

PayPal

Note: PayPal Classic API implementation. The implementation is supported for existing merchants only, and the merchants who use Hosted Payment Page (HPP) or Shop Extensions.

About PayPal

General information about PayPal

PayPal is one of the world's leading eWallets for e- and m-Commerce. Around 179 million active members in over 200 countries pay for their online orders with PayPal. Customers in Germany can pay via direct debit, giro pay or credit card (American Express, Diners Club, Discover, MasterCard, Visa). Along with the above payment methods, PayPal PLUS offers purchase on account. Members log into their PayPal account with their email address and a password during checkout and choose the preferred payment method (direct debit, PayPal credit, credit card and, if applicable purchase on account). The amount payable is then immediately credited to their own PayPal account. The usual direct debit periods for transfers or the delay resulting from distribution to collecting services do not apply. This allows real-time payments processing on the Internet.

PayPal Express Checkout

Computop Paygate offers the PayPal Express Checkout to shorten the order process: Your customer does not need to enter any address data but rather click on Checkout with PayPal in the shopping cart area, log on and select the invoice- and delivery address retained by PayPal. Paygate then sends the delivery address as a result parameter back to your shop.

Buyers and vendors are also protected.

PayPal offers buyers and merchants extensive buyer / vendor protection. Buyers are able to claim money back from PayPal in the event of non-fulfilment of a contract of sale. With address verification and PayPal seller protection PayPal removes the merchant of the risk of payment failures in the case of direct debit payments, German credit card payments and unjustified customer complaints. Vendor protection is always linked to PayPal rules and conditions. PayPal risk management with buyer protection and address verification is provided to you via the Computop Paygate.

Payment online globally

PayPal is particularly beneficial for overseas customer acquisition. Computop Paygate supports all currencies and markets offered by PayPal. In many countries PayPal offers customers typical payment methods for their country. Customers abroad can often use typical payment methods such as prepaid cards in Italy or debit cards in the UK. Integrating PayPal into your shop provides your customers with several payment methods at once.

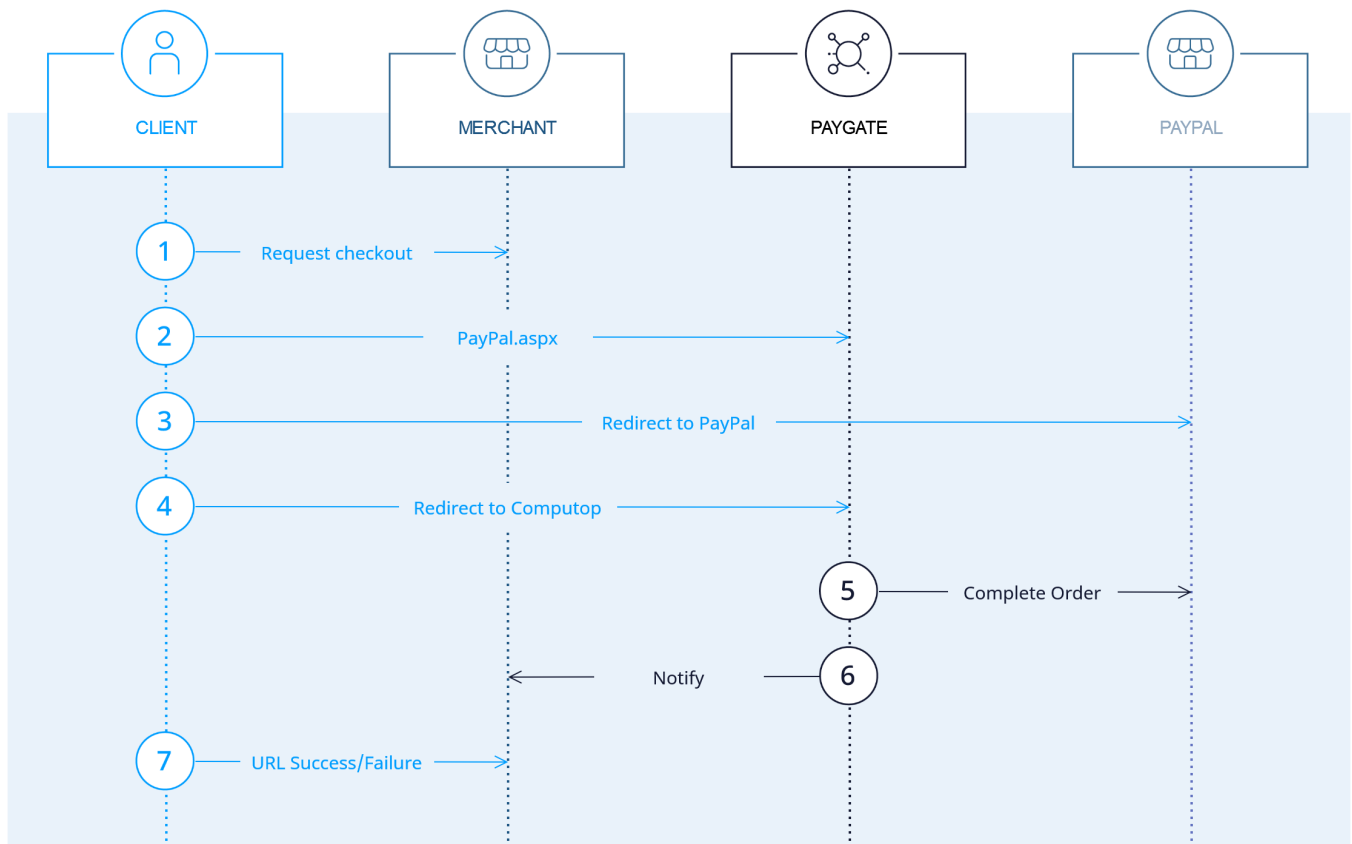
Logo	
Info	Computop also processes PayPal payments, which offers you worldwide merchant protection and a potential of 179 million international customers in more than 200 countries. PayPal is one of the most popular online payment methods and it can be used in e- and m-Commerce.
Type	Payments by eWallet

Further information can be found on the webpage of PayPal (<http://www.paypal.com>).

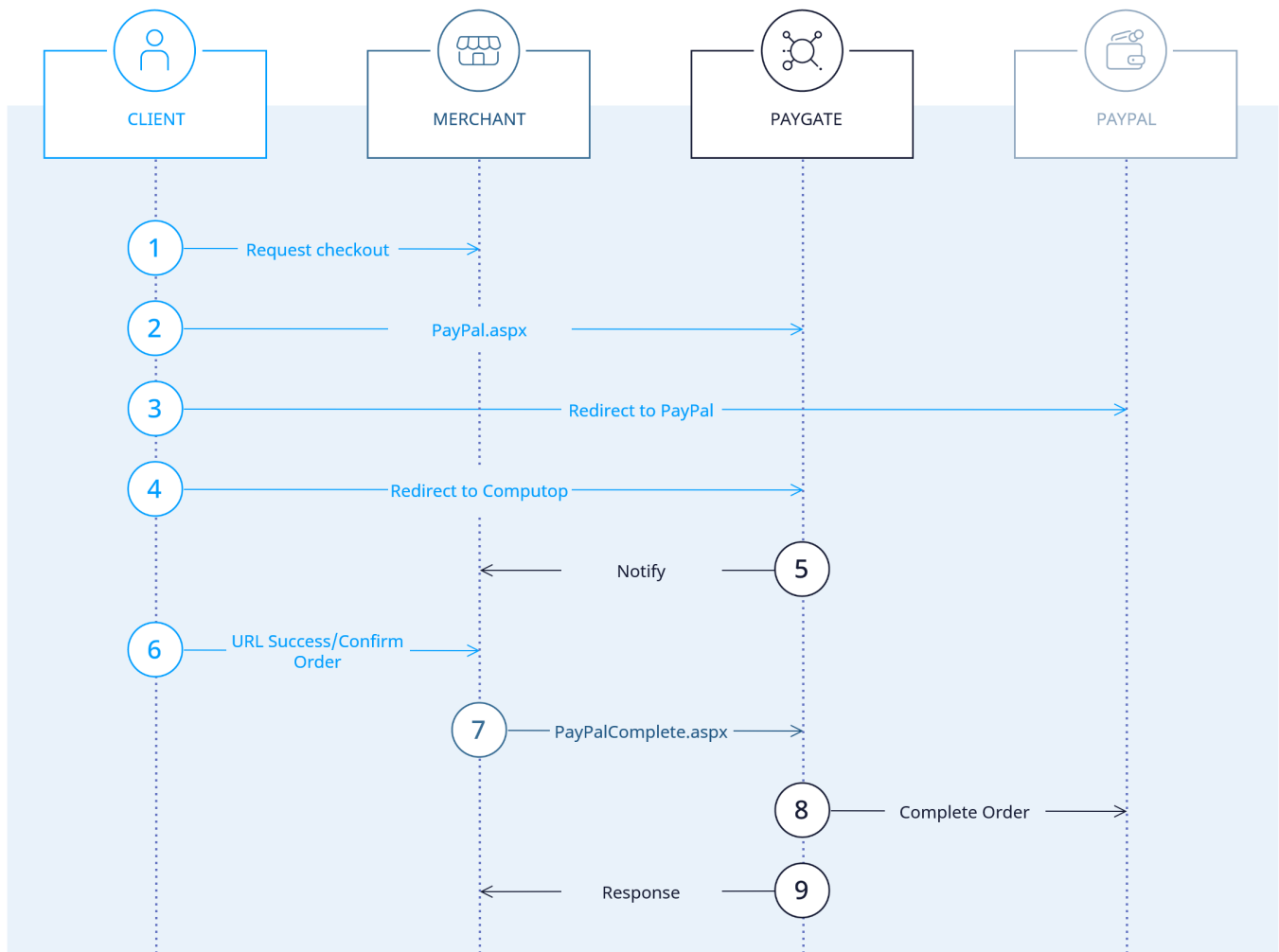
Process flow charts

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PayPal process flow within from merchant's perspective



Process flow PayPal Shortcut

Important information

Please note that, unlike our currency table, the currencies HUF (Hungarian - Forints) and TWD (Republic of China - Taiwan-Dollars) must be given without decimal places.

Example: To transfer 100.00 HUF one enters the amount=100

This exception applies only for the PayPal payment method.



If you want to use the MassPay functionality, please contact the [Computop Helpdesk](#) to activate this function for you.

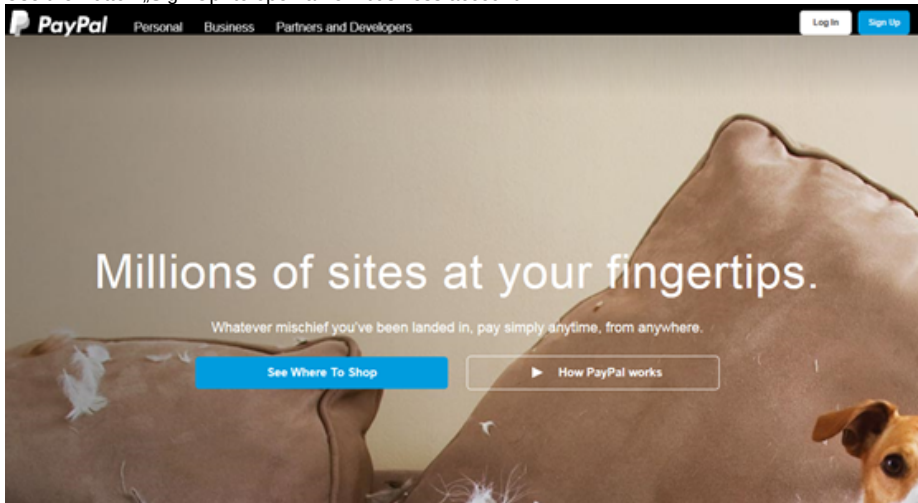
Configuration for PayPal

To process PayPal transactions via the Computop Paygate as merchant you need to have a PayPal business account . You also need to enable the PayPal interface for use via Paygate and to make the necessary settings for receiving payments.

