: - Wir empfehlen, den Parameter "response=encrypt" zu verwenden, um eine verschlüsselte Antwort von Paygate zu erhalten - Betrüger könnten das verschlüsselte DATA-Element kopieren, welches an URLFailure gesendet wurde, und betrügerisch dasselbe DATA an URLSuccess/URLNotify senden. Überprüfen Sie daher unbedingt den "code"-Wert des DATA-Elements. Nur eine Antwort mit "code=00000000" sollte als erfolgreich angesehen werden.

Key	Format	CND	Description	Beschreibung
CreditCardHolder_Be2bill	an..255	M	Name of the card holder	Name des Karteninhabers

Key	Format	CND	Description	Beschreibung
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Capture	an..6	OM	Determines the type and time of capture.		Bestimmt Art und Zeitpunkt der Buchung (engl. Capture).	
			Capture Mode	Description	Buchungsart	Beschreibung
			AUTO	Capturing immediately after authorisation (default value).	AUTO	Buchung sofort nach Autorisierung (Standardwert).
			MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.	MANUAL	Buchung erfolgt durch den Händler - in der Regel die Buchung zum Zeitpunkt der Warenauslieferung bzw. Leistungserbringung.
			<Number>	Delay in hours until the capture (whole number; 1 to 696).	<Zahl>	Verzögerung in Stunden bis zur Buchung (ganze Zahl; 1 bis 696).

Key	Format	CND	Description	Beschreibung
OrderDesc	ans..768	M	Description of purchased goods, unit prices etc.	Beschreibung der gekauften Waren, Einzelpreise usw.

Key	Format	CND	Description	Beschreibung
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.	Wenn beim Aufruf angegeben, übergibt das Paygate die Parameter mit dem Zahlungsergebnis an den Shop.

Key	Format	CND	Description	Beschreibung
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.	Um Doppelzahlungen (z.B. durch ETM) zu vermeiden, übergeben Sie einen alphanumerischen Wert, der Ihre Transaktion oder Aktion identifiziert und nur einmal vergeben werden darf. Falls die Transaktion oder Aktion mit derselben ReqID erneut eingereicht wird, führt das Computop Paygate keine Zahlung oder weitere Aktion aus, sondern gibt nur den Status der ursprünglichen Transaktion oder Aktion zurück. Bitte beachten Sie, dass das Computop Paygate für die erste initiale Aktion (Authentifizierung/Autorisierung) einen abgeschlossenen Transaktionsstatus haben muss. Dies gilt nicht für 3-D Secure Authentifizierungen, die durch einem Timeout beendet werden. Der Status 3-D Secure Timeout gilt nicht als abgeschlossener Status, bei dem ReqID-Funktionalität am Paygate nicht greift. Einreichungen mit identischer ReqID auf einen offenen Status werden regulär verarbeitet. Hinweis: Bitte beachten Sie, dass eine ReqID nur 12 Monate gültig ist, danach wird sie vom Paygate gelöscht.

Key	Format	CND	Description	Beschreibung
Language	a2	O	Language: FR / EN / DE / ES / IT / NL / CN / RU / PT / CZ	Sprache: 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)	Eindeutige ID des Karteninhabers auf der Händlerwebseite (z.B. die ID in der Kundendatenbank oder die E-Mail-Adresse des Kunden)
Email	ans..255	M	Email address of the card holder	E-Mail-Adresse des Karteninhabers
ChDesc	ans..255	O	Source URL of the merchant or the shop system	Ursprungs-URL des Händlers bzw. des Shopsystems
DateOfBirth	dtm10	O	Date of birth of the card holder: YYYY-MM-DD	Geburtsdatum des Karteninhaber: JJJJ-MM-TT
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	Betrag einzelner Raten. Die Raten sind durch ein Komma zu trennen, und die erste Rate muss den höchsten Betrag aufweisen. Z.B.: 200,100,100
InstallmentDate	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	In Verbindung mit InstallmentAmount: Datum wann die Raten eingezogen werden sollen. Die Datumsangaben sind durch ein Komma zu trennen und in der Zeitzone UTC (koordinierte Weltzeit) anzugeben. Außerdem muss der Zeitraum von der ersten Rate bis zur letzten angegebenen Rate innerhalb von maximal 90 Tagen liegen. Z.B.: 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)	Browsertyp des Käufers, der die Seite aufruft. Zum Beispiel: IE Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.0; .NET CLR 1.0.3705)

Key	Format	CND	Description	Beschreibung
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Plain	ans..50	O	A single value to be set by the merchant to return some information unencrypted in response/notify, e.g. the MID. "Plain"-parameter is part of encrypted "Data" in Computop Paygate and therefore protected against manipulation.	Ein einzelner Wert, der von Ihnen gesetzt werden kann, um Informationen wieder unverschlüsselt in der Antwort bzw. im Notify zurückzugeben, z.B. die MID. Da der "Plain"-Parameter Teil des verschlüsselten "Data" im Computop Paygate ist, ist dieser vor Manipulationen geschützt.
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Key	Format	CND	Description	Beschreibung
Custom	ans..1024	O	"Custom"-parameter is added to the request data before encryption and is part of encrypted "Data" in Computop Paygate request. By this they are protected against manipulation by a consumer. The Custom-value is added to the Computop Paygate response in plain text and the "I" is replaced by a "&". By this you can put a single value into Custom-parameter and get multiple key-value-pairs back in response for your own purpose. Please find a samples here: Custom	Der "Custom"-Parameter wird vor der Verschlüsselung an den Aufruf angehängt und ist Teil des verschlüsselten "Data" im Computop Paygate Aufruf. Dadurch ist der Wert gegen Manipulation geschützt. Der Custom-Wert wird dann in Klartext an die Computop Paygate-Antwort angehängt und dabei wird "I" durch "&" ersetzt. Dadurch können Sie einen Custom-Wert übergeben und bekommen mehrere Key-Value-Paare zu Ihrer eigenen Verwendung in der Antwort zurück. Hier finden Sie ein Beispiel: Custom

