

PayMorrow

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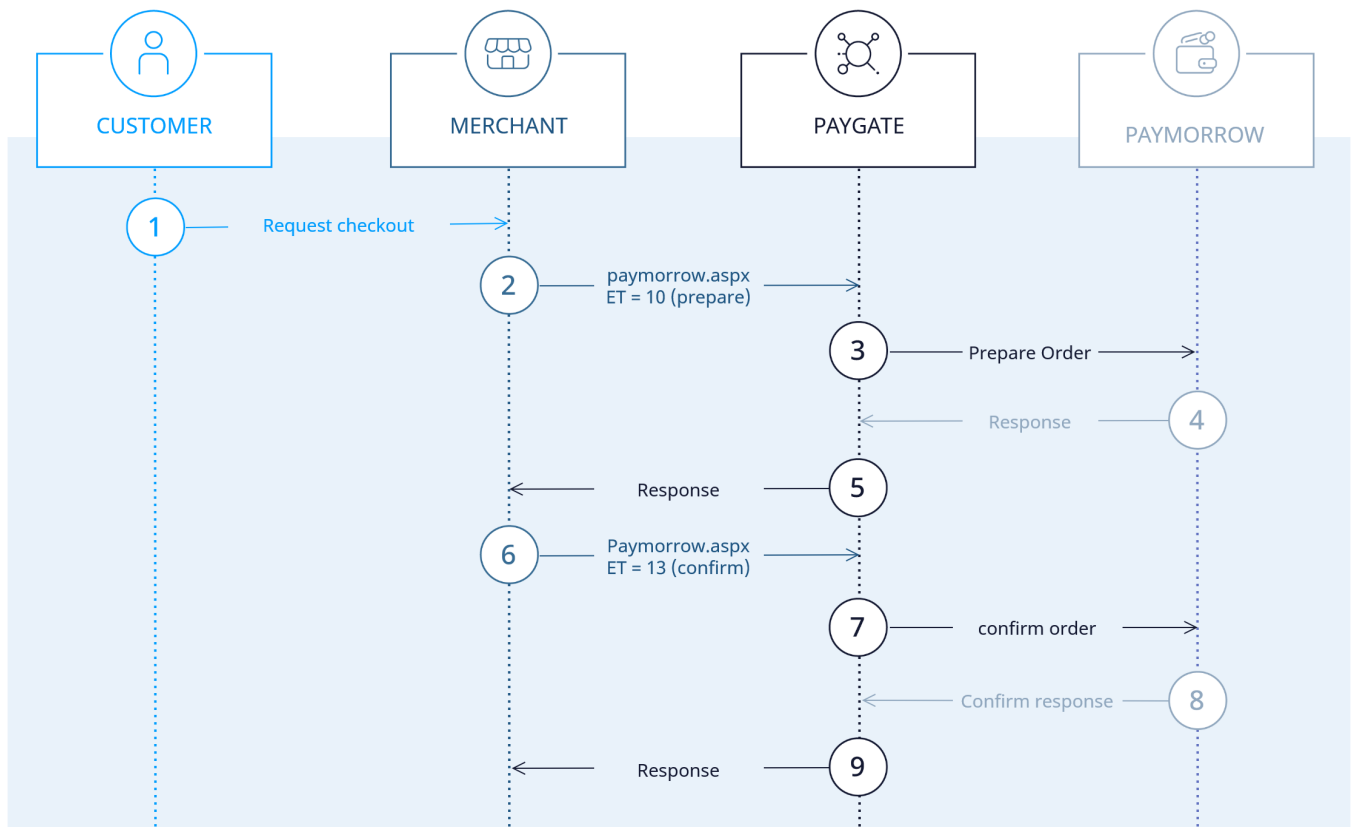
About PayMorrow

General information about PayMorrow

Logo	 The logo for PayMorrow, featuring the word "PAYMORROW" in a bold, sans-serif font. "PAY" is in black and "MORROW" is in red. To the right of the text is a red stylized arrow pointing to the right.
Info	PayMorrow supports invoice purchasing and secured direct debit in Germany. Merchants benefit from comprehensive protection against bad debt.
Type	Mixed payment methods

Further information can be found on the webpage of PayMorrow (<https://paymorrow.de/>).

Process flow chart



PayMorrow process flow

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
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.

PayMorrow purchase on invoice and direct debit

A payment with PayMorrow consists of several transaction steps, which are partly optional and depend on the situation. The PayMorrow interface offers 12 different requests for this, which can be used in different ways.

During the creation of an authorisation or at the latest when confirming it, PayMorrow requires a DeviceID which is unique and which the merchant himself can assign. A UUID with 128 bits should be used for this. This UUID is generated during communication with the customer's browser and is then transferred to Paygate in one of the requests.

A payment with PayMorrow always starts by creating an authorisation, which can still be updated if necessary. Subsequently, this authorisation must be confirmed. Optionally a received TransID of an order can still be changed before the capture. The capture or partial capture of payments takes place via the usual capture interface. Note that with PayMorrow you must make sure that a payment received in another way (bank transfer) must also be noted in this way in the capture. If necessary, you can optionally update an invoice number after capture. You can determine the status of a procedure by means of a query. In addition you can optionally shift the date for an order or individual invoices belonging to it by pausing them. Furthermore, cancellations as well as credits and partial credits are possible via the usual interfaces.