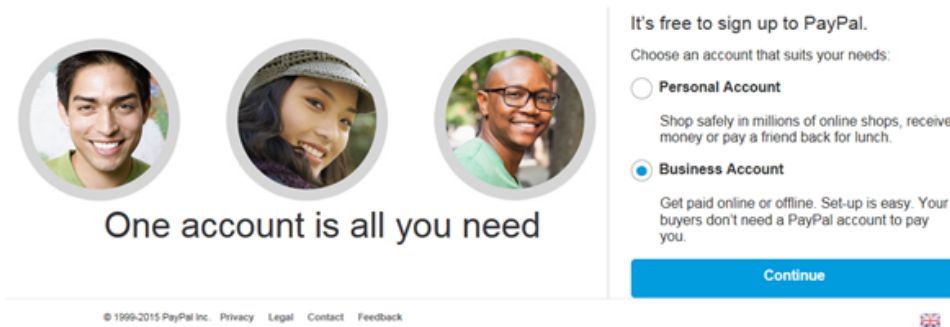
Create and configure the PayPal business account

1. Please call the PayPal URL of your country, e.g. <http://www.paypal.co.uk>.

2. Use the Button „Sign Up“ to open a new business account



3. The following page shows possible account types which can be created.
4. Please choose "Business Account" and press "Continue".



5. Now you are forwarded to the page "Create Business Account". Please enter your email address, which will be used for your PayPal Account and press "Continue".

Sign up for a Business account

Please enter your email address.

!

Continue

6. Please enter here your Business information. Accept the User Agreement and press the button "Agree and Continue".

Sign up for a business account

Create a login

helpdesk@computop.co.uk

Password



Re-enter password

Tell us about your business

First name

Last name

Business name

Business phone

Business address

Town/City

County (Optional)



Postcode

☐ I have read, consent and agree to PayPal's [User Agreement](#) and [Privacy Policy](#) (including the processing and disclosing of my personal data), and I am of legal age. I understand that I can change my communication preferences at any time. Please read the [Key Payment and Service Information](#).

Agree and Continue

7. Please complete the required information about your company on the next pages.
8. In the next step you will get an email to confirm your email address. Please confirm your email address.

Bestätigen Sie Ihre E-Mail-Adresse, um Ihr Konto zu aktivieren. Folgen Sie dazu den Anweisungen in unserer E-Mail an helpdesk@computop.com.

Sie haben jetzt ein PayPal-Geschäftskonto

Nehmen Sie sich doch einen Moment Zeit, um PayPal an Ihr Geschäft anzupassen. Wenn Sie Fragen haben, helfen wir Ihnen gerne weiter.

Jetzt einrichten

9. Please add the further required information about your company.

Zahlungen einrichten

Konto einrichten



Sie haben Ihre E-Mail-Adresse bestätigt
Sie können jetzt Zahlungen akzeptieren.



Bankkonto hinzufügen
Buchten Sie Geld von Ihrem PayPal-Konto auf Ihr Bankkonto ab.



Limits aufheben
Aus Sicherheitsgründen begrenzen wir zunächst den Gesamtbetrag, den Sie mit Ihrem PayPal-Konto empfangen oder abbuchen können. Wenn Sie uns weitere Informationen senden, können wir diese Limits aufheben. Das ist besonders wichtig, wenn Sie PayPal PLUS freischalten möchten.

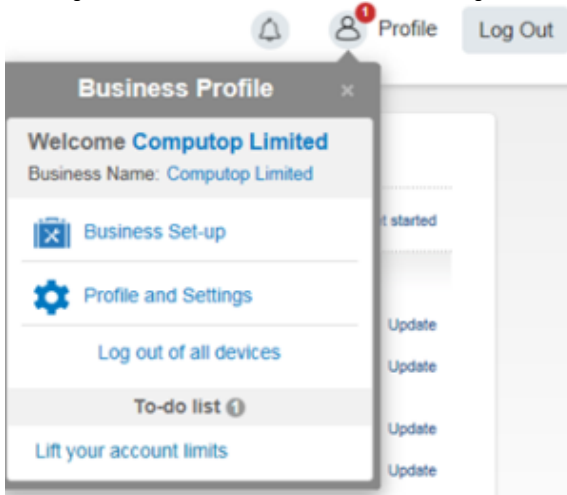


Firmennamen für Kreditkartenabrechnungen Ihrer Kunden festlegen
Wählen Sie eine Kurzfassung Ihres Firmennamens, damit Ihre Kunden die Buchungen auf der Kreditkartenabrechnung zuordnen können.

Setting up the API permission

In order to process PayPal transactions through Computop Paygate you will need to setup an API permission Therefore please complete the six steps explained below.

1. Please go to the menu -> Profile -> Profile and Settings



2. Please go to „Activity“ and then select „API access“



3. Inside the API Access area, please choose “Grant API permission”

Home Activity Pay & Get Paid Marketing For Growth Financing App Center

Your payment API credentials

To accept PayPal payments on your website, you or your developer will need API credentials. The API (Application Programming Interface) allows PayPal to communicate with your online store or shopping cart.

[Learn more](#) about PayPal APIs

How is PayPal set up on your website?



PayPal API

Through a shopping cart provider

Pre-built payment solution

If you're using or plan to use a 3rd-party platform, like Magento or Shopify, for shopping carts and online stores where the PayPal payment processor is built in.

[Grant API permission](#)

4. Please enter the following API Third Party Username and press the button “Lookup” [frank.arnoldt_api1.computop.de](#)

Add New Third Party Permissions

Manage permission given to a third-party application to access specific information in your account and take actions on your behalf.

For more information about the permissions you are granting, see [Third Party Permissions](#).

Third Party Permission Username

5. Please check the following API Access Level boxes, all other boxes remain unchecked. Press “Add” to confirm and finish API permission settings.

- Use Express Checkout to process payments
- Issue a refund for a specific transaction
- Authorise and capture your PayPal transactions
- Obtain information about a single transaction
- Search your transactions for items that match specific criteria and display the results

Home Activity Pay & Get Paid Marketing For Growth Financing App Center

Add New Third Party Permissions

Manage permission given to a third-party application to access specific information in your account and take actions on your behalf.

For more information about the permissions you are granting, see [Third Party Permissions](#).

Third Party Permission Username

Organization Computop Wirtschaftsinformatik GmbH

Available Permissions

See the [Third Party Definitions](#) for help.

- ☒ Use Express Checkout to process payments.
- ☒ Issue a refund for a specific transaction.
- ☐ Process your customers credit or debit card payments.
- ☒ Authorize and capture your PayPal transactions.
- ☐ Create and manage PayPal payment buttons on your website.
- ☐ Obtain your PayPal account balance.
- ☒ Obtain information about a single transaction.
- ☒ Search your transactions for items that match specific criteria and display the results.
- ☐ Charge an existing customer based on a prior transaction.
- ☐ Create and manage Recurring Payments.
- ☐ Obtain authorization for pre-approved payments and initiate pre-approved transactions.
- ☐ Accept or deny a pending transaction.
- ☐ Issue a refund for any prior transaction.
- ☐ Initiate transactions to multiple recipients in a single batch.
- ☐ Dynamically encrypt PayPal payment buttons on your web site.
- ☐ Generate consolidated reports for all accounts.
- ☐ Use Express Checkout to process mobile payments.
- ☐ Authorize transactions with Universal Air Travel Plans.
- ☐ Manage your invoicing through a third party.
- ☐ Generate reports for recurring billing and other outstanding orders.
- ☐ Capture payments in batches.
- ☐ Run dispute reports and issue batch refunds.
- ☐ Create and modify accounts, and run reports on them.

- You will get the confirmation, that the third party supplier „[frank.arnoldt_api1.computop.de](#)“ was added.

Manage Third Party Access



Manage permission given to a third-party application to access specific information in your account and take actions on your behalf.

For more information about the permissions you are granting, see [Third Party Permissions](#).

Third Party Username	Organization	
frank.arnoldt_api1.computop.de	Computop Wirtschaftsinformatik GmbH	Edit Third Party

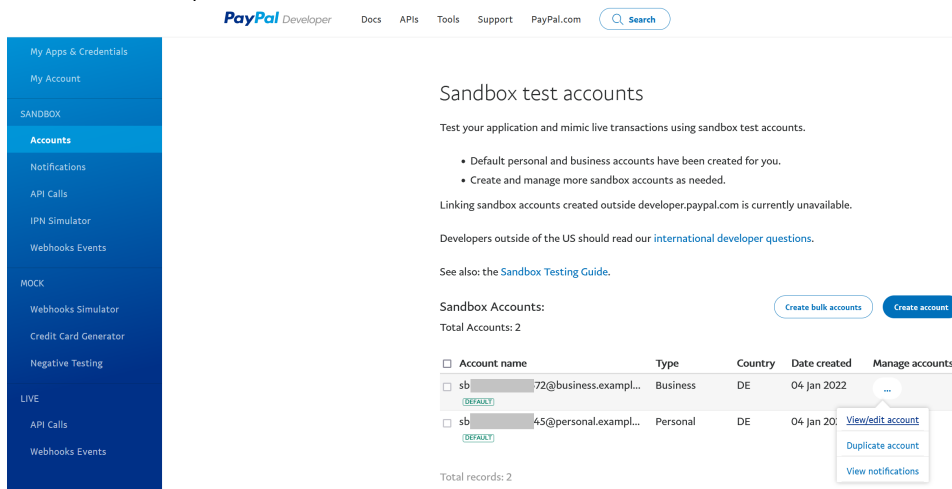
[View/ Edit additional partners with third party access](#) [What is this?](#)

[Add New Third Party](#)

Setting up PayPal-API permissions for Sandbox

For the PayPal Sandbox you can set up API permissions with the following steps.

- At <https://developer.paypal.com> below "Accounts" --> (Accountname) --> "Manage accounts" --> "View/ edit account" you will find the credentials of the respective merchant account.



PayPal Developer Docs APIs Tools Support PayPal.com Search

My Apps & Credentials
My Account
SANDBOX
Accounts
Notifications
API Calls
IPN Simulator
Webhooks Events
MOCK
Webhooks Simulator
Credit Card Generator
Negative Testing
LIVE
API Calls
Webhooks Events

Sandbox test accounts

Test your application and mimic live transactions using sandbox test accounts.

- Default personal and business accounts have been created for you.
- Create and manage more sandbox accounts as needed.

Linking sandbox accounts created outside [developer.paypal.com](#) is currently unavailable.

Developers outside of the US should read our [international developer questions](#).

See also: the [Sandbox Testing Guide](#).