Key	Format	CND	Description	Beschreibung
			Delivery address	Lieferadresse
sdFirst Name	as..15	O	First name in the delivery address	Vorname in der Lieferadresse
sdLast Name	as..30	O	Last name in the delivery address	Nachname in der Lieferadresse
sdStreet	ans..50	O	Number and street in the delivery address	Straße und Hausnummer in der Lieferadresse
sdZIP	ans..9	O	Postcode in the delivery address	Postleitzahl in der Lieferadresse
sdCity	ans..255	O	Town/city in the delivery address	Wohnort in der Lieferadresse
sdCountryCode	a..3	O	Country code in the delivery address, 2 or 3 characters according to ISO 3166	Ländercode der Lieferadresse zwei- oder dreistellig gemäß ISO 3166
sdPhone	ans..32	O	Telephone number in the delivery address	Telefonnummer in der Lieferadresse
			Invoicing address	Rechnungsadresse
bdFirst Name	as..15	O	First name in the invoicing address	Vorname in der Rechnungsadresse
bdLast Name	as..30	O	Last name in the invoicing address	Nachname in der Rechnungsadresse
bdStreet	ans..50	O	Number and street in the invoicing address	Straße und Hausnummer in der Rechnungsadresse
bdZIP	ans..9	O	Postcode in the invoicing address	Postleitzahl in der Rechnungsadresse
bdCity	ans..255	O	Town/city in the invoicing address	Wohnort in der Rechnungsadresse
bdCountryCode	a..3	O	Country code in the invoicing address, 2 or 3 characters according to ISO 3166	Ländercode der Rechnungsadresse zwei- oder dreistellig gemäß ISO 3166
bdPhone	ans..32	O	Phone number in the billing address	Telefonnummer in der Rechnungsadresse
			Subscriptions	Abonnements
RTF	a1	O	For recurring payments: I = Initial payment of a new subscription R = Routine payment (Recurring)	Bei wiederkehrenden Zahlungen: I = Initialzahlung eines neuen Abos R = Wiederkehrende Zahlung (Recurring)
Token Ext	an..32	OC	In connection with RTF=R TokenExt must be transmitted for referencing the credit card data	In Verbindung mit RTF=R muss TokenExt übergeben werden, um die Kreditkartendaten zu referenzieren
			Fraud prevention (please notice also the further optional parameters and response values for Fraud prevention)	Betrugsprävention (beachten Sie bitte auch die weiteren optionalen Parameter und Rückgabewerte zur Betrugsprävention)

IPAddr	ans..15	M	IP address. With this parameter Paygate can determine in which country and in which town your customer has connected with the Internet (see also IPZone). Format: 123.456.789.012	IP-Adresse. Damit kann das Paygate ermitteln, in welchem Land und welcher Stadt Ihr Kunde mit dem Internet verbunden ist (vgl. IPZone). Format 123.456.789.012
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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.

Key	Format	CND	Description
Template	ans..20	O	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	O	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	O	Form background colour: - HTML-colour value for background colour as HEX value or - HTML-colour name
BGImage	ans..256	O	Form background image: URL for a background image Please note that this value supersedes "BGColor".
FColor	ans..7	O	Text colour: - HTML-colour value as HEX value or - HTML-colour name
FFace	a..10	O	HTML-name for the font
FSize	n2	O	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	O	Complete URL which Paygate calls in case that Cancel is clicked by the customer. The parameter "URLBack" can be sent • either as plain parameter (unencrypted) (compatibility mode) • or be part of encrypted payment request parameters (preferred mode) In order to exchange values between Paygate and shop you may use something like this: URLBack= https://your.shop.com/back.php?param1%3Dvalue1%26param2%3Dvalue3%26status%3Dcancelled When user cancels payment this URL is called exactly like this and you may use URL Decode to extract parameter and values.
Center	n1	O	By default the form is centered vertically and horizontally. The value <1> centres the form at the top.
tWidth	ans..4	O	Width of table for input in the form as percent- (50%) or pixel values (320).
tHeight	ans..4	O	Height of table for input of the payment data in the form as percent- (70%) or pixel values (480).

Key	Format	CND	Description	Beschreibung
Background	ans..256	O	Background ambiance of form: URL for a background image - HTML-colour value for background colour as HEX value or - HTML-colour name	Formular Hintergrundumgebung: - URL für ein Hintergrundbild - HTML-Farbwert für Hintergrundfarbe als HEX-Wert oder - HTML-Farurname

Key	Format	CND	Description	Beschreibung
BGColor	ans..7	O	Form background colour: - HTML-colour value for background colour as HEX value or - HTML-colour name	Formular Hintergrundfarbe: - HTML-Farbwert für Hintergrundfarbe als HEX-Wert oder - HTML-Farbname

Key	Format	CND	Description	Beschreibung
BGImage	ans..256	O	Form background image: URL for a background image Please note that this value supersedes "BGColor".	Formular Hintergrundbild: URL für ein Hintergrundbild Beachten Sie bitte, dass dieser Wert „BGColor“ überschreibt.