Creating/updating a PayMorrow authorisation

In order to initialise a payment with PayMorrow via a server-to-server-connection or to update an existing authorisation, please use the following URL:

<https://www.computop-paygate.com/paymorrow.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..64	M	TransactionID provided by you which should be unique for each payment
PayID	an32	C	Obligatory if EventToken=11: ID assigned by Paygate for the payment, e.g. for referencing in batch files
RefNr	ns..30	M	Unique reference number
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. Only EUR permissible. Please find an overview here: A1 Currency table
TaxAmount	n..10	M	Tax amount of the entire order in the smallest currency unit (e.g. EUR Cent). Please note that: TaxAmount = Amount * x/(1+x), where x is the VAT rate. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
OrderDesc	ans..384	M	Description of purchased goods, unit prices etc. The first 50 characters appear in the merchant's settlement file. You can view the full data in Computop Analytics.

EventToken	a2	M	10 for prepareOrder (create authorisation) 11 for updateOrder (update authorisation)
TermsAndConditions	a..3	M	YES/NO
ArticleList	ans..1024	M	Article list with the following parameters: „,“ separates the single parameters „+“ separates several articles Quantity;ArticleID;Name;Type;Category;UnitPriceGross;GrossAmount;VatRate;VatAmount Possible values for “type”: GOODS, VOUCHER, SHIPPING, PAYMENT_FEE Please use the values specified for “Category” from the Paymorrow specification. Example “VatRate”: for 19%, enter 1900
CustomerID	ans..50	O	Customer number
Title	ans..20	O	Title, e.g. Dr.
Gender	a1	M	Gender (M=male/F=female)
FirstName	ans..50	M	First name
LastName	ans..100	M	Last name
Phone	ans..20	OC	Telephone number. Either Phone or MobileNo or both need to be present.
MobileNo	ans..50	OC	Mobile telephone number. Either Phone or MobileNo or both need to be present.
e-mail	ans..80	M	E-mail address
DateOfBirth	ans8	M	Date of birth in the format YYYYMMDD
bdStreet	ans..50	M	Street name in the invoicing address
bdStreetNr	ans..5	M	Street number of the invoicing address
bdZIP	ans..5	M	Postcode in the invoicing address
bdCity	ans..50	M	Town/city of the invoicing address
bdCountryCode	a3	M	Country code for the invoicing address, 3 characters according to ISO 3166
sdLastName	ans..50	O	Name of company
sdStreet	ans..50	O	Street name of the separate delivery address
sdStreetNr	n..5	O	Street number of the delivery address
sdStreet2	ans..50	O	Address addition in the delivery address
sdZIP	ans..5	O	Postcode in the delivery address
sdCity	ans..50	O	Town/city in the delivery address
sdCountryCode	a3	O	Country code for the delivery address, 3 characters according to ISO 3166
IPAddr	ans..15	O	Customer’s IP address
BrowserSessionID	ans..50	M	Customer’s Session ID
CookiesID	ans..50	M	Customer’s CookieID
BrowserHeader	ans..100	M	Customer’s BrowserHeader
Language	a2	M	Language: DE
IBAN	ans..34	O	International Bank Account Number
BIC	ans..11	O	Bank Identifier Code
MandateProvided	a..3	O	SEPA mandate issued YES / NO
RPMMethod	a..10	O	INVOICE / SDD (SEPA direct debit) If nothing is transferred both payment methods are validated, otherwise PayMorrow validates only this one.

CustomerHistory	ans..1024	O	Customer's article list in the form: OrderDate;totalAmount;RPMMethod;Paymentstatus OrderDate = YYYY-MM-DD Paymentstatus = PAID,NOT_PAID,IN_DUNNING_PROCESS "+" separates further entries
ShoppingDuration	n..100	O	Shopping duration in milliseconds
CheckoutDuration	n..100	O	Checkout duration in milliseconds
DeviceID	ans..100	O	Unique Device-ID

Key	Format	CND	Description	Beschreibung
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	Format	CND	Description	Beschreibung
PayID	an32	C	Obligatory if EventToken=11: ID assigned by Paygate for the payment, e.g. for referencing in batch files	Pflicht bei EventToken=11: Vom Paygate vergebene ID für die Zahlung, z.B. zur Referenzierung in Batch-Dateien
RefNr	ns..30	M	Unique reference number	Eindeutige Referenznummer

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. Only EUR permissible. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217. Nur EUR zulässig. Hier eine Übersicht: A1 Währungstabelle

Key	Format	CND	Description	Beschreibung
TaxAmount	n..10	M	Tax amount of the entire order in the smallest currency unit (e.g. EUR Cent). Please note that: TaxAmount = Amount * x/(1+x), where x is the VAT rate. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).	Steuerbetrag der gesamten Bestellung in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte beachten Sie, dass: TaxAmount = Amount * x/(1+x), wobei x der Mehrwertsteuersatz ist. Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

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
OrderDesc	ans..384	M	Description of purchased goods, unit prices etc. The first 50 characters appear in the merchant's settlement file. You can view the full data in Computop Analytics.	Beschreibung der gekauften Waren, Einzelpreise etc. Die ersten 50 Zeichen erscheinen auf dem Settlement File des Händlers. In Computop Analytics können Sie die kompletten Daten einsehen.
EventToken	a2	M	10 for prepareOrder (create authorisation) 11 for updateOrder (update authorisation)	10 für prepareOrder (Autorisierung anlegen) 11 für updateOrder (Autorisierung aktualisieren)
TermsAndConditions	a..3	M	YES/NO	YES/NO