Sandbox Accounts: [Create bulk accounts](#) [Create account](#)

Total Accounts: 2

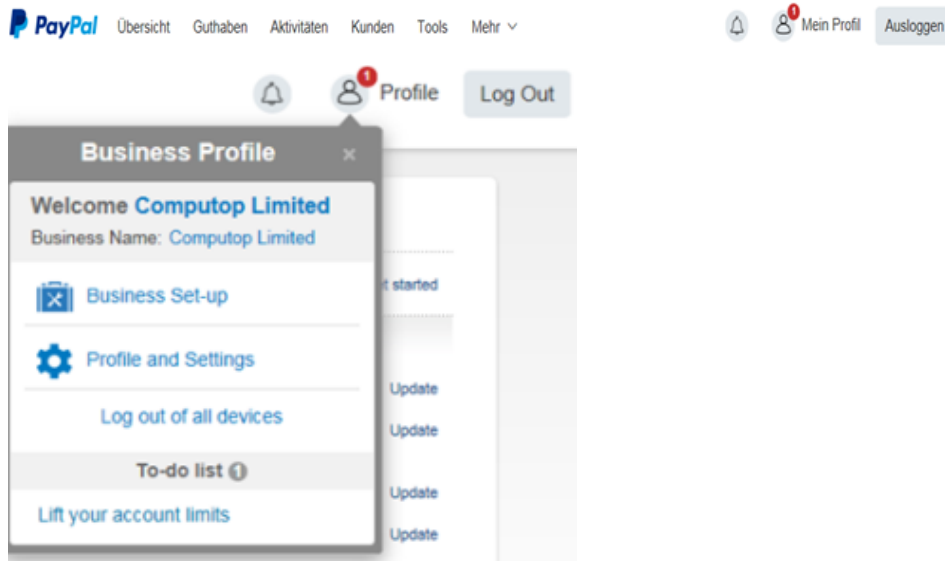
☐	Account name	Type	Country	Date created	Manage accounts
☐	sb-72@business.exempl... (DEFAULT)	Business	DE	04 Jan 2022	...
☐	sb-45@personal.exempl... (DEFAULT)	Personal	DE	04 Jan 2022	View/edit account Duplicate account View notifications

Total records: 2

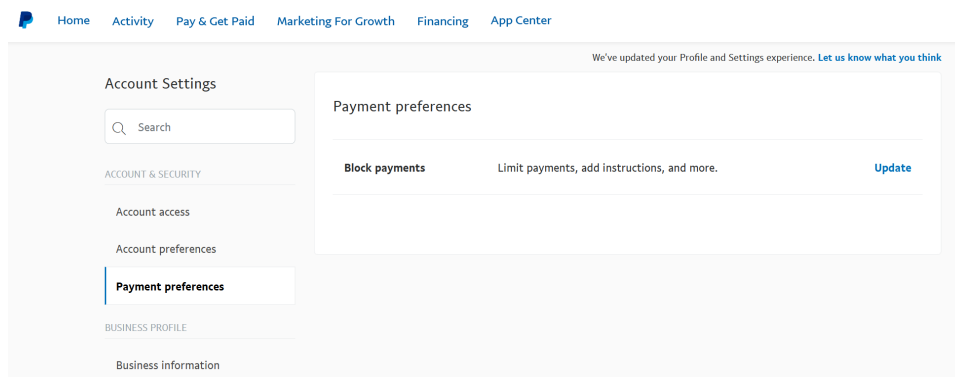
- With this credentials please login at <https://sandbox.paypal.com>.
- Click on the name on the upper right and go to "Account settings".
- Click on "API access" --> "Set up API permission" --> Enter "[test_paypal_api_api1.computop.com](#)".
- Please check the boxes for following permissions:
 - Use PayPal Express to process payments
 - Issue a refund for a specific transaction
 - Authorise and capture your PayPal transactions
 - Obtain information about a single transaction
 - Search your transactions for items the match specific criteria and display the results

Settings for Payment Receiving Preferences

1. Please go to "Profile" and click on "Profile and Settings".



2. Below "Payment preferences" please select "Block payments" with the link "Update".



3. Please use the following settings.
 - Block payments sent in a currency not provided
 - Block accidental payments with duplicate invoice IDs
 - Set up automatic payments for eBay-refunds.
 - Display "Add Instructions to Seller" text input field

Home
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Preferences for receiving payments

Allow payments sent to me in a currency I do not hold:
This setting only applies to the currencies that you can hold in your PayPal account. [Learn more](#)

☐ Yes, accept and convert them to Euros. **Additional charges apply**

☒ No, deny the payments

☐ Yes, accept payment and create new holding balance in that currency

Block accidental payments:
You may prevent accidental payments by blocking duplicate invoice IDs

☒ Yes, block multiple payments per invoice ID

☐ No, allow multiple payments per invoice ID

eBay refunds and disputes:
Set up an automatic payment so that eBay can charge your PayPal account for amounts you owe to eBay or your eBay customers under eBay's terms (for example, refunds to your customers in case of disputes you've lost).
If you don't set this up, eBay won't charge your PayPal account, but you'll still be responsible for these refunds and payments.
This only applies if you sell on eBay.

☒ Yes, set up this automatic payment

☐ No, don't set it up (cancellation will take effect on the next business day)

Display "Add instructions to seller" text input field:

☒ Yes

☐ No

Block payments from users who:

☐ Initiate payments from the "pay anyone" subtab of the Send Money tab
(If checked, you may enter an alternate payment URL for your buyers)

Please confirm your selected options by clicking on the "Save" button.

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.

Calling the interface

Use the following URL and parameters to initiate a PayPal payment in the Paygate form:

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

With this URL Paygate supports two different PayPal methods: One the one hand you can offer PayPal quite normally as an additional payment method for the conclusion of a sale. Otherwise you can use PayPal Express Checkout Shortcut, which connects the customers from the shopping cart directly to PayPal, where they can then select their delivery and invoicing address. The customer saves having to re-enter address details and you, as the merchant, enjoy PayPal vendor protection.

Paygate also supports the separation of authorisation and capture for PayPal Express Checkout. You can set parameters via the Paygate to control whether the amount on the customer's PayPal account should be blocked or captured immediately.

Notice: Please note that a PayPal connection in the shop via i-Frame is not possible due to PayPal-Regulations. Express Checkout always connects the Customer directly to PayPal.

Notice: One of the following conditions must be fulfilled to enable you to benefit from PayPal seller protection. Either the customer uses PayPal Express Checkout and selects a delivery address which it has saved previously with PayPal, which Paygate transmits to your shop. Or your shop transmits the already known delivery address to PayPal. Seller protection applies only if the goods have been supplied to this specified address. There may be no more than 3 days between the authorisation of the amount in the customer's PayPal account and capture if you wish to benefit from seller protection. Paygate therefore supports several alternatives for the processing of PayPal payments: we shall be happy to advise you about the implementation of PayPal.

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
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 . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
refnr	ns..30	O	Merchant's unique reference number
Capture	a..6	O	Auto or Manual : determines whether the requested amount is settled immediately or at a later stage. Important Note: Please contact Computop Helpdesk for Manual, to discuss different possibilities of usage.
TxType	ans..5	C	Obligatory for Capture=Manual: Transaction type with possible values Order or Auth and BAID (BillingAgreementID)
	enum	O	

PayPalMethod			The "shortcut" value selects the changed transaction procedure which takes the customer back to the shop for payment confirmation. You then need to call up the interface paypalcomplete.aspx to complete the sale.
RTF	ans1	O	For repeat payments (subscriptions): I = Initial payment of a new subscription R = Routine payment (Recurring) In this case only RTF=I is allowed, other subscription payments are carried out via the separate paypalAbo.aspx interface.
Order Desc	ans..127	M	Description of purchased goods, unit prices etc.  If OrderDesc(n) is used, there must be valid: Amount=ItemTotal+TaxTotal+SHAmount
Order Desc (n)	ans..2048	O	Customers shopping basket in the form: OrderDesc(n)=Name,Amount,Number,Quantity,Description,Tax OrderDesc2 to max. OrderDesc99 permissible For correct execution of displaying function all OrderDesc(n) Amounts must equal to the parameter Amount.
TaxTotal	n..10	C	Mandatory, if +Tax is given in description of OrderDesc(n): Total amount of taxes of all single articles in the smallest currency unit (e.g. EUR Cent) = Sum(Tax*Number)
ItemTotal	n..10	C	Mandatory, if +tax is given in description of OrderDesc(n): Gross amount of all single articles in the smallest currency unit (e.g. EUR Cent) = Sum(Amount*Number)
ShAmount	n..10	O	Shipping costs in the smallest currency unit (e.g. EUR Cent). Can be used only in connection with parameters ItemTotal and TaxTotal.
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 months, then it gets deleted at the Paygate.
URLSuccess	ans..256	M	Complete URL which calls up Paygate if payment has been successful. The URL may be called up only via port 443. This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData.  Common notes: • We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate • However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.
URLFailure	ans..256	M	Complete URL which calls up Paygate if payment has been unsuccessful. The URL may be called up only via port 443. This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData.  Common notes: • We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate • However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.
Response	a7	O	Status response sent by Paygate to URLSuccess and URLFailure , should be encrypted. For this purpose, transmit Response=encrypt parameter.
URLNotify	ans..256	M	Complete URL which Paygate calls up in order to notify the shop about the payment result. The URL may be called up only via port 443. It may not contain parameters: Use the UserData parameter instead.  Common notes: • We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate • However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
Account	ans..128	O	For managing multiple PayPal accounts, Merchant account: ID or e-Mail address for which the request should be submitted to PayPal
LoginPage	ans	O	Controls how the PayPal page is displayed. Possible values are "Login" or "Billing"
Language	an2	O	AU, DE, FR, IT, GB, ES, US ; default DE

FirstName	ans..50	OC	(obligatory for USA and Canada): Either the first name only or first and second name if a company name is used as a delivery address.
LastName	ans..50	OC	(obligatory for USA and Canada): Surname or name of the company of the delivery address
AddressStreet	ans..100	OC	(obligatory for USA and Canada): Street in the delivery address
AddressStreet2	ans..100	O	2. Street name in the delivery address that contains additional information e.g. packing station or similar. In order to receive this as a response parameter, it needs to be activated separately by the Computop Helpdesk .
AddressCity	ans..40	OC	(obligatory for USA and Canada): Town/city in the delivery address
AddressState	ans..40	OC	(obligatory for USA and Canada): Federal state of the delivery address. The town submitted in AddressCity must be located in the given federal state, otherwise PayPal refused this payment. For possible values please refer to the PayPal-API-reference documentation.
AddressZip	ans..20	OC	(obligatory for USA and Canada): Postcode in the delivery address
AddressCountryCode	an2	O	Country code of the delivery country
Phone	n..20	O	Telephone number
NoShipping	n1	O	Handover NoShipping=1 prevents the delivery address registered with Paypal from being displayed. Computop Paygate also offers the option to permanently suppress the delivery address for you on your MID. Please note that the delivery address should only be suppressed in the case of digital goods, as the seller protection is also linked to this. Please contact the Computop Helpdesk for this.
AllowNote	ans..2	O	The value "no" prevents the option of sending a message to the merchant. As standard a possible message is returned in the Infotext parameter.
BuyerEmail	ans..127	OC	Pre-completion of an email address on the PayPal login page
NoticeToBuyer	ans..165	O	Notice for the buyer

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

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle . Bitte beachten Sie die weltweit von PayPal unterstützten Währungen unter https://developer.paypal.com/api/rest/reference/currency-codes/ .

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	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	Format	CND	Description	Beschreibung
Capture	a..6	O	Auto or Manual : determines whether the requested amount is settled immediately or at a later stage.	Auto oder Manual : bestimmt, ob der angefragte Betrag sofort oder erst später abgebucht wird.