Key	Format	CND	Description	Beschreibung
FColor	ans..7	O	Text colour: - HTML-colour value as HEX value or - HTML-colour name	Textfarbe: - HTML-Farbwert als HEX-Wert oder - HTML-Farbname

Key	Format	CND	Description	Beschreibung
FFace	a..10	O	HTML-name for the font	HTML-Name der Schriftart

Key	Format	CND	Description	Beschreibung
FSize	n2	O	Number for font size	Zahl für die Schriftgröße

Key	Format	CND	Description	Beschreibung
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.	Sprachcode: <de> deutsch, <al> albanisch, <at> österreichisch, <cz/cs> tschechisch, <dk> dänisch, <en> englisch, <fi> finnisch, <fr> französisch, <gr> griechisch, <hu> ungarisch, <it> italienisch, <jp> japanisch, <nl> holländisch, <no> norwegisch, <pl> polnisch, <pt> portugiesisch, <ro> rumänisch, <ru> russisch, <tr> türkisch, <sp> spanisch, <se> schwedisch, <sk> slowakisch, <sl> slowenisch, <tr> türkisch, <zh> Simplified Chinese Ohne Angabe ist die Sprache Deutsch.
CCSelect	a..10	M	Determines preselected card type in the form: VISA, MasterCard, AMEX, DINERS, JCB, CBN, Hipercard, Elo, Aura, Dankort, Airplus, ComfortCard, CUP	Bestimmt die vorausgewählte Kartenmarke im Formular: VISA, MasterCard, AMEX, DINERS, JCB, CBN, Hipercard, Elo, Aura, Dankort, Airplus, ComfortCard, CUP

Key	Format	CND	Description	Beschreibung
URLBack	ans..256	O	Complete URL which Paygate calls in case that Cancel is clicked by the customer. The parameter "URLBack" can be sent - either as plain parameter (unencrypted) (compatibility mode) - or be part of encrypted payment request parameters (preferred mode) In order to exchange values between Paygate and shop you may use something like this: URLBack= https://your.shop.com/back.php?param1%3Dvalue1%3Dvalue1%26param2%3Dvalue3%26status%3Dcancelled When user cancels payment this URL is called exactly like this and you may use URL Decode to extract parameter and values.	Vollständige URL, die das Paygate aufruft, wenn der Kunde auf Abbruch klickt. Der Parameter "URLBack" kann - sowohl unverschlüsselt ans Paygate übermittelt werden (Kompatibilitätsmodus) - als auch in den verschlüsselten Übergabeparametern (bevorzugte Variante) Wenn Sie Parameter/Werte in der URLBack übergeben möchten, so können Sie folgende Methode verwenden: URLBack= https://your.shop.com/back.php?param1%3Dvalue1%26param2%3Dvalue3%26status%3Dcancelled Wenn der Kunde auf Abbruch klickt, so wird die URL genauso aufgerufen, so dass Sie URL Decode verwenden können, um Parameter und Werte zu extrahieren.

Key	Format	CND	Description	Beschreibung
Center	n1	O	By default the form is centered vertically and horizontally. The value <1> centres the form at the top.	Standardmäßig ist das Formular vertikal und horizontal zentriert. Der Wert <1> justiert es oben mittig.

Key	Format	CND	Description	Beschreibung
tWidth	ans..4	O	Width of table for input in the form as percent- (50%) or pixel values (320).	Breite der Tabelle im Eingabeformular als Prozent- (50%) oder Pixelwerte (320)

Key	Format	CND	Description	Beschreibung
tHeight	ans..4	O	Height of table for input of the payment data in the form as percent- (70%) or pixel values (480).	Höhe der Tabelle für die Eingabe der Bezahltdaten im Formular als Prozent- (70%) oder Pixelwerte (480)

Layout parameters for Paygate forms for credit card payments with Be2bill

The following table gives the result parameters which Computop Paygate transmits to **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent **Blowfish encrypted** to your system:

 pls. be prepared to receive additional parameters at any time and do not check the order of parameters

 the key (e.g. MerchantId, RefNr) should not be checked case-sensitive

Key	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 RefNr 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	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.
Status	a..50	M	OK or AUTHORIZE_REQUEST (URLSuccess) as well as FAILED (URLFailure)
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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
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.
ErrorText	ans..128	O	Detailed Be2bill error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .
PCNr	n16	O	Pseudo Card Number: Random number generated by Computop 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. The PCN can be used like a genuine card number for authorisation, capture and credits. PCNr is a response value from Computop Paygate and is sent as CCNr in Request or part of card-JSON
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 single value to be set by the merchant to return some information unencrypted in response/notify, e.g. the MID. "Plain"-parameter is part of encrypted "Data" in Computop Paygate and therefore protected against manipulation.

Custom	ans..1024	O	"Custom"-parameter is added to the request data before encryption and is part of encrypted "Data" in Computop Paygate request. By this they are protected against manipulation by a consumer. The Custom-value is added to the Computop Paygate response in plain text and the " " is replaced by a "&". By this you can put a single value into Custom-parameter and get multiple key-value-pairs back in response for your own purpose. Please find a samples here: Custom
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Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files The PayID is submitted together with the RefNr and separated by to Be2bill within the parameter ExtraData: PayID RefNr.	Vom Paygate vergebene ID für die Zahlung, z.B. zur Referenzierung in Batch-Dateien. Die PayID wird durch ein getrennt mit der RefNr an Be2bill im Parameter ExtraData übergeben: PayID RefNr.