Article List	ans..1024	M	Article list with the following parameters: „“ separates the single parameters „+“ separates several articles Quantity;ArticleID;Name;Type;Category;UnitPriceGross;GrossAmount;VatRate;VatAmount Possible values for „type“: GOODS, VOUCHER, SHIPPING, PAYMENT_FEE Please use the values specified for „Category“ from the Paymorrow specification. Example „VatRate“: for 19%, enter 1900	Artikelliste mit folgenden Parametern: „“ trennt die einzelnen Parameter „+“ trennt mehrere Artikel Quantity;ArticleID;Name;Type;Category;UnitPriceGross;GrossAmount;VatRate;VatAmount Mögliche Werte für „Type“: GOODS, VOUCHER, SHIPPING, PAYMENT_FEE Bitte entnehmen Sie die vorgegebenen Werte für „Category“ aus der Paymorrow-Spezifikation. Beispiel „VatRate“: für 19% übergeben Sie 1900
CustomerID	ans..50	O	Customer number	Kundennummer
Title	ans..20	O	Title, e.g. Dr.	Titel, z.B. Dr.
Gender	a1	M	Gender (M=male/F=female)	Geschlecht (M=male / F=female)
FirstName	ans..50	M	First name	Vorname
LastName	ans..100	M	Last name	Nachname
Phone	ans..20	OC	Telephone number. Either Phone or MobileNo or both need to be present.	Telefonnummer. Entweder Phone oder MobileNo oder beide müssen angegeben sein.
MobileNo	ans..50	OC	Mobile telephone number. Either Phone or MobileNo or both need to be present.	Mobiletelefonnummer. Entweder Phone oder MobileNo oder beide müssen angegeben sein.
e-mail	ans..80	M	E-mail address	E-Mail-Adresse
DateOfBirth	ans8	M	Date of birth in the format YYYYMMDD	Geburtsdatum im Format JJJJMMTT
bdStreet	ans..50	M	Street name in the invoicing address	Straßenname der Rechnungsadresse
bdStreetNr	ans..5	M	Street number of the invoicing address	Hausnummer der Rechnungsadresse
bdZIP	ans..5	M	Postcode in the invoicing address	Postleitzahl der Rechnungsadresse
bdCity	ans..50	M	Town/city of the invoicing address	Ort der Rechnungsadresse
bdCountryCode	a3	M	Country code for the invoicing address, 3 characters according to ISO 3166	Ländercode der Rechnungsadresse, dreistellig gemäß ISO 3166
sdLastName	ans..50	O	Name of company	Firmenname
sdStreet	ans..50	O	Street name of the separate delivery address	Straßenname der separaten Lieferadresse
sdStreetNr	n..5	O	Street number of the delivery address	Hausnummer der Lieferadresse
sdStreet2	ans..50	O	Address addition in the delivery address	Adresszusatz in der Lieferadresse
sdZIP	ans..5	O	Postcode in the delivery address	Postleitzahl in der Lieferadresse
sdCity	ans..50	O	Town/city in the delivery address	Ortsname in der Lieferadresse
sdCountryCode	a3	O	Country code for the delivery address, 3 characters according to ISO 3166	Ländercode der Lieferadresse, dreistellig gemäß ISO 3166
IPAddr	ans..15	O	Customer's IP address	IP-Adresse des Kunden
BrowserSessionID	ans..50	M	Customer's Session ID	SessionID des Kunden
CookieSID	ans..50	M	Customer's CookieID	CookieID des Kunden
BrowserHeader	ans..100	M	Customer's BrowserHeader	BrowserHeader des Kunden
Language	a2	M	Language: DE	Sprache: DE

IBAN	ans..34	O	International Bank Account Number	International Bank Account Number
BIC	ans..11	O	Bank Identifier Code	Bank Identifier Code
MandateProvided	a..3	O	SEPA mandate issued YES / NO	SEPA-Mandat erteilt YES / NO
RPMethhod	a..10	O	INVOICE / SDD (SEPA direct debit) If nothing is transferred both payment methods are validated, otherwise PayMorrow validates only this one.	INVOICE / SDD (SEPA-Lastschrift) Wenn nichts übergeben ist, werden beide Zahlarten validiert, sonst validiert PayMorrow nur diese.
CustomerHistory	ans..1024	O	Customer's article list in the form: OrderDate;totalAmount;RPMethhod;Paymentstatus OrderDate = YYYY-MM-DD Paymentstatus = PAID,NOT_PAID,IN_DUNNING_PROCESS "+" separates further entries	Einkaufsverlauf des Kunden in der Form: OrderDate;totalAmount;RPMethhod;Paymentstatus OrderDate = YYYY-MM-DD Paymentstatus = PAID,NOT_PAID,IN_DUNNING_PROCESS „+" trennt weitere Einträge
ShoppingDuration	n..100	O	Shopping duration in milliseconds	Einkaufsdauer in Millisekunden
CheckoutDuration	n..100	O	Checkout duration in milliseconds	Checkout-Dauer in Millisekunden
DeviceID	ans..100	O	Unique Device-ID	Eindeutige Geräte-ID