			Important Note: Please contact Computop Helpdesk for Manual, to discuss different possibilities of usage.	Wichtiger Hinweis: Bitte kontaktieren Sie den Computop Helpdesk für Manual, um die unterschiedlichen Einsatzmöglichkeiten abzuklären.
TxType	ans..5	C	Obligatory for Capture=Manual: Transaction type with possible values Order or Auth and BAID (BillingAgreementID)	Pflicht bei Capture=Manual: Transaktionstyp mit den möglichen Werten Order oder Auth sowie BAID (BillingAgreementID)
PayPalMethod	enum	O	The "shortcut" value selects the changed transaction procedure which takes the customer back to the shop for payment confirmation. You then need to call up the interface paypalcomplete.aspx to complete the sale.	Wert "shortcut" wählt den geänderten Transaktionsablauf, bei dem der Kunde für die Zahlungsbestätigung in den Shop zurückgeleitet wird. Zum Abschließen der Bestellung muss anschließend die Schnittstelle paypalcomplete.aspx aufgerufen werden.
RTF	ans1	O	For repeat payments (subscriptions): I = Initial payment of a new subscription R = Routine payment (Recurring) In this case only RTF=I is allowed, other subscription payments are carried out via the separate paypalAbo.aspx interface.	Für wiederkehrende Zahlungen (Abos): I = Initialzahlung eines neuen Abos, R = Wiederkehrende Zahlung (Recurring) Hier nur RTF=I zulässig, weitere Abo-Zahlungen werden über die separate Schnittstelle paypalAbo.aspx ausgeführt.
Order Desc	ans..127	M	Description of purchased goods, unit prices etc.  If OrderDesc(n) is used, there must be valid: Amount=ItemTotal+TaxTotal+SHAmount	Beschreibung der gekauften Waren, Einzelpreise etc.  Wenn OrderDesc(n) verwendet wird, muss gelten: Amount=ItemTotal+TaxTotal+ShAmount
Order Desc (n)	ans..2048	O	Customers shopping basket in the form: OrderDesc(n)=Name,Amount,Number,Quantity,Description, Tax OrderDesc2 to max. OrderDesc99 permissible For correct execution of displaying function all OrderDesc (n) Amounts must equal to the parameter Amount .	Warenkorb des Kunden in der Form: OrderDesc(n)=Name,Amount,Number,Quantity,Description,Tax OrderDesc2 bis max. OrderDesc99 zulässig Zur korrekten Ausführung der Darstellungsfunktion müssen alle OrderDesc(n) Amounts mit dem übergebenen Parameter Amount übereinstimmen.
TaxTotal	n..10	C	Mandatory, if +Tax is given in description of OrderDesc(n): Total amount of taxes of all single articles in the smallest currency unit (e.g. EUR Cent) = Sum(Tax*Number)	Pflicht, wenn bei OrderDesc(n) die Beschreibung +Tax angegeben wird. Gesamtbetrag der Steuern aller einzelnen Artikel in der kleinsten Währungseinheit (z.B. EUR Cent) = Summe(Tax*Number)
ItemTotal	n..10	C	Mandatory, if +tax is given in description of OrderDesc(n): Gross amount of all single articles in the smallest currency unit (e.g. EUR Cent) = Sum(Amount*Number)	Pflicht, wenn bei OrderDesc(n) die Beschreibung +Tax angegeben wird. Gesamtbetrag der einzelnen Artikel in der kleinsten Währungseinheit (z.B. EUR Cent) = Summe(Amount*Number)
SHAmount	n..10	O	Shipping costs in the smallest currency unit (e.g. EUR Cent). Can be used only in connection with parameters ItemTotal and TaxTotal.	Versandkosten in der kleinsten Währungseinheit (z.B. EUR Cent). Kann nur in Verbindung mit den Parametern ItemTotal und TaxTotal verwendet werden.

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
URLSuccess	ans..256	M	Complete URL which calls up Paygate if payment has been successful. The URL may be called up only via port 443. This URL may not contain parameters: In order to exchange values between Pay gate and shop, please use the parameter UserData .  Common notes: - We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate - However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.	Vollständige URL, die das Paygate aufruft, wenn die Zahlung erfolgreich war. Die URL darf nur über Port 443 aufgerufen werden. Diese URL darf keine Parameter enthalten: Um Parameter durchzureichen nutzen Sie stattdessen den Parameter UserData .  Allgemeine Hinweise: - Wir empfehlen, den Parameter "response=encrypt" zu verwenden, um eine verschlüsselte Antwort von Paygate zu erhalten - Betrüger könnten das verschlüsselte DATA-Element kopieren, welches an URLFailure gesendet wurde, und betrügerisch dasselbe DATA an URLSuccess senden. Überprüfen Sie daher unbedingt den "code"-Wert des DATA-Elements. Nur eine Antwort mit "code=00000000" sollte als erfolgreich angesehen werden.

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Key	Format	CND	Description	Beschreibung
URLFailure	ans..256	M	Complete URL which calls up Paygate if payment has been unsuccessful. The URL may be called up only via port 443. This URL may not contain parameters: In order to exchange values between Pay gate and shop, please use the parameter UserData. i Common notes: - We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate - However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.	Vollständige URL, die das Paygateaufruft, wenn die Zahlung gescheitert ist. Die URL darf nur über Port 443 aufgerufen werden. Diese URL darf keine Parameter enthalten: Um Parameter durchzureichen nutzen Sie stattdessen den Parameter UserData. i Allgemeine Hinweise: - Wir empfehlen, den Parameter "response=encrypt" zu verwenden, um eine verschlüsselte Antwort von Paygate zu erhalten - Betrüger könnten das verschlüsselte DATA-Element kopieren, welches an URLFailure gesendet wurde, und betrügerisch dasselbe DATA an URLSuccess/URLNotify senden. Überprüfen Sie daher unbedingt den "code"-Wert des DATA-Elements. Nur eine Antwort mit "code=00000000" sollte als erfolgreich angesehen werden.

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

Key	Format	CND	Description	Beschreibung
URLNotify	ans..256	M	Complete URL which Paygate calls up in order to notify the shop about the payment result. The URL may be called up only via port 443. It may not contain parameters: Use the UserData parameter instead. i Common notes: - We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate - However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.	Vollständige URL, die das Paygate aufruft, um den Shop zu benachrichtigen. Die URL darf nur über Port 443 aufgerufen werden. Sie darf keine Parameter enthalten: Nutzen Sie stattdessen den Parameter UserData. i Allgemeine Hinweise: - Wir empfehlen, den Parameter "response=encrypt" zu verwenden, um eine verschlüsselte Antwort von Paygate zu erhalten - Betrüger könnten das verschlüsselte DATA-Element kopieren, welches an URLFailure gesendet wurde, und betrügerisch dasselbe DATA an URLSuccess/URLNotify senden. Überprüfen Sie daher unbedingt den "code"-Wert des DATA-Elements. Nur eine Antwort mit "code=00000000" sollte als erfolgreich angesehen werden.

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

Key	Format	CND	Description	Beschreibung
Account	ans..128	O	For managing multiple PayPal accounts, Merchant account: ID or e-Mail address for which the request should be submitted to PayPal	Zur Steuerung mehrerer PayPal-Accounts, Händler-Account: ID oder E-Mail-Adresse, für die die Anfrage an PayPal gesendet werden soll
LandingPage	ans	O	Controls how the PayPal page is displayed. Possible values are "Login" or "Billing"	Steuert, wie die PayPal-Seite angezeigt wird. Mögliche Werte „Login“ oder „Billing“
Language	an2	O	AU, DE, FR, IT, GB, ES, US ; default DE	AU, DE, FR, IT, GB, ES, US; Standard DE
FirstName	ans..50	OC	(obligatory for USA and Canada): Either the first name only or first and second name if a company name is used as a delivery address.	(Pflicht für USA und Kanada): Entweder nur der Vorname oder Vor- und Nachname, falls ein Firmenname als Lieferadresse genutzt wird.
LastName	ans..50	OC	(obligatory for USA and Canada): Surname or name of the company of the delivery address	(Pflicht für USA und Kanada): Nachname oder Firmenbezeichnung der Lieferadresse
AddressStreet	ans..100	OC	(obligatory for USA and Canada): Street in the delivery address	(Pflicht für USA und Kanada): Straßenname der Lieferadresse
AddressStreet2	ans..100	O	2. Street name in the delivery address that contains additional information e.g. packing station or similar. In order to receive this as a response parameter, it needs to be activated separately by the Computop Helpdesk .	2. Straßenname in der Lieferadresse, der weitere Informationen zu Packstation o.ä. enthält. Damit dieser Parameter in der Antwort zurückgeliefert werden kann, muss dieser separat vom Computop Helpdesk aktiviert werden.
AddressCity	ans..40	OC	(obligatory for USA and Canada): Town/city in the delivery address	(Pflicht für USA und Kanada): Ortsname der Lieferadresse
AddressState	ans..40	OC	(obligatory for USA and Canada): Federal state of the delivery address. The town submitted in AddrCity must be located in the given federal state, otherwise PayPal refused this payment. For possible values please refer to the PayPal-API-reference documentation.	(Pflicht für USA und Kanada): Bundesland (Bundesstaat) der Lieferadresse. Die in AddrCity übergebene Stadt muss im angegebenen Bundesstaat liegen, sonst lehnt PayPal die Zahlung ab. Mögliche Werte entnehmen Sie bitte der PayPal-API-Reference Dokumentation.
AddressZip	ans..20	OC	(obligatory for USA and Canada): Postcode in the delivery address	(Pflicht für USA und Kanada): Postleitzahl der Lieferadresse
	an2	O	Country code of the delivery country	Ländercode des Lieferlandes

AddrCountry Code				
Phone	n..20	O	Telephone number	Telefonnummer
NoShipping	n1	O	Handover NoShipping=1 prevents the delivery address registered with Paypal from being displayed. Computop Paygate also offers the option to permanently suppress the delivery address for you on your MID. Please note that the delivery address should only be suppressed in the case of digital goods, as the seller protection is also linked to this. Please contact the Computop Helpdesk for this.	Übergabe NoShipping=1 verhindert die Anzeige der bei PayPal hinterlegten Lieferadresse. Zusätzlich bietet das Computop Paygate die Variante an, dass wir an Ihrer MID die Unterdrückung der Adresse fest für Sie hinterlegen. Bitte beachten Sie, dass die Lieferadresse nur im Fall digitaler Güter unterdrückt werden sollte, da daran auch der Verkäuferschutz geknüpft ist. Bitte wenden Sie sich dafür an den Computop Helpdesk .
AllowNote	ans..2	O	The value "no" prevents the option of sending a message to the merchant. As standard a possible message is returned in the Infotext parameter.	Wert „no“ verhindert die Möglichkeit, eine Nachricht an den Händler zu übermitteln. Standardmäßig wird eine eventuelle Mitteilung im Parameter Infotext zurückgegeben.
BuyerEmail	ans..127	OC	Pre-completion of an email address on the PayPal login page	Vorbelegung einer E-Mail-Adresse auf der Login-Seite von PayPal
NoticeToBuyer	ans..165	O	Notice for the buyer	Hinweistext für den Käufer

Parameters for PayPal payments

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

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

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

Key	Format	CND	Description
mid	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files 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..30	M	OK, AUTHORIZE_REQUEST or Timeout (only if Capture=Manual) on the URLSuccess page or FAILED on the URLFailure page. AUTHORIZE_REQUEST – Is returned actively only for request parameter "TxType=auth" or "PayPalMethod=shortcut". When using TxType=auth or without TxType the final status is returned directly. Timeout – All open payments with status AUTHORIZE_REQUEST will be closed ~ 3hours later automatically and are reported as Timeout.
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
refnr	ns..30	O	Merchant's unique reference number
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .
Name	ans..32	M	First name and surname joined
Firstname	ans..50	M	First name of payer (PayerInfo, may differ from the account name)
Lastname	ans..50	M	Last name of payer (PayerInfo, may differ from the account name)
E-Mail	ans..100	M	Email address of the purchaser.
AddrStreet	ans..100	O	Street in the delivery address