Key	Format	CND	Description	Beschreibung
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	Format	CND	Description	Beschreibung
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Entspricht der Be2bill OrderID.

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK or AUTHORIZE_REQUEST (URLSuccess) as well as FAILED (URLFailure)	OK oder AUTHORIZE_REQUEST (URLSuccess) sowie FAILED (URLFailure)

Key	Format	CND	Description	Beschreibung
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!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie nicht den Parameter Description , sondern Code für die Auswertung des Transaktionsstatus!

Key	Format	CND	Description	Beschreibung
Code	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: HMAC-Authentisierung (Anfrage) HMAC-Authentisierung (Notify)

Key	Format	CND	Description	Beschreibung
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.	Eindeutige Referenznummer. Die RefNr wird durch ein getrennt mit der PayID an Be2bill im Parameter ExtraData übergeben: PayID RefNr.

Key	Format	CND	Description	Beschreibung
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.	Wenn beim Aufruf angegeben, übergibt das Paygate die Parameter mit dem Zahlungsergebnis an den Shop.

Key	Format	CND	Description	Beschreibung
ErrorText	ans..128	O	Detailed Be2bill error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk.	Detaillierte Be2bill Fehlermeldung. Hinweis: Wird nur bei Status=FAILED zurückgegeben. Nutzung nur in Abstimmung mit dem Computop Helpdesk möglich.

Key	Format	CND	Description	Beschreibung
PCNr	n16	O	Pseudo Card Number: Random number generated by Computop 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. The PCN can be used like a genuine card number for authorisation, capture and credits. PCNr is a response value from Computop Paygate and is sent as CCNr in Request or part of card-JSON	Pseudo Card Number: Vom Computop Paygate generierte Zufallszahl, die eine reale Kreditkartennummer repräsentiert. Die Pseudokartennummer (PKN) beginnt mit 0, und die letzten 3 Stellen entsprechen denen der realen Kartennummer. Die PKN kann wie eine Kreditkartennummer für Autorisierung, Buchung und Gutschriften verwendet werden. PCNr ist ein Antwortwert von Computop Paygate und kann ebenfalls als CCNr im Request oder als Teil von card-JSON verwendet werden.

Key	Format	CND	Description	Beschreibung
CCBrand	a..22	O	In combination with PCNr: Name of credit card brand, e.g. Visa, MasterCard, Cartes Bancaires	In Verbindung mit PCNr: Bezeichnung der Kreditkartenmarke wie VISA, MasterCard, Cartes Bancaires
CCEpiry	n6	O	In combination with PCNr: Expiry date of the credit card in the format YYYYMM.	In Verbindung mit PCNr: Ablaufdatum der Kreditkarte im Format JJJJMM
TokenExt	an..32	O	For recurring payments (RTF=I) the TokenExt is transmitted for referencing the credit card data	Bei wiederkehrenden Zahlungen (RTF=I) wird der TokenExt übergeben, um die Kreditkartendaten zu referenzieren
TransactionID	an..32	O	Transaction ID from Be2bill	Transaktions-ID von Be2bill

Key	Format	CND	Description	Beschreibung
Plain	ans..50	O	A single value to be set by the merchant to return some information unencrypted in response/notify, e.g. the MID. "Plain"-parameter is part of encrypted "Data" in Computop Paygate and therefore protected against manipulation.	Ein einzelner Wert, der von Ihnen gesetzt werden kann, um Informationen wieder unverschlüsselt in der Antwort bzw. im Notify zurückzugeben, z.B. die MID. Da der "Plain"-Parameter Teil des verschlüsselten "Data" im Computop Paygate ist, ist dieser vor Manipulationen geschützt.

Key	Format	CND	Description	Beschreibung
Custom	ans..1024	O	"Custom"-parameter is added to the request data before encryption and is part of encrypted "Data" in Computop Paygate request. By this they are protected against manipulation by a consumer. The Custom-value is added to the Computop Paygate response in plain text and the "I" is replaced by a "&". By this you can put a single value into Custom-parameter and get multiple key-value-pairs back in response for your own purpose. Please find a samples here: Custom	Der "Custom"-Parameter wird vor der Verschlüsselung an den Aufruf angehängt und ist Teil des verschlüsselten "Data" im Computop Paygate Aufruf. Dadurch ist der Wert gegen Manipulation geschützt. Der Custom-Wert wird dann in Klartext an die Computop Paygate-Antwort angehängt und dabei wird "I" durch "&" ersetzt. Dadurch können Sie einen Custom-Wert übergeben und bekommen mehrere Key-Value-Paare zu Ihrer eigenen Verwendung in der Antwort zurück. Hier finden Sie ein Beispiel: Custom

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, Computop 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](#):

Key	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.

TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. 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..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).								
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table								
Capture	an..6	OM	Determines the type and time of capture. <table><tr><th>Capture Mode</th><th>Description</th></tr><tr><td>AUTO</td><td>Capturing immediately after authorisation (default value).</td></tr><tr><td>MANUAL</td><td>Capturing made by the merchant. Capture is normally initiated at time of delivery.</td></tr><tr><td><Number></td><td>Delay in hours until the capture (whole number; 1 to 696).</td></tr></table>	Capture Mode	Description	AUTO	Capturing immediately after authorisation (default value).	MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.	<Number>	Delay in hours until the capture (whole number; 1 to 696).
Capture Mode	Description										
AUTO	Capturing immediately after authorisation (default value).										
MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.										
<Number>	Delay in hours until the capture (whole number; 1 to 696).										
Order Desc	ans..510	M	Description of purchased goods, unit prices etc.								
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)								
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 or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.								
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.								
CCExpiry	n6	M	Credit card expiry date (YYYYMM), e.g. 202607								
CCBrand	a..22	M	Card type: VISA , MasterCard , Cartes Bancaires . Please note the spelling!								
Credit CardHolder	an..255	M	Name 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)								
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								
InstallmentDate	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	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
sdFirst Name	as..15	O	First name in the delivery address
sdLast Name	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
bdFirst Name	as..15	O	First name in the invoicing address
bdLast Name	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)
Token Ext	an..32	OC	In connection with RTF=R TokenExt must be transmitted for referencing the credit card data
			Fraud prevention (please notice also the further optional parameters and response values for Fraud prevention)
IPAddr	ans..15	M	IP address. With this parameter Paygate can determine in which country and in which town your customer has connected with the Internet (see also IPZone). Format: 123.456.789.012

Key	Format	CND	Description	Beschreibung
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Entspricht der Be2bill OrderID.

Key	Format	CND	Description	Beschreibung
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.	Eindeutige Referenznummer. Die RefNr wird durch ein getrennt mit der PayID an Be2bill im Parameter ExtraData übergeben: PayID RefNr.

Key	Format	CND	Description	Beschreibung
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	Format	CND	Description		Beschreibung	
Capture	an..6	OM	Determines the type and time of capture.		Bestimmt Art und Zeitpunkt der Buchung (engl. Capture).	
			Capture Mode	Description	Buchungsart	Beschreibung
			AUTO	Capturing immediately after authorisation (default value).	AUTO	Buchung sofort nach Autorisierung (Standardwert).
			MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.	MANUAL	Buchung erfolgt durch den Händler - in der Regel die Buchung zum Zeitpunkt der Warenauslieferung bzw. Leistungserbringung.
			<Number>	Delay in hours until the capture (whole number; 1 to 696).	<Zahl>	Verzögerung in Stunden bis zur Buchung (ganze Zahl; 1 bis 696).

Key	Format	CND	Description	Beschreibung
OrderDesc	ans..510	M	Description of purchased goods, unit prices etc.	Beschreibung der gekauften Waren, Einzelpreise usw.

Key	Format	CND	Description	Beschreibung
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: HMAC-Authentisierung (Anfrage) HMAC-Authentisierung (Notify)

Key	Format	CND	Description	Beschreibung
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.	Wenn beim Aufruf angegeben, übergibt das Paygate die Parameter mit dem Zahlungsergebnis an den Shop.

Key	Format	CND	Description	Beschreibung
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.	Um Doppelzahlungen (z.B. durch ETM) zu vermeiden, übergeben Sie einen alphanumerischen Wert, der Ihre Transaktion oder Aktion identifiziert und nur einmal vergeben werden darf. Falls die Transaktion oder Aktion mit derselben ReqID erneut eingereicht wird, führt das Computop Paygate keine Zahlung oder weitere Aktion aus, sondern gibt nur den Status der ursprünglichen Transaktion oder Aktion zurück. Bitte beachten Sie, dass das Computop Paygate für die erste initiale Aktion (Authentifizierung/Autorisierung) einen abgeschlossenen Transaktionsstatus haben muss. Dies gilt nicht für 3-D Secure Authentifizierungen, die durch einem Timeout beendet werden. Der Status 3-D Secure Timeout gilt nicht als abgeschlossener Status, bei dem ReqID-Funktionalität am Paygate nicht greift. Einreichungen mit identischer ReqID auf einen offenen Status werden regulär verarbeitet. Hinweis: Bitte beachten Sie, dass eine ReqID nur 12 Monate gültig ist, danach wird sie vom Paygate gelöscht.

Key	Format	CND	Description	Beschreibung
CCNr	n..19	M	Credit card number at least 12-digit, numerical without spaces. You can optionally transmit also a pseudo card number (PCN)	Kreditkartennummer mind. 12stellig numerisch ohne Leerzeichen. Optional können Sie auch eine Pseudokartennummer übergeben.
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.	Kartenprüfnummer: Die letzten 3 Ziffern auf dem Unterschriftsfeld der Kreditkarte. Bei AMEX 4 Ziffern. Optional, wenn Pseudokartennummer genutzt wird.
CCEpiry	n6	M	Credit card expiry date (YYYYMM), e.g. 202607	blaufdatum der Kreditkarte (JJJJMM), z.B. 202607
CCBrand	a..22	M	Card type: VISA, MasterCard, Cartes Bancaires . Please note the spelling!	Kartenmarke: VISA, MasterCard, Cartes Bancaires . Bitte beachten Sie die Schreibweise!
CreditCardHolder	an..255	M	Name of the card holder	Name des Karteninhabers

Key	Format	CND	Description	Beschreibung
Language	a2	O	Language: FR / EN / DE / ES / IT / NL / CN / RU / PT / CZ	Sprache: FR / EN / DE / ES / IT / NL / CN / RU / PT / CZ