Parameters for PayMorrow payment initialisations

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..64	M	TransactionID provided by you which should be unique for each payment
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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
RefNr	ns..30	O	Merchant's unique reference number
bdStreet	ans..50	C	Only in case of correction by PayMorrow: Street name in the invoicing address
bdStreetNr	s..5	C	Only in case of correction by PayMorrow: Street number of the invoicing address
bdZIP	ans..5	C	Only in case of correction by PayMorrow: Postcode in the invoicing address
bdCity	ans..50	C	Only in case of correction by PayMorrow: Town/city of the invoicing address
bdCountryCode	a3	C	Only in case of correction by PayMorrow: Country code for the invoicing address, 3 characters according to ISO 3166
sdLastName	ans..50	C	Only in case of correction by PayMorrow: Name of company
sdStreet	ans..50	C	Only in case of correction by PayMorrow: Street name of the separate delivery address
sdStreetNr	n..5	C	Only in case of correction by PayMorrow: Street number of the delivery address
sdStreet2	ans..50	C	Only in case of correction by PayMorrow: Address addition in the delivery address
sdZIP	ans..5	C	Only in case of correction by PayMorrow: Postcode in the delivery address
sdCity	ans..50	C	Only in case of correction by PayMorrow: Town/city in the delivery address

sdCountryCode	a3	C	Only in case of correction by PayMorrow: Country code for the delivery address, 3 characters according to ISO 3166
InvoiceStatus	a..20	M	VALIDATED / NOT_VALIDATED
InvoiceDeclineType	ans..20	M	
InvoiceDeclineCommunicated	ans..512	M	Possible detailed feedback for the customer with regard to purchase on invoice
SDDStatus	a..20	M	VALIDATED / NOT_VALIDATED
SDDDeclineType	ans..20	M	
SDDDeclineCommunicated	ans..512	M	Possible detailed feedback for the customer with regard to SEPA direct debit
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt[n]	n3	O	Forwarded from Paymorrow: error_[n]_code
ErrorText[n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

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..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
RefNr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers
bdStreet	ans..50	C	Only in case of correction by PayMorrow: Street name in the invoicing address	nur bei Korrektur durch PayMorrow: Straßename der Rechnungsadresse
bdStreetNr	s..5	C	Only in case of correction by PayMorrow: Street number of the invoicing address	nur bei Korrektur durch PayMorrow: Hausnummer der Rechnungsadresse
bdZIP	ans..5	C	Only in case of correction by PayMorrow: Postcode in the invoicing address	nur bei Korrektur durch PayMorrow: Postleitzahl der Rechnungsadresse
bdCity	ans..50	C	Only in case of correction by PayMorrow: Town/city of the invoicing address	nur bei Korrektur durch PayMorrow: Ort der Rechnungsadresse

bdCountryCode	a3	C	Only in case of correction by PayMorrow: Country code for the invoicing address, 3 characters according to ISO 3166	nur bei Korrektur durch PayMorrow: Ländercode der Rechnungsadresse, dreistellig gemäß ISO 3166
sdLastName	ans..50	C	Only in case of correction by PayMorrow: Name of company	nur bei Korrektur durch PayMorrow: Firmenname
sdStreet	ans..50	C	Only in case of correction by PayMorrow: Street name of the separate delivery address	nur bei Korrektur durch PayMorrow: Straßenname der separaten Lieferadresse
sdStreetNr	n..5	C	Only in case of correction by PayMorrow: Street number of the delivery address	nur bei Korrektur durch PayMorrow: Hausnummer der Lieferadresse
sdStreet2	ans..50	C	Only in case of correction by PayMorrow: Address addition in the delivery address	nur bei Korrektur durch PayMorrow: Adresszusatz in der Lieferadresse
sdZIP	ans..5	C	Only in case of correction by PayMorrow: Postcode in the delivery address	nur bei Korrektur durch PayMorrow: Postleitzahl in der Lieferadresse
sdCity	ans..50	C	Only in case of correction by PayMorrow: Town/city in the delivery address	nur bei Korrektur durch PayMorrow: Ortsname in der Lieferadresse
sdCountryCode	a3	C	Only in case of correction by PayMorrow: Country code for the delivery address, 3 characters according to ISO 3166	nur bei Korrektur durch PayMorrow: Ländercode der Lieferadresse, dreistellig gemäß ISO 3166
InvoiceStatus	a..20	M	VALIDATED / NOT_VALIDATED	VALIDATED / NOT_VALIDATED
InvoiceDeclineType	ans..20	M		
InvoiceDeclineCommunicated	ans..512	M	Possible detailed feedback for the customer with regard to purchase on invoice	Mögliche detaillierte Rückmeldung für den Kunden bezüglich Rechnungskauf
SDDStatus	a..20	M	VALIDATED / NOT_VALIDATED	VALIDATED / NOT_VALIDATED
SDDDeclineType	ans..20	M		
SDDDeclineCommunicated	ans..512	M	Possible detailed feedback for the customer with regard to SEPA direct debit	Mögliche detaillierte Rückmeldung für den Kunden bezüglich SEPA-Lastschrift
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code	Weitergeleitet von Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc	Weitergeleitet von Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code	Weitergeleitet von Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc	Weitergeleitet von Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt[n]	n3	O	Forwarded from Paymorrow: error_[n]_code	Weitergeleitet von Paymorrow: error_[n]_code
ErrorText[n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc	Weitergeleitet von Paymorrow, bis 15 Wertepaare: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

Response parameters for the PayMorrow payment initialisation

Confirming a PayMorrow authorisation

In order to confirm a PayMorrow authorization, please use the following URL:

<https://www.computop-paygate.com/paymorrow.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, e.g. for referencing in batch files as well as for capture or credit request.
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
EventToken	a2	M	13 for ConfirmOrder (confirm authorisation)

RPMMethod	a..10	C	Obligatory if INVOICE and SDD have been validated
DeviceID	ans..100	C	Obligatory if not yet transferred: Unique Device-ID