AddrStreet2	ans..100	O	2. Street name in the delivery address that contains additional information e.g. packing station or similar. In order to receive this as a response parameter, it needs to be activated separately by the Computop Helpdesk .
AddrCity	ans..40	O	Town/city in the delivery address
AddrState	ans..40	O	Federal State in the delivery address
AddrZIP	ans..20	O	Postcode in the delivery address
AddrCountryCode	an2	O	Country code of the delivery country
Phone	n..20	O	Telephone number
BillingAgreementID	an19	M	Identification number of the invoice agreement. When the buyer confirms the invoice agreement it is validated and remains valid until revoked by the buyer.
BillingName	ans..32	O	First name and surname joined
BillingAddrStreet	ans..100	O	Street name of the invoicing address lodged with PayPal
BillingAddrStreet2	ans..100	O	2. Street name of the invoicing address lodged with PayPal that contains additional information e.g. packing station or similar. In order to receive this as a response parameter, it needs to be activated separately by the Computop Helpdesk .
BillingAddrCity	ans..40	O	Town/city name of the invoicing address saved with PayPal
BillingAddrState	ans..40	O	Federal state of the invoicing address saved with PayPal
BillingAddrZIP	ans..20	O	Postcode of the invoicing address saved with PayPal
BillingAddrCountryCode	an2	O	Country code of the delivery country
TransactionID	an..19	O	Unique transaction number from PayPal for a transaction (PayPal Order)
TID	an..19	O	Unique transaction number from PayPal for an authorisation (PayPal Auth): Only for automatic PayPal configuration or if TxType=Auth
payerStatus	an..10	O	Status of buyer with possible values "verified" or "unverified"
InfoText	ans..255	M	Message to the merchant
PayerID	ans..13	O	Unique identification number of customer account at PayPal. (Additional response has to be first activated. Please contact the Computop Helpdesk , if you need the additional values in the response)
GrossAmount	an..9	O	Final amount charged, including any shipping and taxes from your Merchant Profile
FeeAmount	an..9	O	PayPal fee amount charged for the transaction
SettleAmount	an..9	O	Amount deposited in your PayPal account after a currency conversion
TaxAmount	an..9	O	Tax charged on the transaction
ExchangeRate	an..17	O	Exchange rate if a currency conversion occurred. Relevant only if you are billing in their non-primary currency. If the buyer chooses to pay with a currency other than the non-primary currency, the conversion occurs in the buyer's account
mc_fee	an..9	C	Only in case of separate Notify from PayPal: Transaction fee associated with the payment. mc_gross minus mc_fee equals the amount deposited into the receiver_email account. Equivalent to payment_fee for USD payments. If this amount is negative, it signifies a refund or reversal, and either of those payment statuses can be for the full or partial amount of the original transaction fee
mc_gross	an..9	C	Only in case of separate Notify from PayPal: Full amount of the customer's payment, before transaction fee is subtracted. Equivalent to payment_gross for USD payments. If this amount is negative, it signifies a refund or reversal, and either of those payment statuses can be for the full or partial amount of the original transaction.

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..30	M	OK, AUTHORIZE_REQUEST or Timeout (only if Capture=Manual) on the URLSuccess page or FAILED on the URLFailure page. AUTHORIZE_REQUEST – Is returned actively only for request parameter "TxType=auth" or "PayPalMethod=shortcut". When using TxType=auth or without TxType the final status is returned directly. Timeout – All open payments with status AUTHORIZE_REQUEST will be closed ~ 3hours later automatically and are reported as Timeout.	OK, AUTHORIZE_REQUEST oder Timeout (nur bei Capture=Manual) auf der URLSuccess-Seite oder FAILED auf der URLFailure-Seite. AUTHORIZE_REQUEST – Wird nur beim Aufrufparameter "TxType=auth" bzw. "PayPalMethod=shortcut" aktiv versendet. Bei Verwendung von TxType=auth oder ohne TxType wird direkt der abschließende Status gemeldet. Timeout – Alle offenen Zahlungsvorgänge im Status AUTHORIZE_REQUEST werden nach ~ 3h automatisiert geschlossen und als Timeout gemeldet.

Key	Format	CND	Description	Beschreibung
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie nicht den Parameter Description , sondern Code für die Auswertung des Transaktionsstatus!

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

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

Key	Format	CND	Description	Beschreibung
refnr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

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

Key	Format	CND	Description	Beschreibung
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .	Fehlercode des externen Partners, wenn mit dem Computop Helpdesk abgesprochen.

Key	Format	CND	Description	Beschreibung
Name	ans..32	M	First name and surname joined	Vorname und Nachname zusammengenommen
Firstname	ans..50	M	First name of payer (PayerInfo, may differ from the account name)	Vorname vom Bezahler (PayerInfo, kann vom Account-Namen abweichen)
Lastname	ans..50	M	Last name of payer (PayerInfo, may differ from the account name)	Nachname vom Bezahler (PayerInfo, kann vom Account-Namen abweichen)

E-Mail	ans..100	M	Email address of the purchaser.	E-Mail-Adresse des Käufers.
AddrStreet	ans..100	O	Street in the delivery address	Straßenname der Lieferadresse
AddrStreet2	ans..100	O	2. Street name in the delivery address that contains additional information e.g. packing station or similar. In order to receive this as a response parameter, it needs to be activated separately by the Computop Helpdesk .	2. Straßenname in der Lieferadresse, der weitere Informationen zu Packstation o.ä. enthält. Damit dieser Parameter in der Antwort zurückgeliefert werden kann, muss dieser separat vom Computop Helpdesk aktiviert werden.
AddrCity	ans..40	O	Town/city in the delivery address	Ortsname der Lieferadresse
AddrState	ans..40	O	Federal State in the delivery address	Bundesland (Bundesstaat) der Lieferadresse
AddrZIP	ans..20	O	Postcode in the delivery address	Postleitzahl der Lieferadresse
AddrCountryCode	an2	O	Country code of the delivery country	Ländercode des Lieferlandes
Phone	n..20	O	Telephone number	Telefonnummer
BillingAgreementID	an19	M	Identification number of the invoice agreement. When the buyer confirms the invoice agreement it is validated and remains valid until revoked by the buyer.	Identifikationsnummer der Rechnungsvereinbarung. Wenn der Käufer die Rechnungsvereinbarung bestätigt, wird sie gültig und bleibt gültig, bis sie vom Käufer widerrufen wird.
BillingName	ans..32	O	First name and surname joined	Vorname und Nachname zusammengenommen
BillingAddrStreet	ans..100	O	Street name of the invoicing address lodged with PayPal	Straßenname der bei PayPal hinterlegten Rechnungsadresse
BillingAddrStreet2	ans..100	O	2. Street name of the invoicing address lodged with PayPal that contains additional information e.g. packing station or similar. In order to receive this as a response parameter, it needs to be activated separately by the Computop Helpdesk .	2. Straßenname der bei PayPal hinterlegten Rechnungsadresse, der weitere Informationen zu Packstation o.ä. enthält. Damit dieser Parameter in der Antwort zurückgeliefert werden kann, muss dieser separat vom Computop Helpdesk aktiviert werden.
BillingAddrCity	ans..40	O	Town/city name of the invoicing address saved with PayPal	Ortsname der bei PayPal hinterlegten Rechnungsadresse
BillingAddrState	ans..40	O	Federal state of the invoicing address saved with PayPal	Bundesland der bei PayPal hinterlegten Rechnungsadresse
BillingAddrZIP	ans..20	O	Postcode of the invoicing address saved with PayPal	Postleitzahl der bei PayPal hinterlegten Rechnungsadresse
BillingAddrCountryCode	an2	O	Country code of the delivery country	Ländercode des Lieferlandes
TransactionID	an..19	O	Unique transaction number from PayPal for a transaction (PayPal Order)	Eindeutige Transaktionsnummer von PayPal für eine Transaktion (PayPal Order)
TID	an..19	O	Unique transaction number from PayPal for an authorisation (PayPal Auth): Only for automatic PayPal configuration or if TxType=Auth	Eindeutige Transaktionsnummer von PayPal für eine Autorisierung (PayPal Auth): Nur bei automatischer PayPal-Konfiguration oder sonst wenn TxType=Auth
payerStatus	an..10	O	Status of buyer with possible values "verified" or "unverified"	Status des Käufers mit den möglichen Werten "verified" oder "unverified"
InfoText	ans..255	M	Message to the merchant	Nachricht an den Händler
PayerID	ans..13	O	Unique identification number of customer account at PayPal. (Additional response has to be first activated. Please contact the Computop Helpdesk , if you need the additional values in the response)	Eindeutige Identifikationsnummer des Kundenkontos bei PayPal. (Die Rückgabe dieses Parameters muss aktiviert werden. Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie diesen Wert in der Antwort benötigen.)
GrossAmount	an..9	O	Final amount charged, including any shipping and taxes from your Merchant Profile	Endgültig berechneter Betrag einschließlich Lieferkosten und Steuern von Ihrem Händlerprofil
FeeAmount	an..9	O	PayPal fee amount charged for the transaction	Betrag der für die Transaktion berechneten PayPal-Gebühr
SettleAmount	an..9	O	Amount deposited in your PayPal account after a currency conversion	Ihrem PayPal-Konto nach einer Währungsumrechnung gutgeschriebener Betrag
TaxAmount	an..9	O	Tax charged on the transaction	Für die Transaktion berechnete Steuer
ExchangeRate	an..17	O	Exchange rate if a currency conversion occurred. Relevant only if you are billing in their non-primary currency. If the buyer chooses to pay with a currency other than the non-primary currency, the conversion occurs in the buyer's account	Wechselkurs bei einer Währungsumrechnung. Nur relevant, wenn die Rechnung nicht in der primären Währung ausgestellt ist. Wenn der Käufer in einer anderen als der nicht primären Währung bezahlt, erfolgt die Umrechnung im Händlerkonto.

mc_fee	an..9	C	Only in case of separate Notify from PayPal: Transaction fee associated with the payment. mc_gross minus mc_fee equals the amount deposited into the receiver_email account. Equivalent to payment_fee for USD payments. If this amount is negative, it signifies a refund or reversal, and either of those payment statuses can be for the full or partial amount of the original transaction fee	Nur bei separatem Notify von PayPal: Transaktionsgebühr für die Zahlung. mc_gross minus mc_fee entspricht dem Betrag, der dem Empfängerkonto gutgeschrieben wird. Ist äquivalent zur payment_fee bei Zahlung in US-Dollar. Ein negativer Betrag signalisiert ein Storno oder eine Gutschrift. Beide Zahlungs-Status können für den vollständigen oder teilweisen Betrag der ursprünglichen Transaktionsgebühr sein.
mc_gross	an..9	C	Only in case of separate Notify from PayPal: Full amount of the customer's payment, before transaction fee is subtracted. Equivalent to payment_gross for USD payments. If this amount is negative, it signifies a refund or reversal, and either of those payment statuses can be for the full or partial amount of the original transaction.	Nur bei separatem Notify von PayPal: Gesamtbetrag der Zahlung des Kunden vor Abzug der Transaktionsgebühr. Ist äquivalent zu payment_gross bei Zahlung in US-Dollar. Ein negativer Betrag signalisiert ein Storno oder eine Gutschrift. Beide Zahlungs-Status können für den vollständigen oder teilweisen Betrag der ursprünglichen Transaktionsgebühr sein.

Return parameters for URLSuccess, URLFailure and URLNotify with PayPal

Notice: The address parameters are always transmitted to the shop but are empty if no address data has been exchanged.

Calling the interface for method "shortcut"

The PayPal "shortcut" method enables a changed transaction procedure which takes the customer back to the shop for payment confirmation. To complete this PayPal payment in the next step, use the following URL and parameters:

<https://www.computop-paygate.com/paypalComplete.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
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 . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .
refnr	ns..30	O	Merchant's unique reference number
PayID	an32	M	ID assigned by Paygate for the payment. Enter the PayID from the response from paypal.aspx received in the previous transaction procedure.
OrderDesc(n)	ans..2048	O	Customers shopping basket in the form: OrderDesc(n)=Name,Amount,Number,Quantity,Description,Tax OrderDesc2 to max. OrderDesc99 permissible For correct execution of displaying function all OrderDesc(n) Amounts must equal to the parameter Amount .  If OrderDesc(n) is used, there must be valid: Amount=ItemTotal+TaxTotal+SHAmount Notice: If OrderDesc(n) is changed also the Amount has to be modified.
			 Address information. When you transfer these values you can also change an address.  Notice: If transferring FirstName, all other values should also be entered. If not transferring FirstName, other address parameters are not taken into account.
FirstName	ans..50	C	Mandatory in order to transfer address information Either the first name only or first and second name if a company name is used as a delivery address.
LastName	ans..50	C	Obligatory if FirstName is transmitted: Surname or name of the company of the delivery address
AddrStreet	ans..100	C	Obligatory if FirstName is transmitted: Street in the delivery address
	ans..100	C	

AddrStreet2			Obligatory if FirstName is transmitted: 2. Street name in the delivery address that contains additional information e.g. packing station or similar. In order to receive this as a response parameter, it needs to be activated separately by the Computop Helpdesk .
AddrCity	ans..40	C	Obligatory if FirstName is transmitted: Town/city in the delivery address
AddrState	ans..40	C	Obligatory if FirstName is transmitted: Federal state of the delivery address. The town submitted in AddrCity must be located in the given federal state, otherwise PayPal refused this payment. For possible values please refer to the PayPal-API-reference documentation.
AddrZip	ans..20	C	Obligatory if FirstName is transmitted: Postcode in the delivery address
AddrCountryCode	an2	C	Obligatory if FirstName is transmitted: Country code of the delivery country
Phone	n..20	C	Obligatory if FirstName is transmitted: Telephone number

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

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle . Bitte beachten Sie die weltweit von PayPal unterstützten Währungen unter https://developer.paypal.com/api/rest/reference/currency-codes/ .