Custo merID	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)	Eindeutige ID des Karteninhabers auf der Händlerwebseite (z.B. die ID in der Kundendatenbank oder die E-Mail-Adresse des Kunden)
Email	ans..255	M	Email address of the card holder	E-Mail-Adresse des Karteninhabers
ChDesc	ans..255	O	Source URL of the merchant or the shop system	Ursprungs-URL des Händlers bzw. des Shopsystems
DateO fBirth	dtm10	O	Date of birth of the card holder: YYYY-MM-DD	Geburtsdatum des Karteninhaber: JJJJ-MM-TT
Install mentA mount	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	Betrag einzelner Raten. Die Raten sind durch ein Komma zu trennen, und die erste Rate muss den höchsten Betrag aufweisen. Z.B.: 200,100,100
Install mentD ate	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	In Verbindung mit InstallmentAmount: Datum wann die Raten eingezogen werden sollen. Die Datumsangaben sind durch ein Komma zu trennen und in der Zeitzone UTC (koordinierte Weltzeit) anzugeben. Außerdem muss der Zeitraum von der ersten Rate bis zur letzten angegebenen Rate innerhalb von maximal 90 Tagen liegen. Z.B.: YYYY-MM-DD,YYYY-MM-DD,YYYY-MM-DD
UserA gent	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)	Browsertyp des Käufers, der die Seite aufruft. Zum Beispiel: IE Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.0; .NET CLR 1.0.3705)

Key	Format	CND	Description	Beschreibung
			Delivery address	Lieferadresse
sdFirst Name	as..15	O	First name in the delivery address	Vorname in der Lieferadresse
sdLast Name	as..30	O	Last name in the delivery address	Nachname in der Lieferadresse
sdStre et	ans..50	O	Number and street in the delivery address	Straße und Hausnummer in der Lieferadresse
sdZIP	ans..9	O	Postcode in the delivery address	Postleitzahl in der Lieferadresse
sdCity	ans..255	O	Town/city in the delivery address	Wohnort in der Lieferadresse
sdCou ntryCo de	a..3	O	Country code in the delivery address, 2 or 3 characters according to ISO 3166	Ländercode der Lieferadresse zwei- oder dreistellig gemäß ISO 3166
sdPho ne	ans..32	O	Telephone number in the delivery address	Telefonnummer in der Lieferadresse
			Invoicing address	Rechnungsadresse
bdFirst Name	as..15	O	First name in the invoicing address	Vorname in der Rechnungsadresse
bdLast Name	as..30	O	Last name in the invoicing address	Nachname in der Rechnungsadresse
bdStre et	ans..50	O	Number and street in the invoicing address	Straße und Hausnummer in der Rechnungsadresse
bdZIP	ans..9	O	Postcode in the invoicing address	Postleitzahl in der Rechnungsadresse
bdCity	ans..255	O	Town/city in the invoicing address	Wohnort in der Rechnungsadresse
bdCou ntryCo de	a..3	O	Country code in the invoicing address, 2 or 3 characters according to ISO 3166	Ländercode der Rechnungsadresse zwei- oder dreistellig gemäß ISO 3166
bdPho ne	ans..32	O	Phone number in the billing address	Telefonnummer in der Rechnungsadresse
			Subscriptions	Abonnements
RTF	a1	O	For recurring payments: I = Initial payment of a new subscription R = Routine payment (Recurring)	Bei wiederkehrenden Zahlungen: I = Initialzahlung eines neuen Abos R = Wiederkehrende Zahlung (Recurring)
Token Ext	an..32	OC	In connection with RTF=R TokenExt must be transmitted for referencing the credit card data	In Verbindung mit RTF=R muss TokenExt übergeben werden, um die Kreditkartendaten zu referenzieren

			Fraud prevention (please notice also the further optional parameters and response values for Fraud prevention)	Betrugsprävention (beachten Sie bitte auch die weiteren optionalen Parameter und Rückgabewerte zur Betrugsprävention)
IPAddr	ans..15	M	IP address. With this parameter Paygate can determine in which country and in which town your customer has connected with the Internet (see also IPZone). Format: 123.456.789.012	IP-Adresse. Damit kann das Paygate ermitteln, in welchem Land und welcher Stadt Ihr Kunde mit dem Internet verbunden ist (vgl. IPZone). Format 123.456.789.012

Parameters for credit card payments with Be2bill via socket connection

The following table describes the result parameters with which the Computop Paygate responds to your system

 pls. be prepared to receive additional parameters at any time and do not check the order of parameters

 the key (e.g. MerchantId, RefNr) should not be checked case-sensitive

Key	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 RefNr 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	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.
Status	a..50	M	OK or AUTHORIZE_REQUEST (URLSuccess) as well as FAILED (URLFailure)
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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
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.
ErrorText	ans..128	O	Detailed Be2bill error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .
PCNr	n16	O	Pseudo Card Number: Random number generated by Computop 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. The PCN can be used like a genuine card number for authorisation, capture and credits. PCNr is a response value from Computop Paygate and is sent as CCNr in Request or part of card-JSON
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

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files The PayID is submitted together with the RefNr and separated by to Be2bill within the parameter ExtraData: PayID RefNr.	Vom Paygate vergebene ID für die Zahlung, z.B. zur Referenzierung in Batch-Dateien. Die PayID wird durch ein getrennt mit der RefNr an Be2bill im Parameter ExtraData übergeben: PayID RefNr.

Key	Format	CND	Description	Beschreibung
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	Format	CND	Description	Beschreibung
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Entspricht der Be2bill OrderID.

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK or AUTHORIZE_REQUEST (URLSuccess) as well as FAILED (URLFailure)	OK oder AUTHORIZE_REQUEST (URLSuccess) sowie FAILED (URLFailure)

Key	Format	CND	Description	Beschreibung
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!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie nicht den Parameter Description , sondern Code für die Auswertung des Transaktionsstatus!