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
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
EventToken	a2	M	13 for ConfirmOrder (confirm authorisation)	13 für ConfirmOrder (Autorisierung bestätigen)
RPMMethod	a..10	C	Obligatory if INVOICE and SDD have been validated	Pflicht, wenn INVOICE und SDD validiert worden sind
DeviceID	ans..100	C	Obligatory if not yet transferred: Unique Device-ID	Pflicht, wenn noch nicht übergeben: Eindeutige Geräte-ID

Parameters for the confirmation of a PayMorrow authorisation

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..64	M	TransactionID provided by you which should be unique for each payment
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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
RefNr	ns..30	M	Merchant's unique reference number
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt [n]	n3	O	Forwarded from Paymorrow: error_[n]_code
ErrorText [n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

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..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
RefNr	ns..30	M	Merchant's unique reference number	Eindeutige Referenznummer des Händlers
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code	Weitergeleitet von Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc	Weitergeleitet von Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code	Weitergeleitet von Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc	Weitergeleitet von Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt[n]	n3	O	Forwarded from Paymorrow: error_[n]_code	Weitergeleitet von Paymorrow: error_[n]_code
ErrorText[n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc	Weitergeleitet von Paymorrow, bis 15 Wertepaare: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

Reply parameters for the confirmation of a PayMorrow authorisation

Changing the PayMorrow TransID of an order

In order to change the TransID of a PayMorrow order, for instance to change a provisional order number into a final order number, please use the following URL:

<https://www.computop-paygate.com/paymorrow.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, e.g. for referencing in batch files as well as for capture or credit request.

TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
EventToken	a2	M	12 for updateOrderID (change order number)

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
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

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
EventToken	a2	M	12 for updateOrderID (change order number)	12 für updateOrderID (Bestellnummer ändern)

Parameters for changing the PayMorrow TransID

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..64	M	TransactionID provided by you which should be unique for each payment
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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
RefNr	ns..30	M	Merchant's unique reference number
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt [n]	n3	O	Forwarded from Paymorrow: error_[n]_code
ErrorText [n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

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..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
RefNr	ns..30	M	Merchant's unique reference number	Eindeutige Referenznummer des Händlers
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code	Weitergeleitet von Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc	Weitergeleitet von Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code	Weitergeleitet von Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc	Weitergeleitet von Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt[n]	n3	O	Forwarded from Paymorrow: error_[n]_code	Weitergeleitet von Paymorrow: error_[n]_code
ErrorText[n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc	Weitergeleitet von Paymorrow, bis 15 Wertepaare: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

Reply parameters for changing the PayMorrow TransID

Capture a PayMorrow payment (full / partial capture)

In order to execute a capture or partial capture for a PayMorrow order or to note another receipt of payment, 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, e.g. for referencing in batch files as well as for capture or credit request.
TransID	ans..64	MC	ID assigned by Merchant for the payment process to be captured. Optional if EventToken=27: serves to settle an order or all associated invoices after transfer of the original TransID
Amount	n..10	M	Amount of the entire order to be captured in the smallest currency unit (e.g. EUR Cent). Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217. Only EUR permissible. Please find an overview here: A1 Currency table
TaxAmount	n..10	M	Tax amount of the entire order to be captured in the smallest currency unit (e.g. EUR Cent). Please note that: TaxAmount = Amount * x/(1+x), where x is the VAT rate. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
RefNr	ns..30	MC	Unique reference number / invoice number Optional if EventToken=27: to settle a certain invoice after transfer of the original RefNr
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.
EventToken	a2	M	21 for partial capture 22 for partial capture with approval of the remaining authorised amount 27 for registerDirectPayment (capture of a payment receipt via a different way)
ArticleList	ans..1024	C	Not if EventToken=27; obligatory if EventToken=21 or 22 Article list with the following parameters: "," separates the individual parameters "+" separates several articles Quantity;ArticleID;Name;Type;Category;UnitPriceGross;GrossAmount;VatRate;VatAmount Possible values for "type": GOODS, VOUCHER, SHIPPING, PAYMENT_FEE Please use the values specified for "Category" from the Paymorrow specification. Example "VatRate": for 19%, enter 1900 Optional and only by arrangement with PayMorrow, also the following short article list: VatRate;VatAmount

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
TransID	ans..64	MC	ID assigned by Merchant for the payment process to be captured. Optional if EventToken=27: serves to settle an order or all associated invoices after transfer of the original TransID	Vom Händler initial vergebene ID für den zu buchenden Zahlungsvorgang. Bei EventToken=27 optional: dient zum Begleichen einer Bestellung bzw. aller zugehörigen Rechnungen nach Übergabe der ursprünglichen TransID

Amount	n..10	M	Amount of the entire order to be captured in the smallest currency unit (e.g. EUR Cent). Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).	Betrag der zu buchenden Bestellung in der kleinsten Währungseinheit (z. B. EUR Cent). Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.
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Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217. Only EUR permissible. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217. Nur EUR zulässig. Hier eine Übersicht: A1 Währungstabelle

Key	Format	CND	Description	Beschreibung
TaxAmount	n..10	M	Tax amount of the entire order to be captured in the smallest currency unit (e.g. EUR Cent). Please note that: TaxAmount = Amount * x/(1+x), where x is the VAT rate. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).	Steuerbetrag der zu buchenden Bestellung in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte beachten Sie, dass: TaxAmount = Amount * x/(1+x), wobei x der Mehrwertsteuersatz ist. Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

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	ns..30	MC	Unique reference number / invoice number Optional if EventToken=27: to settle a certain invoice after transfer of the original RefNr	Eindeutige Referenz / Rechnungsnummer Bei EventToken=27 optional: zum Begleichen einer bestimmten Rechnung nach Übergabe der ursprünglichen RefNr

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.