Key	Format	CND	Description	Beschreibung
refnr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment. Enter the PayID from the response from paypal.aspx received in the previous transaction procedure.	Vom Paygate vergebene ID für die Zahlung. Übergeben Sie hier die PayID aus der Antwort von paypal.aspx, die Sie im bisherigen Transaktionsablauf erhalten haben.
OrderDesc(n)	ans..2048	O	Customers shopping basket in the form: OrderDesc(n)=Name,Amount,Number,Quantity,Description,Tax OrderDesc2 to max. OrderDesc99 permissible For correct execution of displaying function all OrderDesc(n) Amounts must equal to the parameter Amount .  If OrderDesc(n) is used, there must be valid: Amount=ItemTotal+TaxTotal+SHAmount Notice: If OrderDesc(n) is changed also the Amount has to be modified.	Warenkorb des Kunden in der Form: OrderDesc(n)=Name,Amount,Number,Quantity,Description,Tax OrderDesc2 bis max. OrderDesc99 zulässig Zur korrekten Ausführung der Darstellungsfunktion müssen alle OrderDesc(n) Amounts mit dem übergebenen Parameter Amount übereinstimmen.  Wenn OrderDesc(n) verwendet wird, muss gelten: Amount=ItemTotal+TaxTotal+ShAmount Hinweis: Bei Änderung von OrderDesc(n) muss auch der Amount angepasst werden.
			 Address information. When you transfer these values you can also change an address.  Notice: If transferring FirstName, all other values should also be entered. If not transferring FirstName, other address parameters are not taken into account.	 Adressinformationen. Durch Übergabe dieser Werte ist auch eine Adress-Änderung möglich.  Hinweis: Wenn FirstName übergeben wird, sollten auch alle anderen Werte übergeben werden. Wenn FirstName nicht übergeben wird, werden andere Adressparameter nicht berücksichtigt.
FirstName	ans..50	C	Mandatory in order to transfer address information Either the first name only or first and second name if a company name is used as a delivery address.	Pflicht, um Adressangaben zu übermitteln: Entweder nur der Vorname oder Vor- und Nachname, falls ein Firmenname als Lieferadresse genutzt wird.
LastName	ans..50	C	Obligatory if FirstName is transmitted: Surname or name of the company of the delivery address	Pflicht, wenn FirstName übergeben wird: Nachname oder Firmenbezeichnung der Lieferadresse
AddrStreet	ans..100	C	Obligatory if FirstName is transmitted: Street in the delivery address	Pflicht, wenn FirstName übergeben wird: Straßenname der Lieferadresse

AddrStreet2	ans..100	C	Obligatory if FirstName is transmitted: 2. Street name in the delivery address that contains additional information e.g. packing station or similar. In order to receive this as a response parameter, it needs to be activated separately by the Computop Helpdesk .	Pflicht, wenn FirstName übergeben wird: 2. Straßenname in der Lieferadresse, der weitere Informationen zu Packstation o.ä. enthält. Damit dieser Parameter in der Antwort zurückgeliefert werden kann, muss dieser separat vom Computop Helpdesk aktiviert werden.
AddrCity	ans..40	C	Obligatory if FirstName is transmitted: Town/city in the delivery address	Pflicht, wenn FirstName übergeben wird: Ortsname der Lieferadresse
AddrState	ans..40	C	Obligatory if FirstName is transmitted: Federal state of the delivery address. The town submitted in AddrCity must be located in the given federal state, otherwise PayPal refused this payment. For possible values please refer to the PayPal-API-reference documentation.	Pflicht, wenn FirstName übergeben wird: Bundesland (Bundesstaat) der Lieferadresse. Die in AddrCity übergebene Stadt muss im angegebenen Bundesstaat liegen, sonst lehnt PayPal die Zahlung ab. Mögliche Werte entnehmen Sie bitte der PayPal-API-Reference Dokumentation.
AddrZip	ans..20	C	Obligatory if FirstName is transmitted: Postcode in the delivery address	Pflicht, wenn FirstName übergeben wird: Postleitzahl der Lieferadresse
AddrCountryCode	an2	C	Obligatory if FirstName is transmitted: Country code of the delivery country	Pflicht, wenn FirstName übergeben wird: Ländercode des Lieferlandes
Phone	n..20	C	Obligatory if FirstName is transmitted: Telephone number	Pflicht, wenn FirstName übergeben wird: Telefonnummer

Parameters for PayPal payments with method "shortcut"

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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
refnr	ns..30	O	Merchant's unique reference number
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .

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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
refnr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	Format	CND	Description	Beschreibung
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .	Fehlercode des externen Partners, wenn mit dem Computop Helpdesk abgesprochen.

Response parameters for PayPal with method "shortcut"

Calling the interface for a separate authorization

For a PayPal payment the ORDER can be separated from the subsequent authorization and the following steps. Separate authorization is only possible after the order (TxType=Order) is completed.

For a separate authorization with PayPal, please use the following URL:

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

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.
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
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 . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .
TxType	ans..5	M	Transaction type Auth
FirstName	ans..50	O	Either the first name only or first and second name if a company name is used as a delivery address.
LastName	ans..50	O	Surname or name of the company of the delivery address
AddrStreet	ans..100	O	Street in the delivery address
AddrStreet2	ans..100	O	2. Street name in the delivery address that contains additional information e.g. packing station or similar. In order to receive this as a response parameter, it needs to be activated separately by the Computop Helpdesk .
AddrCity	ans..40	O	Town/city in the delivery address
AddrState	ans..40	O	Federal state of the delivery address. The town submitted in AddrCity must be located in the given federal state, otherwise PayPal refused this payment. For possible values please refer to the PayPal-API-reference documentation.
AddrZip	ans..20	O	Postcode in the delivery address
AddrCountryCode	an2	O	Country code of the delivery country
Phone	n..20	O	Telephone 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
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle . Bitte beachten Sie die weltweit von PayPal unterstützten Währungen unter https://developer.paypal.com/api/rest/reference/currency-codes/ .

Key	Format	CND	Description	Beschreibung
TxType	ans..5	M	Transaction type Auth	Transaktionstyp Auth
FirstName	ans..50	O	Either the first name only or first and second name if a company name is used as a delivery address.	Entweder nur der Vorname oder Vor- und Nachname, falls ein Firmenname als Lieferadresse genutzt wird.
LastName	ans..50	O	Surname or name of the company of the delivery address	Nachname oder Firmenbezeichnung der Lieferadresse
AddressStreet	ans..100	O	Street in the delivery address	Straßenname der Lieferadresse
AddressStreet2	ans..100	O	2. Street name in the delivery address that contains additional information e.g. packing station or similar. In order to receive this as a response parameter, it needs to be activated separately by the Computop Helpdesk .	2. Straßenname in der Lieferadresse, der weitere Informationen zu Packstation o.ä. enthält. Damit dieser Parameter in der Antwort zurückgeliefert werden kann, muss dieser separat vom Computop Helpdesk aktiviert werden.
AddressCity	ans..40	O	Town/city in the delivery address	Ortsname der Lieferadresse
AddressState	ans..40	O	Federal state of the delivery address. The town submitted in AddressCity must be located in the given federal state, otherwise PayPal refused this payment. For possible values please refer to the PayPal-API-reference documentation.	Bundesland (Bundesstaat) der Lieferadresse. Die in AddressCity übergebene Stadt muss im angegebenen Bundesstaat liegen, sonst lehnt PayPal die Zahlung ab. Mögliche Werte entnehmen Sie bitte der PayPal-API-Reference Dokumentation.
AddressZip	ans..20	O	Postcode in the delivery address	Postleitzahl der Lieferadresse
AddressCountryCode	an2	O	Country code of the delivery country	Ländercode des Lieferlandes
Phone	n..20	O	Telephone number	Telefonnummer

Parameters for PayPal authorization

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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .

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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .	Fehlercode des externen Partners, wenn mit dem Computop Helpdesk abgesprochen.

Response parameters for PayPal authorization

Calling the interface for a capture

To carry out a capture for PayPal via a Server-to-Server connection, please use the following URL:

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

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

The following table describes the [encrypted payment request parameters](#):

Key	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	an32	M	ID assigned by Paygate for the payment, 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
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 . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .
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.
RefNr	ans..30	O	Merchant reference number: here a separate reference number, e.g. an invoice number, can be transferred
TID	ans..17	O	PayPal unique transaction number Required for part postings to previous authorisations.
CompleteType	ans..3	O	If <YES> is transferred, the possible open order of PayPal is closed on capture. (Reason: a 115% capture is permissible on the part of PayPal. If a capture reached 100%, Paygate automatically sends a request to close the payment).

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

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle . Bitte beachten Sie die weltweit von PayPal unterstützten Währungen unter https://developer.paypal.com/api/rest/reference/currency-codes/ .

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)

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

Key	Format	CND	Description	Beschreibung
RefNr	ans..30	O	Merchant reference number: here a separate reference number, e.g. an invoice number, can be transferred	Referenznummer des Händlers: hier kann eine separate Referenznummer wie z.B. Rechnungsnummer übergeben werden
TID	ans..17	O	PayPal unique transaction number Required for part postings to previous authorisations.	Eindeutige Transaktionsnummer bei PayPal. Notwendig bei Teilbuchungen auf vorangegangene Autorisierungen.
CompleteType	ans..3	O	If <YES> is transferred, the possible open order of PayPal is closed on capture. (Reason: a 115% capture is permissible on the part of PayPal. If a capture reached 100%, Paygate automatically sends a request to close the payment).	Wird <YES> übergeben, wird bei der Buchung die mögliche offene Order von PayPal geschlossen. (Hintergrund: seitens PayPal ist eine 115% Buchung zulässig. Bei Buchung ab 100% sendet das Paygate automatisch einen Aufruf zum Schließen der Zahlung an PayPal.)

Parameters for PayPal captures

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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .
TID	ans..17	O	PayPal unique transaction number. Required for part postings to previous authorisations.

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

Key	Format	CND	Description	Beschreibung
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie nicht den Parameter Description , sondern Code für die Auswertung des Transaktionsstatus!

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

Key	Format	CND	Description	Beschreibung
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .	Fehlercode des externen Partners, wenn mit dem Computop Helpdesk abgesprochen.

Key	Format	CND	Description	Beschreibung
TID	ans..17	O	PayPal unique transaction number. Required for part postings to previous authorisations.	Eindeutige Transaktionsnummer bei PayPal. Notwendig bei Teilbuchungen auf vorangegangene Autorisierungen.