Key	Format	CND	Description	Beschreibung
Code	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
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.	Eindeutige Referenznummer. Die RefNr wird durch ein getrennt mit der PayID an Be2bill im Parameter ExtraData übergeben: PayID RefNr.

Key	Format	CND	Description	Beschreibung
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.	Wenn beim Aufruf angegeben, übergibt das Paygate die Parameter mit dem Zahlungsergebnis an den Shop.

Key	Format	CND	Description	Beschreibung
ErrorText	ans..128	O	Detailed Be2bill error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .	Detaillierte Be2bill Fehlermeldung. Hinweis: Wird nur bei Status=FAILED zurückgegeben. Nutzung nur in Abstimmung mit dem Computop Helpdesk möglich.

Key	Format	CND	Description	Beschreibung
PCNr	n16	O	Pseudo Card Number: Random number generated by Computop 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. The PCN can be used like a genuine card number for authorisation, capture and credits. PCNr is a response value from Computop Paygate and is sent as CCNr in Request or part of card -JSON	Pseudo Card Number: Vom Computop Paygate generierte Zufallszahl, die eine reale Kreditkartennummer repräsentiert. Die Pseudokartennummer (PKN) beginnt mit 0, und die letzten 3 Stellen entsprechen denen der realen Kartennummer. Die PKN kann wie eine Kreditkartennummer für Autorisierung, Buchung und Gutschriften verwendet werden. PCNr ist ein Antwortwert von Computop Paygate und kann ebenfalls als CCNr im Request oder als Teil von card -JSON verwendet werden.

Key	Format	CND	Description	Beschreibung
CCBrand	a..22	O	In combination with PCNr: Name of credit card brand, e. g. Visa, MasterCard, Cartes Bancaires	In Verbindung mit PCNr: Bezeichnung der Kreditkartenmarke wie VISA, MasterCard, Cartes Bancaires
CCEpiry	n6	O	In combination with PCNr: Expiry date of the credit card in the format YYYYMM.	In Verbindung mit PCNr: Ablaufdatum der Kreditkarte im Format JJJJMM
TokenExt	an..32	O	For recurring payments (RTF=I) the TokenExt is transmitted for referencing the credit card data	Bei wiederkehrenden Zahlungen (RTF=I) wird der TokenExt übergeben, um die Kreditkartendaten zu referenzieren
TransactionID	an..32	O	Transaction ID from Be2bill	Transaktions-ID von 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, Computop 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](#):

Key	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	an32	M	ID assigned by Paygate for the payment to be captured
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment to be captured	Vom Paygate vergebene ID für die zu buchende Zahlung

Key	Format	CND	Description	Beschreibung
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Entspricht der Be2bill OrderID.

Key	Format	CND	Description	Beschreibung
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: HMAC-Authentisierung (Anfrage) HMAC-Authentisierung (Notify)

Key	Format	CND	Description	Beschreibung
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	Format	CND	Description	Beschreibung
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Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle
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Key	Format	CND	Description	Beschreibung
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.	Um Doppelzahlungen (z.B. durch ETM) zu vermeiden, übergeben Sie einen alphanumerischen Wert, der Ihre Transaktion oder Aktion identifiziert und nur einmal vergeben werden darf. Falls die Transaktion oder Aktion mit derselben ReqID erneut eingereicht wird, führt das Computop Paygate keine Zahlung oder weitere Aktion aus, sondern gibt nur den Status der ursprünglichen Transaktion oder Aktion zurück. Bitte beachten Sie, dass das Computop Paygate für die erste initiale Aktion (Authentifizierung/Autorisierung) einen abgeschlossenen Transaktionsstatus haben muss. Dies gilt nicht für 3-D Secure Authentifizierungen, die durch einen Timeout beendet werden. Der Status 3-D Secure Timeout gilt nicht als abgeschlossener Status, bei dem ReqID-Funktionalität am Paygate nicht greift. Einreichungen mit identischer ReqID auf einen offenen Status werden regulär verarbeitet. Hinweis: Bitte beachten Sie, dass eine ReqID nur 12 Monate gültig ist, danach wird sie vom Paygate gelöscht.

Parameters for captures of Be2bill via socket connections

The following table describes the result parameters with which the Computop Paygate responds to your system

 pls. be prepared to receive additional parameters at any time and do not check the order of parameters

 the key (e.g. MerchantId, RefNr) should not be checked case-sensitive

Key	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 as well as for capture or credit request.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	Format	CND	Description	Beschreibung
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	Format	CND	Description	Beschreibung
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Entspricht der Be2bill OrderID.

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	Format	CND	Description	Beschreibung
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Description	ans..1024	M	Further details in the event that payment is rejected. Please d o not use the Description but the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie nicht den Parameter Description , sondern Code für die Auswertung des Transaktionsstatus!
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Key	Format	CND	Description	Beschreibung
Code	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

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>

Notice: For security reasons, Computop 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](#):

Key	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	an32	M	ID assigned by Paygate for the payment to be credited
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment to be credited	Vom Paygate vergebene ID für die gutzuschreibende Zahlung

Key	Format	CND	Description	Beschreibung
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Entspricht der Be2bill OrderID.