Key	Format	CND	Description	Beschreibung
EventToken	a2	M	21 for partial capture 22 for partial capture with approval of the remaining authorised amount 27 for registerDirectPayment (capture of a payment receipt via a different way)	21 für Teilbuchung 22 für Teilbuchung mit Freigabe des restlichen autorisierten Betrages 27 für registerDirectPayment (Buchung eines Zahlungseingangs über einen anderen Weg)

ArticleList	ans..1024	C	Not if EventToken=27; obligatory if EventToken=21 or 22 Article list with the following parameters: "," separates the individual parameters "+" separates several articles Quantity;ArticleID;Name;Type;Category;UnitPriceGross;GrossAmount;VatRate;VatAmount Possible values for "type": GOODS, VOUCHER, SHIPPING, PAYMENT_FEE Please use the values specified for "Category" from the Paymorrow specification. Example "VatRate": for 19%, enter 1900 Optional and only by arrangement with PayMorrow, also the following short article list: VatRate;VatAmount	Nicht bei EventToken=27; Pflicht bei EventToken=21 oder 22 Artikelliste mit folgenden Parametern: "," trennt die einzelnen Parameter "+" trennt mehrere Artikel Quantity;ArticleID;Name;Type;Category;UnitPriceGross;GrossAmount;VatRate;VatAmount Mögliche Werte für „Type“: GOODS, VOUCHER, SHIPPING, PAYMENT_FEE Bitte entnehmen Sie die vorgegebenen Werte für „Category“ aus der Paymorrow-Spezifikation. Beispiel „VatRate“: für 19% übergeben Sie 1900 Optional und nur nach Vereinbarung mit PayMorrow auch folgende kurze Artikelliste: VatRate;VatAmount
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Parameters for capture of a PayMorrow payment

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..64	M	TransactionID provided by you which should be unique for each payment
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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
RefNr	ns..30	M	Unique reference number / invoice number
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt [n]	n3	O	Forwarded from Paymorrow: error_[n]_code
ErrorText [n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

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..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss
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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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
RefNr	ns..30	M	Unique reference number / invoice number	Eindeutige Referenz / Rechnungsnummer
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code	Weitergeleitet von Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc	Weitergeleitet von Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code	Weitergeleitet von Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc	Weitergeleitet von Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt[n]	n3	O	Forwarded from Paymorrow: error_[n]_code	Weitergeleitet von Paymorrow: error_[n]_code
ErrorText[n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc	Weitergeleitet von Paymorrow, bis 15 Wertepaare: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

Response parameters for capturing a PayMorrow payment

Updating PayMorrow invoice numbers

In order to update an invoice number for a PayMorrow payment that was not yet known at the time of the capture, please use the following URL:

<https://www.computop-paygate.com/paymorrow.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, 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
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
RefNr	ns..30	M	Unique reference number / invoice number
EventToken	a2	M	24 for updateInvoiceID (update invoice number)

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
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	ns..30	M	Unique reference number / invoice number	Eindeutige Referenz / Rechnungsnummer
EventToken	a2	M	24 for updateInvoiceID (update invoice number)	24 für updateInvoiceID (Rechnungsnummer aktualisieren)

Parameters for the updating of an invoice number with PayMorrow payments

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..64	M	TransactionID provided by you which should be unique for each payment
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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
RefNr	ns..30	M	Unique reference number / invoice number
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt [n]	n3	O	Forwarded from Paymorrow: error_[n]_code
ErrorText [n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

Key	Format	CND	Description	Beschreibung
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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.
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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..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
RefNr	ns..30	M	Unique reference number / invoice number	Eindeutige Referenz / Rechnungsnummer
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code	Weitergeleitet von Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc	Weitergeleitet von Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code	Weitergeleitet von Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc	Weitergeleitet von Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt[n]	n3	O	Forwarded from Paymorrow: error_[n]_code	Weitergeleitet von Paymorrow: error_[n]_code
ErrorText[n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc	Weitergeleitet von Paymorrow, bis 15 Wertepaare: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

Reply parameters for the updating of an invoice number with PayMorrow payments

Querying a PayMorrow order status

In order to query the status of a PayMorrow order, please use the following URL:

<https://www.computop-paygate.com/inquire.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
Merchant ID	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, e.g. for referencing in batch files as well as for capture or credit request.
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. Only EUR permissible. 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)
EventToken	a2	M	52 for getOrderStatus (query order status)

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
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. Only EUR permissible. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217. Nur EUR zulässig. 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
EventToken	a2	M	52 for getOrderStatus (query order status)	52 für getOrderStatus (Bestellstatus abfragen)

Parameters for querying the status of a PayMorrow order

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
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
LastStatus	a..50	M	OK or FAILED

Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
RefNr	ns..30	M	Unique reference number
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt[n]	n3	O	Forwarded from Paymorrow: error_[n]_code
ErrorText[n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

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
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	Format	CND	Description	Beschreibung
LastStatus	a..50	M	OK or FAILED	OK oder FAILED

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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
RefNr	ns..30	M	Unique reference number	Eindeutige Referenznummer
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code	Weitergeleitet von Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc	Weitergeleitet von Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code	Weitergeleitet von Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc	Weitergeleitet von Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt[n]	n3	O	Forwarded from Paymorrow: error_[n]_code	Weitergeleitet von Paymorrow: error_[n]_code
ErrorText[n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc	Weitergeleitet von Paymorrow, bis 15 Wertepaare: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

Reply parameters for querying the status of a PayMorrow order

Pausing PayMorrow payments

In order to pause an order or a payment with PayMorrow, please use the following URL:

<https://www.computop-paygate.com/paymorrow.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, e.g. for referencing in batch files as well as for capture or credit request.
XID	an32	O	XID of the transaction to be paused. If no XID is transferred, the entire order is paused.
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
RefNr	ns..30	C	Obligatory if EventToken=26: Unique reference number
EventToken	a2	M	for postponeOrderCollection (capture): 26 (pauses the capture specified with XID) 53 (paused all captures belonging to the payment)
NumberOfDays	n..3	M	Number of days by which the order/payment is to be put back

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	O	XID of the transaction to be paused. If no XID is transferred, the entire order is paused.	XID der zu pausierenden Transaktion. Wenn keine XID übergeben wird, pausiert die gesamte Bestellung.