Result parameters for PayPal captures

Calling the interface for a credit with reference

To carry out a credit with a reference transaction for PayPal, 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.
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
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 . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .
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.
RefNr	ans..30	O	Merchant reference number: here a separate reference number, e.g. an invoice number, can be transferred
TID	ans..17	O	PayPal unique transaction number Required for part credit notes to prior partial captures.
Note	ans..768	C	Explanatory text for recipient
Subject	ans..255	C	MassPay: E-Mail subject to recipient If you want to use the MassPay functionality, please contact the Computop Helpdesk to activate this function for you.

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

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle . Bitte beachten Sie die weltweit von PayPal unterstützten Währungen unter https://developer.paypal.com/api/rest/reference/currency-codes/ .

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 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
RefNr	ans..30	O	Merchant reference number: here a separate reference number, e.g. an invoice number, can be transferred	Referenznummer des Händlers: hier kann eine separate Referenznummer wie z.B. Rechnungsnummer übergeben werden

TID	ans..17	O	PayPal unique transaction number Required for part credit notes to prior partial captures.	Eindeutige Transaktionsnummer bei PayPal. Notwendig bei Teilgutschriften auf vorangegangene Teilbuchungen.
Note	ans..768	C	Explanatory text for recipient	Hinweistext für Empfänger
Subject	ans..255	C	MassPay: E-Mail subject to recipient If you want to use the MassPay functionality, please contact the Computop Helpdesk to activate this function for you.	MassPay: Betreff für E-Mail an Empfänger Wenn Sie die MassPay-Funktionalität nutzen möchten, wenden Sie sich bitte an den Computop Helpdesk , um diese Funktion für Sie zu aktivieren.

Parameters for PayPal credits with reference transaction

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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .
TID	ans..17	O	PayPal unique transaction number. Required for part postings to previous authorisations.
FeeRefundAmount	n..10	O	The refunded amount of the PayPal transaction fees. Required for part credit notes to prior partial captures.
GrossRefundAmount	n..10	O	Amount refunded to the buyer in this refund transaction. Required for part credit notes to prior partial captures.
NetRefundAmount	n..10	O	Amount deducted from your PayPal account to make this refund. Required for part credit notes to prior partial captures.

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

Key	Format	CND	Description	Beschreibung
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .	Fehlercode des externen Partners, wenn mit dem Computop Helpdesk abgesprochen.

Key	Format	CND	Description	Beschreibung
TID	ans..17	O	PayPal unique transaction number. Required for part postings to previous authorisations.	Eindeutige Transaktionsnummer bei PayPal. Notwendig bei Teilbuchungen auf vorangegangene Autorisierungen.
FeeRefundAmount	n..10	O	The refunded amount of the PayPal transaction fees. Required for part credit notes to prior partial captures.	Gutgeschriebener Betrag der PayPal-Transaktionsgebühren. Notwendig bei Teilgutschriften auf vorangegangene Teilbuchungen.
GrossRefundAmount	n..10	O	Amount refunded to the buyer in this refund transaction. Required for part credit notes to prior partial captures.	Gutgeschriebener Betrag an den Käufer bei dieser Gutschrift. Notwendig bei Teilgutschriften auf vorangegangene Teilbuchungen.
NetRefundAmount	n..10	O	Amount deducted from your PayPal account to make this refund. Required for part credit notes to prior partial captures.	Von ihrem PayPal-Konto abgezogener Betrag, um diese Gutschrift auszuführen. Notwendig bei Teilgutschriften auf vorangegangene Teilbuchungen.

Response parameters for PayPal credits with reference transaction

Calling the interface for credits without reference

Use the following URL and parameters to initiate a credit without reference transaction for PayPal payment in the Paygate form:

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

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
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 . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .
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.
refnr	ns..30	O	Merchant's unique reference number

Account	ans..128	O	For managing multiple PayPal accounts, Merchant account: ID or e-Mail address for which the request should be submitted to PayPal
Note	ans..768	C	MassPay: Explanatory text for recipient If you want to use the MassPay functionality, please contact the Computop Helpdesk to activate this function for you.
Subject	ans..255	C	MassPay: E-Mail subject to recipient If you want to use the MassPay functionality, please contact the Computop Helpdesk to activate this function for you.
Payer	ans..100	O	MassPay: Email address of the purchaser If you want to use the MassPay functionality, please contact the Computop Helpdesk to activate this function for you.

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

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle . Bitte beachten Sie die weltweit von PayPal unterstützten Währungen unter https://developer.paypal.com/api/rest/reference/currency-codes/ .

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 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
refnr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	Format	CND	Description	Beschreibung
Account	ans..128	O	For managing multiple PayPal accounts, Merchant account: ID or e-Mail address for which the request should be submitted to PayPal	Zur Steuerung mehrerer PayPal-Accounts, Händler-Account: ID oder E-Mail-Adresse, für die die Anfrage an PayPal gesendet werden soll
Note	ans..768	C	MassPay: Explanatory text for recipient	MassPay: Hinweistext für Empfänger

			If you want to use the MassPay functionality, please contact the Computop Helpdesk to activate this function for you.	Wenn Sie die MassPay-Funktionalität nutzen möchten, wenden Sie sich bitte an den Computop Helpdesk , um diese Funktion für Sie zu aktivieren.
Subject	ans..255	C	MassPay: E-Mail subject to recipient If you want to use the MassPay functionality, please contact the Computop Helpdesk to activate this function for you.	MassPay: Betreff für E-Mail an Empfänger Wenn Sie die MassPay-Funktionalität nutzen möchten, wenden Sie sich bitte an den Computop Helpdesk , um diese Funktion für Sie zu aktivieren.
Payer	ans..100	O	MassPay: Email address of the purchaser If you want to use the MassPay functionality, please contact the Computop Helpdesk to activate this function for you.	MassPay: E-Mail-Adresse des Käufers Wenn Sie die MassPay-Funktionalität nutzen möchten, wenden Sie sich bitte an den Computop Helpdesk , um diese Funktion für Sie zu aktivieren.

Parameters for PayPal credits without reference transaction

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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .
FeeRefundAmount	n..10	O	The refunded amount of the PayPal transaction fees. Required for part credit notes to prior partial captures.
GrossRefundAmount	n..10	O	Amount refunded to the buyer in this refund transaction. Required for part credit notes to prior partial captures.
NetRefundAmount	n..10	O	Amount deducted from your PayPal account to make this refund. Required for part credit notes to prior partial captures.

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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .	Fehlercode des externen Partners, wenn mit dem Computop Helpdesk abgesprochen.

Key	Format	CND	Description	Beschreibung
FeeRefundAmount	n..10	O	The refunded amount of the PayPal transaction fees. Required for part credit notes to prior partial captures.	Gutgeschriebener Betrag der PayPal-Transaktionsgebühren. Notwendig bei Teilgutschriften auf vorangegangene Teilbuchungen.
GrossRefundAmount	n..10	O	Amount refunded to the buyer in this refund transaction. Required for part credit notes to prior partial captures.	Gutgeschriebener Betrag an den Käufer bei dieser Gutschrift. Notwendig bei Teilgutschriften auf vorangegangene Teilbuchungen.
NetRefundAmount	n..10	O	Amount deducted from your PayPal account to make this refund. Required for part credit notes to prior partial captures.	Von ihrem PayPal-Konto abgezogener Betrag, um diese Gutschrift auszuführen. Notwendig bei Teilgutschriften auf vorangegangene Teilbuchungen.

Response parameters for PayPal credits without reference transaction

Call of Paygate interface for reversals

To cancel a transaction with PayPal, please use the following URL:

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

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
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 . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .
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.

TID	ans..17	O	PayPal unique transaction number. Required for part cancellations of prior part authorisations.	
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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
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
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle . Bitte beachten Sie die weltweit von PayPal unterstützten Währungen unter https://developer.paypal.com/api/rest/reference/currency-codes/ .

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
TID	ans..17	O	PayPal unique transaction number. Required for part cancellations of prior part authorisations.	Eindeutige Transaktionsnummer bei PayPal. Notwendig bei Teilstornierungen auf vorangegangene Teilautorisierungen.

Parameters for PayPal reversals

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

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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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .
TID	ans..17	O	PayPal unique transaction number. Required for part cancellations of prior part authorisations.

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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .	Fehlercode des externen Partners, wenn mit dem Computop Helpdesk abgesprochen.

Key	Format	CND	Description	Beschreibung
TID	ans..17	O	PayPal unique transaction number. Required for part cancellations of prior part authorisations.	Eindeutige Transaktionsnummer bei PayPal. Notwendig bei Teilstornierungen auf vorangegangene Teilautorisierungen.

Result parameters for PayPal reversals

Call of Paygate interface for subscriptions

Requirements

- The option „reference transaction“ has to be activated in your PayPal account. Please request the activation at PayPal directly.
- In addition, please configure the corresponding permission in your merchant PayPal account
- Charge an existing customer based on a prior transaction
- Obtain authorisation for pre-approved payments and initiate pre-approved transactions
- The option “reference transaction” has to be activated for your Computop MerchantID.

Process

1. In order to process the initial recurring payment use paypal.aspx and add the parameter “RTF=I”. The additional parameter triggers a recurring flag to be recognized by PayPal. If you want to get the „BillingAgreementID“ only with the first request without to show the original amount to the customer, please submit the parameter “txtype=BAID” to Paygate. If txtype=BAID is submitted, Paygate sets the value automatically to 0,00.
Please note, that the merchant never may send an amount of 0,00€, because Paygate cannot process this.
That means the merchant has to specify an amount X >0,00 and Paygate changes this for PayPal to 0,00.
2. You will receive PayPal’s standard parameters as well as the additional parameter “BillingAgreementID” in Computop Paygate response. Please add and save this parameter in your system.
3. In order to process the second/recurring payment, please use the URL <https://www.computop-paygate.com/paypalAbo.aspx>. In this server-to-server based request, please use the regular parameters as well as the parameter “BillingAgreementID”. The additional parameter triggers the second/recurring payment with reference to the initial recurring payment. This way amount withdrawals are available without the need of a customer login into PayPal.

Notice

- The following addition will be displayed during payment process within the customer’s PayPal account (example):
"Hereby you authorise –merchant name– for future direct withdrawals from your PayPal account without any action on your part. You can revoke this authorisation at any time within your profile."
- The customer can obtain information about this function within his PayPal account.

Capture on demand (capture=manual + txtype=Order or Auth)

- If you are initiating payments including txtype=Order or Auth Computop Paygate returns the "BillingAgreementID" for this action already within the notification. The "BillingAgreementID" is not necessary for the subsequent action capture. Only if a new payment is initiated it is necessary as a referral.

Deleting BillingAgreementID

- The customer can revoke the BillingAgreementID in his PayPal account. The merchant will only be informed about the cancellation if the additional option IPN "instant payment notification" is activated for his account. The activation has to be done by the [Computop Helpdesk](#) as well as PayPal account. Please keep in mind that by activating IPN the merchant receives a notification for each status change of a PayPal payment.
- If a customer revokes the BillingAgreementID no further recurring payments are possible. It is also not possible to reactivate a BillingAgreementID.