Key	Format	CND	Description	Beschreibung
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	Format	CND	Description	Beschreibung
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: HMAC-Authentisierung (Anfrage) HMAC-Authentisierung (Notify)

Key	Format	CND	Description	Beschreibung
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.	Um Doppelzahlungen (z.B. durch ETM) zu vermeiden, übergeben Sie einen alphanumericen Wert, der Ihre Transaktion oder Aktion identifiziert und nur einmal vergeben werden darf. Falls die Transaktion oder Aktion mit derselben ReqID erneut eingereicht wird, führt das Computop Paygate keine Zahlung oder weitere Aktion aus, sondern gibt nur den Status der ursprünglichen Transaktion oder Aktion zurück. Bitte beachten Sie, dass das Computop Paygate für die erste initiale Aktion (Authentifizierung/Autorisierung) einen abgeschlossenen Transaktionsstatus haben muss. Dies gilt nicht für 3-D Secure Authentifizierungen, die durch einem Timeout beendet werden. Der Status 3-D Secure Timeout gilt nicht als abgeschlossener Status, bei dem ReqID-Funktionalität am Paygate nicht greift. Einreichungen mit identischer ReqID auf einen offenen Status werden regulär verarbeitet. Hinweis: Bitte beachten Sie, dass eine ReqID nur 12 Monate gültig ist, danach wird sie vom Paygate gelöscht.

Parameters for credit payments with Be2bill via socket connection

The following table describes the result parameters with which the Computop Paygate responds to your system

 pls. be prepared to receive additional parameters at any time and do not check the order of parameters

 the key (e.g. MerchantId, RefNr) should not be checked case-sensitive

Key	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 as well as for capture or credit request.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	Format	CND	Description	Beschreibung
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	Format	CND	Description	Beschreibung
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TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Entspricht der Be2bill OrderID.
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Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	Format	CND	Description	Beschreibung
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!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie nicht den Parameter Description , sondern Code für die Auswertung des Transaktionsstatus!

Key	Format	CND	Description	Beschreibung
Code	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

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.comutop-paygate.com/reverse.aspx>

Notice: For security reasons, Computop 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](#):

Key	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	an32	M	ID assigned by Paygate for the payment to be reversed
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.

Key	Format	CND	Description	Beschreibung
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PayID	an32	M	ID assigned by Paygate for the payment to be reversed	Vom Paygate vergebene ID für die zu stornierende Zahlung
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Key	Format	CND	Description	Beschreibung
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Entspricht der Be2bill OrderID.

Key	Format	CND	Description	Beschreibung
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	Format	CND	Description	Beschreibung
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: HMAC-Authentisierung (Anfrage) HMAC-Authentisierung (Notify)

Key	Format	CND	Description	Beschreibung
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.	Um Doppelzahlungen (z.B. durch ETM) zu vermeiden, übergeben Sie einen alphanumerischen Wert, der Ihre Transaktion oder Aktion identifiziert und nur einmal vergeben werden darf. Falls die Transaktion oder Aktion mit derselben ReqID erneut eingereicht wird, führt das Computop Paygate keine Zahlung oder weitere Aktion aus, sondern gibt nur den Status der ursprünglichen Transaktion oder Aktion zurück. Bitte beachten Sie, dass das Computop Paygate für die erste initiale Aktion (Authentifizierung/Autorisierung) einen abgeschlossenen Transaktionsstatus haben muss. Dies gilt nicht für 3-D Secure Authentifizierungen, die durch einem Timeout beendet werden. Der Status 3-D Secure Timeout gilt nicht als abgeschlossener Status, bei dem ReqID-Funktionalität am Paygate nicht greift. Einreichungen mit identischer ReqID auf einen offenen Status werden regulär verarbeitet. Hinweis: Bitte beachten Sie, dass eine ReqID nur 12 Monate gültig ist, danach wird sie vom Paygate gelöscht.

Parameters for reversals with Be2bill via socket connection

The following table describes the result parameters with which the Computop Paygate responds to your system

 pls. be prepared to receive additional parameters at any time and do not check the order of parameters

 the key (e.g. MerchantID, RefNr) should not be checked case-sensitive

Key	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 as well as for capture or credit request.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	Format	CND	Description	Beschreibung
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	Format	CND	Description	Beschreibung
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Entspricht der Be2bill OrderID.

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	Format	CND	Description	Beschreibung
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!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie nicht den Parameter Description , sondern Code für die Auswertung des Transaktionsstatus!

Key	Format	CND	Description	Beschreibung
Code	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

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. Within batch processing not all functions are available which are usually available for the online interface.

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>

```

Example for Master MID function:

```

HEAD,[Master]MerchantID,Date,2.x
Type,Action,[Slave]MID,Amount,Currency,TransID,Data (depends on Action)
FOOT,CountRecords,SumAmount

```

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

Key	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..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.
RefNr	ns..30	O	Unique reference number
PayID	an32	M	ID assigned by Paygate for this transaction

Key	Format	CND	Description	Beschreibung
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	Format	CND	Description	Beschreibung
TransID	ans..40	M	ID assigned by Merchant for the payment process to be credited. Matches the Be2bill OrderID.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Entspricht der Be2bill OrderID.
RefNr	ns..30	O	Unique reference number	Eindeutige Referenznummer

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for this transaction	Vom Paygate vergebene ID für diese Transaktion

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):

Key	Format	CND	Description
Action	a..20	M	The parameter Action defines the type of transaction: Capture Credit Reverse (cancellation)
PayID	an32	M	ID assigned by Paygate for this transaction
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Code	an8	M	Error code according to Paygate Response Codes (A4 Error codes)

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for this transaction	Vom Paygate vergebene ID für diese Transaktion

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	Format	CND	Description	Beschreibung
Code	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Description of result parameters within the record for Batch files

Test data

Be2bill provides specific Sandbox test data: [Test Be2Bill Sandbox](#)