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	ns..30	C	Obligatory if EventToken=26: Unique reference number	Pflicht bei EventToken=26: Eindeutige Referenznummer
EventToken	a2	M	for postponeOrderCollection (capture): 26 (pauses the capture specified with XID) 53 (paused all captures belonging to the payment)	für postponeOrderCollection (Buchung): 26 (pausiert die mit XID angegebene Buchung) 53 (pausiert alle zur Zahlung gehörigen Buchungen)

NumberOfDays	n..3	M	Number of days by which the order/payment is to be put back	Anzahl der Tage, um die die Bestellung/Rechnung zurückgestellt werden soll
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Parameters for the pausing of PayMorrow payments

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..64	M	TransactionID provided by you which should be unique for each payment
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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
RefNr	ns..30	M	Unique reference number
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt[n]	n3	O	Forwarded from Paymorrow: error_[n]_code
ErrorText[n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

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..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
RefNr	ns..30	M	Unique reference number	Eindeutige Referenznummer
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code	Weitergeleitet von Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc	Weitergeleitet von Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code	Weitergeleitet von Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc	Weitergeleitet von Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt[n]	n3	O	Forwarded from Paymorrow: error_[n]_code	Weitergeleitet von Paymorrow: error_[n]_code
ErrorText[n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc	Weitergeleitet von Paymorrow, bis 15 Wertepaare: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

Reply parameters for the pausing of PayMorrow payments

Reversal of PayMorrow payments

In order to cancel an order or a payment with PayMorrow, please use the following URL:

<https://www.computop-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, e.g. for referencing in batch files as well as for capture or credit request.
XID	an32	C	Obligatory if EventToken=42: XID of a certain capture
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. Only EUR permissible. 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.
Event Token	a2	M	40 to cancel the order 41 to cancel the capture 42 to cancel a certain partial capture

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	C	Obligatory if EventToken=42: XID of a certain capture	Pflicht bei EventToken=42: XID einer bestimmten Buchung

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. Only EUR permissible. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217. Nur EUR zulässig. 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.

Key	Format	CND	Description	Beschreibung
EventToken	a2	M	40 to cancel the order	40 für Storno der Bestellung
			41 to cancel the capture	41 für Storno der Buchung
			42 to cancel a certain partial capture	42 für Storno einer bestimmten Teilbuchung

Parameters for reversal of a PayMorrow payment

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..64	M	TransactionID provided by you which should be unique for each payment
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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
RefNr	ns..30	M	Unique reference number
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt [n]	n3	O	Forwarded from Paymorrow: error_[n]_code
ErrorText [n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

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..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
RefNr	ns..30	M	Unique reference number	Eindeutige Referenznummer
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code	Weitergeleitet von Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc	Weitergeleitet von Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code	Weitergeleitet von Paymorrow: error_2_code

ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc	Weitergeleitet von Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt[n]	n3	O	Forwarded from Paymorrow: error_[n]_code	Weitergeleitet von Paymorrow: error_[n]_code
ErrorText[n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc	Weitergeleitet von Paymorrow, bis 15 Wertepaare: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

Reply parameters for reversal of PayMorrow payments

Issuing a PayMorrow credit

In order to issue a full or partial credit for a previous capture with PayMorrow, 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, e.g. for referencing in batch files as well as for capture or credit request.
XID	an32	M	ID assigned by Paygate for all single transactions (authorization, capture, credit), which are made for one payment. The XID of the Capture to which the credit is to take place must be transferred here.
Amount	n..10	M	Amount of the entire order to be credited in the smallest currency unit (e.g. EUR Cent). Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
TaxAmount	n..10	M	Tax amount of the entire order to be credited in the smallest currency unit (e.g. EUR Cent). Please note that: TaxAmount = Amount * x/(1+x), where x is the VAT rate. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
RefNr	ns..30	M	Unique reference number for the credit
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.
EventToken	a2	M	30 credit for full amount 31 credit for partial amount 35 credit for full amount with receipt of authorisation for the amount 36 credit for partial capture with receipt of authorisation for the amount

Article List	ans..1024	C	(only with partial credits, EventToken=31 or 36) Article list with the following parameters: "," separates the individual parameters " + " separates several articles Quantity;ArticleID;Name;Type;Category;UnitPriceGross;GrossAmount;VatRate;VatAmount Possible values for "type": GOODS, VOUCHER, SHIPPING, PAYMENT_FEE Please use the values specified for "Category" from the Paymorrow specification. GrossAmount + VatAmount must always be positive. Example "VatRate": for 19%, enter 1900 Optional and only by arrangement with PayMorrow, also the following short article list: VatRate;VatAmount
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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 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 assigned by Paygate for all single transactions (authorization, capture, credit), which are made for one payment. The XID of the Capture to which the credit is to take place must be transferred here.	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	Format	CND	Description	Beschreibung
Amount	n..10	M	Amount of the entire order to be credited in the smallest currency unit (e.g. EUR Cent). Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).	Betrag der gutzuschreibenden Bestellung/Buchung in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.
TaxAmount	n..10	M	Tax amount of the entire order to be credited in the smallest currency unit (e.g. EUR Cent). Please note that: TaxAmount = Amount * x/(1+x), where x is the VAT rate. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).	Steuerbetrag der gutzuschreibenden Bestellung/Buchung in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte beachten Sie, dass: TaxAmount = Amount * x/(1+x), wobei x der Mehrwertsteuersatz ist. Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