Payment processing for subscriptions

The processing of PayPal payments by subscription requires an initial transaction to have been processed via the normal interface. Also the possibility of subscriptions must have been activated previously with both PayPal and [Computop Helpdesk](#). Therefore the option “Reference transaction” must be arranged with [Computop Helpdesk](#) and PayPal. Besides following 3 API Access Level boxes options must be checked in the section “Available permissions” during setup (see section **Setting up the API permission** above):

- Charge existing accounts based on earlier transactions
- Setup and manage subscription payments
- Request of authorization and initializing PayPal payments via merchant debit

Use the following URL and parameters to initiate a PayPal subscription payment in the Paygate form:

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

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
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 . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .
refnr	ns..30	O	Merchant's unique reference number
OrderDesc	ans..30		Description of purchased goods, unit prices etc.
Capture	a..6	M	Auto or Manual determines whether the requested amount is settled immediately or at a later stage. Important Note: Please contact Computop Helpdesk for Manual, to discuss different possibilities of usage.
TxType	ans..5	M	Obligatory for Capture=Manual: Transaction type with possible values Order and Auth
BillingAgreementID	an19	M	Identification number of the invoice agreement. When the buyer confirms the invoice agreement it is validated and remains valid until revoked by the buyer.
RTF	ans1	O	For repeat payments (subscriptions): I = Initial payment of a new subscription R = Routine payment (Recurring)
FirstName	ans..50	OC	(obligatory for USA and Canada): Either the first name only or first and second name if a company name is used as a delivery address.
LastName	ans..50	OC	(obligatory for USA and Canada): Surname or name of the company of the delivery address
AddrStreet	ans..100	OC	(obligatory for USA and Canada): Street in the delivery address
AddrCity	ans..40	OC	(obligatory for USA and Canada): Town/city in the delivery address
AddrState	ans..40	OC	(obligatory for USA and Canada): Federal state of the delivery address. The town submitted in AddrCity must be located in the given federal state, otherwise PayPal refused this payment. For possible values please refer to the PayPal-API-reference documentation.
AddrZip	ans..20	OC	(obligatory for USA and Canada): Postcode in the delivery address
AddrCountryCode	an2	O	Country code of the delivery country
Phone	n..20	O	Telephone number

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

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle . Bitte beachten Sie die weltweit von PayPal unterstützten Währungen unter https://developer.paypal.com/api/rest/reference/currency-codes/ .

Key	Format	CND	Description	Beschreibung
refnr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	Format	CND	Description	Beschreibung
OrderDesc	ans..30		Description of purchased goods, unit prices etc.	Beschreibung der gekauften Waren, Einzelpreise etc.
Capture	a..6	M	Auto or Manual determines whether the requested amount is settled immediately or at a later stage. Important Note: Please contact Computop Helpdesk for Manual, to discuss different possibilities of usage.	Auto oder Manual: bestimmt, ob der angefragte Betrag sofort oder erst später abgebucht wird. Wichtiger Hinweis: Bitte kontaktieren Sie den Computop Helpdesk für Manual, um die unterschiedlichen Einsatzmöglichkeiten abzuklären.
TxType	ans..5	M		

			Obligatory for Capture=Manual: Transaction type with possible values Order and Auth	Pflicht bei Capture=Manual: Transaktionstyp mit den möglichen Werten Order sowie Auth
Billing AgreementID	an19	M	Identification number of the invoice agreement. When the buyer confirms the invoice agreement it is validated and remains valid until revoked by the buyer.	Identifikationsnummer der Rechnungsvereinbarung. Wenn der Käufer die Rechnungsvereinbarung bestätigt, wird sie gültig und bleibt gültig, bis sie vom Käufer widerrufen wird.
RTF	ans1	O	For repeat payments (subscriptions): I = Initial payment of a new subscription R = Routine payment (Recurring)	Bei wiederkehrenden Zahlungen (Abos): I = Initialzahlung eines neuen Abos, R = Wiederkehrende Zahlung (Recurring)
FirstName	ans..50	OC	(obligatory for USA and Canada): Either the first name only or first and second name if a company name is used as a delivery address.	(Pflicht für USA und Kanada): Entweder nur der Vorname oder Vor- und Nachname, falls ein Firmenname als Lieferadresse genutzt wird.
LastName	ans..50	OC	(obligatory for USA and Canada): Surname or name of the company of the delivery address	(Pflicht für USA und Kanada): Nachname oder Firmenbezeichnung der Lieferadresse
AddressStreet	ans..100	OC	(obligatory for USA and Canada): Street in the delivery address	(Pflicht für USA und Kanada): Straßensname der Lieferadresse
AddressCity	ans..40	OC	(obligatory for USA and Canada): Town/city in the delivery address	(Pflicht für USA und Kanada): Ortsname der Lieferadresse
AddressState	ans..40	OC	(obligatory for USA and Canada): Federal state of the delivery address. The town submitted in AddrCity must be located in the given federal state, otherwise PayPal refused this payment. For possible values please refer to the PayPal-API-reference documentation.	(Pflicht für USA und Kanada): Bundesland (Bundesstaat) der Lieferadresse. Die in AddrCity übergebene Stadt muss im angegebenen Bundesstaat liegen, sonst lehnt PayPal die Zahlung ab. Mögliche Werte entnehmen Sie bitte der PayPal-API-Reference Dokumentation.
AddressZip	ans..20	OC	(obligatory for USA and Canada): Postcode in the delivery address	(Pflicht für USA und Kanada): Postleitzahl der Lieferadresse
AddressCountryCode	an2	O	Country code of the delivery country	Ländercode des Lieferlandes
Phone	n..20	O	Telephone number	Telefonnummer

Parameters for PayPal subscriptions

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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .
BillingAgreementID	an19	M	Identification number of the invoice agreement. When the buyer confirms the invoice agreement it is validated and remains valid until revoked by the buyer.

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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .	Fehlercode des externen Partners, wenn mit dem Computop Helpdesk abgesprochen.

Key	Format	CND	Description	Beschreibung
Billing AgreementID	an19	M	Identification number of the invoice agreement. When the buyer confirms the invoice agreement it is validated and remains valid until revoked by the buyer.	Identifikationsnummer der Rechnungsvereinbarung. Wenn der Käufer die Rechnungsvereinbarung bestätigt, wird sie gültig und bleibt gültig, bis sie vom Käufer widerrufen wird.

Result parameters for PayPal subscriptions

Batch processing via the interface

Basic information about using Batch files and about their structure can be found in the Batch Manager manual. Within batch processing not all functions are available which are usually available for the online interface.

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

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

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

Action	Version	Description
Authorize	1.0 / 2.0	Standard version without return of parameter Code
	1.4 / 2.4	with TID
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)
	1.4 / 2.4	with TID
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)
	1.4 / 2.4	with TID
CreditEx	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
	1.4 / 2.4	with TID
Abo	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 PayPal payment within a Batch file to be submitted is the following:

```
HEAD,<MerchantID>,<Date>,<Version>
PAYPAL,Authorize,<Amount>,<Currency>,<TransID>,<PayID>
PAYPAL,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,( <TID>)
PAYPAL,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,( <TID>)
PAYPAL,CreditEx,<TransID>,( <RefNr>,<Amount>,<Currency>,<payer>,<note>
PAYPAL,Reverse,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,( <TID>)
PAYPAL,ABO,<Amount>,<Currency>,<TransID>,( <RefNr>),( <OrderDesc>),( <Capture>),( <TxType>),( <BillingAgreementId>
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
```

Notice: In Version 1.4 it is also possible to transfer CompleteType together with a Capture action:

```
PAYPAL,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,( <CompleteType>,<TID>)
```

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

Key	Format	CND	Description
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
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 . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .
Type	a..11	M	HEAD for Header, FOOT for Footer, PAYPAL for PayPal
Action	a..20	M	The parameter Action defines the type of transaction: Authorize Capture Credit CreditEx (credit note without previous capture; please agree this with Computop Helpdesk beforehand) Reverse (cancellation) Abo (subscription)
RefNr	ans..30	O	Unique reference number
payer	ans..100	O	MassPay: Email address of the purchaser: In this case you transfer the received email parameter from the Response If you want to use the MassPay functionality, please contact the Computop Helpdesk to activate this function for you.
note	ans..758	O	Explanatory text for recipient

TID	ans..17	O	PayPal unique transaction number Required for a number of authorisations or part captures, part credit notes or part cancellations.
OrderDesc	ans..127	O	Description of purchased goods, unit prices etc.
Capture	a..6	O	Auto or Manual: determines whether the requested amount is settled immediately or at a later stage.
TxType	ans..5	OC	Obligatory for Capture=Manual: Transaction type with possible values Order and Auth
BillingAgreementID	an19	M	Identification number of the invoice agreement. When the buyer confirms the invoice agreement it is validated and remains valid until revoked by the buyer.

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

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table . Please note the global PayPal supported currencies at https://developer.paypal.com/api/rest/reference/currency-codes/ .	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle . Bitte beachten Sie die weltweit von PayPal unterstützten Währungen unter https://developer.paypal.com/api/rest/reference/currency-codes/ .

Key	Format	CND	Description	Beschreibung
Type	a..11	M	HEAD for Header, FOOT for Footer, PAYPAL for PayPal	HEAD für Header, FOOT für Footer, PAYPAL für PayPal
Action	a..20	M	The parameter Action defines the type of transaction: Authorize Capture Credit CreditEx (credit note without previous capture; please agree this with Computop Helpdesk beforehand) Reverse (cancellation) Abo (subscription)	Der Action-Parameter definiert die Art der Transaktion: Authorize (Autorisierung) Capture (Buchung) Credit (Gutschrift) CreditEx (Gutschrift ohne vorherige Buchung; bitte stimmen sie sich hierzu vorher mit dem Computop Helpdesk ab) Reverse (Storno) Abo (Abonnement)
RefNr	ans..30	O	Unique reference number	eindeutige Referenznummer
payer	ans..100	O	MassPay: Email address of the purchaser: In this case you transfer the received email parameter from the Response If you want to use the MassPay functionality, please contact the Computop Helpdesk to activate this function for you.	MassPay: E-Mail-Adresse des Käufers: Übergeben Sie hier den erhaltenen Parameter E-Mail aus der Response Wenn Sie die MassPay-Funktionalität nutzen möchten, wenden Sie sich bitte an den Computop Helpdesk , um diese Funktion für Sie zu aktivieren.
note	ans..758	O	Explanatory text for recipient	Hinweistext für Empfänger
TID	ans..17	O	PayPal unique transaction number Required for a number of authorisations or part captures, part credit notes or part cancellations.	Eindeutige Transaktionsnummer bei PayPal. Notwendig bei mehreren Autorisierungen oder Teilbuchungen, Teilgutschriften, Teilstornierungen.
Order Desc	ans..127	O	Description of purchased goods, unit prices etc.	Beschreibung der gekauften Waren, Einzelpreise etc.
Capture	a..6	O	Auto or Manual: determines whether the requested amount is settled immediately or at a later stage.	Auto oder Manual: bestimmt, ob der angefragte Betrag sofort oder erst später abgebucht wird.
TxType	ans..5	OC	Obligatory for Capture=Manual: Transaction type with possible values Order and Auth	Pflicht bei Capture=Manual: Transaktionstyp mit den möglichen Werten Order sowie Auth
Billing AgreementID	an19	M	Identification number of the invoice agreement. When the buyer confirms the invoice agreement it is validated and remains valid until revoked by the buyer.	Identifikationsnummer der Rechnungsvereinbarung. Wenn der Käufer die Rechnungsvereinbarung bestätigt, wird sie gültig und bleibt gültig, bis sie vom Käufer widerrufen wird.

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>
PAYPAL,Authorize,<Amount>,<Currency>,<TransID>,<PayID>,<Status>,<Code>,<CodeExt>
PAYPAL,Capture,<Betrag>,<Währung>,<TransID>,( <RefNr>,<PayID>,(TID,<Status>,<Code>,<CodeExt>
PAYPAL,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,(TID,<Status>,<Code>,<CodeExt>
PAYPAL,CreditEx,<TransID>,( <RefNr>,<Amount>,<Currency>,<payer>,<note>,<Status>,<Code>,<CodeExt>
PAYPAL,Reverse,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,<Status>,<Code>,<CodeExt>
PAYPAL,ABO,<Amount>,<Currency>,<TransID>,( <RefNr>,<OrderDesc>,<Capture>,<TxType>,<BillingAgreementId>,<CodeExt>,<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 like capture or credit.
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.
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Code	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .

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

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

Key	Format	CND	Description	Beschreibung
CodeExt	n..10	O	Error code from external partner. Needs to be agreed with Computop Helpdesk .	Fehlercode des externen Partners, wenn mit dem Computop Helpdesk abgesprochen.

Description of result parameters within the record for Batch files