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	ns..30	M	Unique reference number for the credit	Eindeutige Referenznummer für die Gutschrift

Key	Format	CND	Description	Beschreibung
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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.
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Key	Format	CND	Description	Beschreibung
EventToken	a2	M	30 credit for full amount 31 credit for partial amount 35 credit for full amount with receipt of authorisation for the amount 36 credit for partial capture with receipt of authorisation for the amount	30 Gutschrift über vollen Betrag 31 Gutschrift über Teilbetrag 35 Gutschrift über vollen Betrag mit Erhalt der Autorisierung für den Betrag 36 Gutschrift über Teilbuchung mit Erhalt der Autorisierung für den Betrag
ArticleList	ans..1024	C	(only with partial credits, EventToken=31 or 36) Article list with the following parameters: "," separates the individual parameters "+" separates several articles Quantity;ArticleID;Name;Type;Category;UnitPriceGross;GrossAmount;VatRate;VatAmount Possible values for "type": GOODS, VOUCHER, SHIPPING, PAYMENT_FEE Please use the values specified for "Category" from the Paymorrow specification. GrossAmount + VatAmount must always be positive. Example "VatRate": for 19%, enter 1900 Optional and only by arrangement with PayMorrow, also the following short article list: VatRate;VatAmount	(nur bei Teilgutschriften, EventToken=31 oder 36) Artikelliste mit folgenden Parametern: "," trennt die einzelnen Parameter "+" trennt mehrere Artikel Quantity;ArticleID;Name;Type;Category;UnitPriceGross;GrossAmount;VatRate;VatAmount Mögliche Werte für „Type“: GOODS, VOUCHER, SHIPPING, PAYMENT_FEE Bitte entnehmen Sie die vorgegebenen Werte für „Category“ aus der Paymorrow-Spezifikation. GrossAmount + VatAmount muss stets positiv sein. Beispiel „VatRate“: für 19% übergeben Sie 1900 Optional und nur nach Vereinbarung mit PayMorrow auch folgende kurze Artikelliste: VatRate;VatAmount

Parameters for crediting of a PayMorrow payment

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..64	M	TransactionID provided by you which should be unique for each payment
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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
RefNr	ns..30	M	Unique reference number
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code

ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt [n]	n3	O	Forwarded from Paymorrow: error_[n]_code
ErrorText [n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

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..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
RefNr	ns..30	M	Unique reference number	Eindeutige Referenznummer
CodeExt	n3	O	Forwarded from Paymorrow: error_1_code	Weitergeleitet von Paymorrow: error_1_code
ErrorText	ans..255	O	Forwarded from Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc	Weitergeleitet von Paymorrow: error_1_technicalDesc + ";" + error_1_consumerShortDesc
CodeExt2	n3	O	Forwarded from Paymorrow: error_2_code	Weitergeleitet von Paymorrow: error_2_code
ErrorText2	ans..255	O	Forwarded from Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc	Weitergeleitet von Paymorrow: error_2_technicalDesc + ";" + error_2_consumerShortDesc
CodeExt[n]	n3	O	Forwarded from Paymorrow: error_[n]_code	Weitergeleitet von Paymorrow: error_[n]_code
ErrorText[n]	ans..255	O	Forwarded from Paymorrow: up to 15 value pairs: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc	Weitergeleitet von Paymorrow, bis 15 Wertepaare: error_[n]_technicalDesc + ";" + error_[n]_consumerShortDesc

Response parameters for crediting a PayMorrow payment

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 alle 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 a PayMorrow transaction and which information can be found within the response file about the payment status.

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

Action	Version	Description
Capture	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)
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)
Reverse	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 capture or credit within a Batch file to be submitted is the following:

```
HEAD,<MerchantID>,<Date>,<Version>
PAYMORROW,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,<TaxAmount>
PAYMORROW,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,<TaxAmount>
PAYMORROW,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, PayMorrow for the transactions
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..64	M	TransactionID provided by you which should be unique for each payment
RefNr	ans..30	O	Unique reference number
PayID	an32	M	ID assigned by Paygate for this transaction
TaxAmount	n..10	M	Tax amount in the smallest currency unit (e.g. EUR Cent). Please note that: TaxAmount = Amount * x/(1+x), where x is the VAT rate. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).

Key	Format	CND	Description	Beschreibung
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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.
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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..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	Format	CND	Description	Beschreibung
RefNr	ans..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

Key	Format	CND	Description	Beschreibung
TaxAmount	n..10	M	Tax amount in the smallest currency unit (e.g. EUR Cent). Please note that: TaxAmount = Amount * x/(1+x), where x is the VAT rate. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).	Steuerbetrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte beachten Sie, dass: TaxAmount = Amount * x/(1+x), wobei x der Mehrwertsteuersatz ist. Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

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>
PAYMORROW,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,<TaxAmount>,<Status>,<Code>
PAYMORROW,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,<TaxAmount>,<Status>,<Code>
PAYMORROW,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	n8	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	n8	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