

# SimplePay

## About SimplePay

### General information about SimplePay

<b>Logo</b>	<a href="#">blocked URL</a>
<b>Info</b>	SimplePay is a secure and fast payment solution for merchants and customers. The SimplePay service is available in thousands of online stores, making financial transactions possible for customers with a Simple account (who can also use their saved card) and for other online customers.
<b>Type</b>	<a href="#">Payments by eWallet</a>

Further information can be found on the webpage of SimplePay (<https://simplepay.hu/>).

### Important information



Please note that, unlike our currency table, the currency HUF (Hungarian Forints) must be given without decimal places.

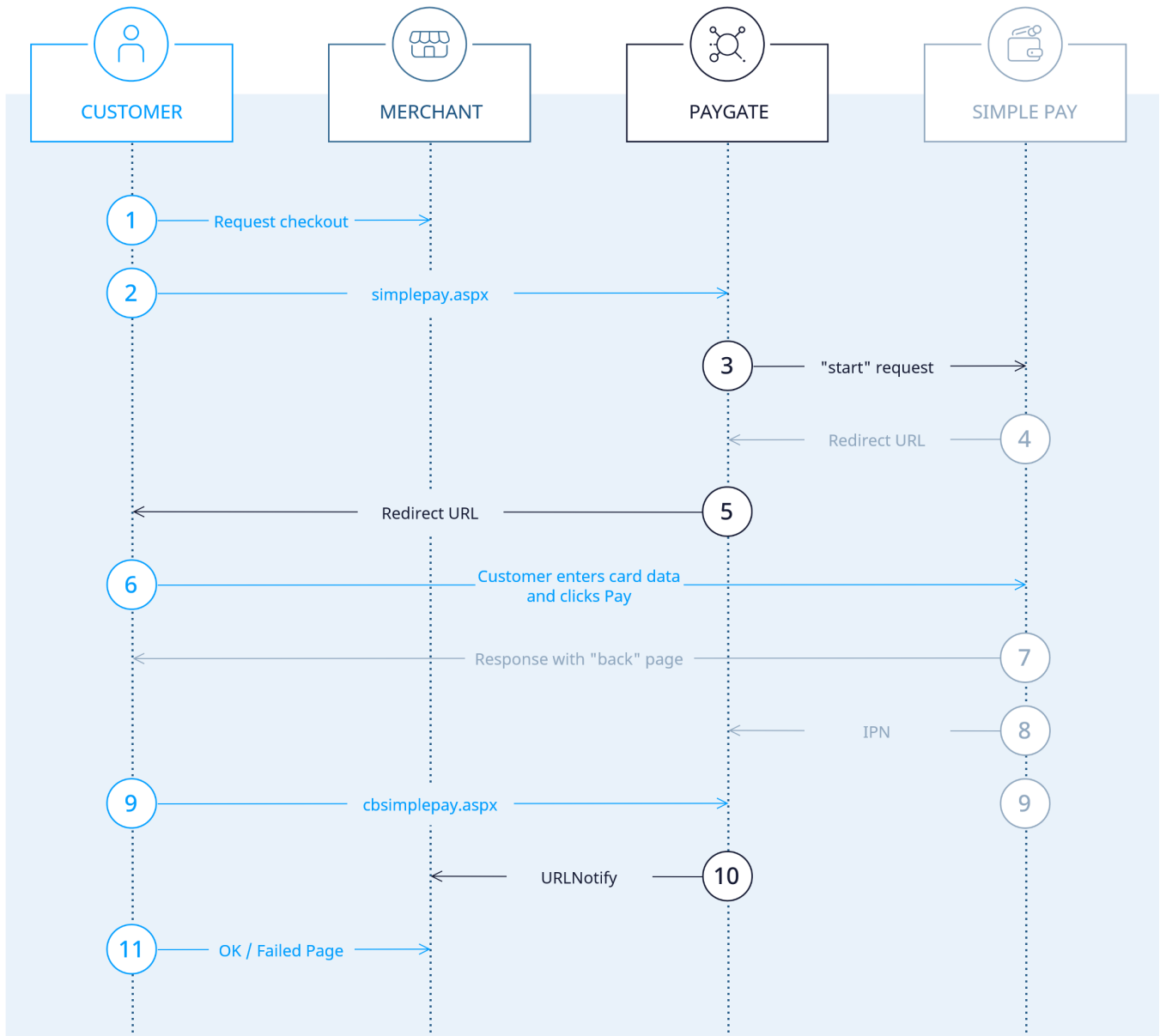
Example: To transfer 100.00 HUF one enters the amount=100.

This exception applies only for the SimplePay payment method.

### Process flow chart

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SimplePay process flow

## Paygate interface

### Definitions

#### Data formats

Format	Description
a	alphabetical
as	alphabetical with special characters
n	numeric
an	alphanumeric

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

## Abbreviations

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

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

## Payment with SimplePay over Paygate form interface

To make a payment with SimplePay, please use the following URL:

<https://www.computop-paygate.com/simplepay.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
<a href="#">MerchantID</a>	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
<a href="#">TransID</a>	ans..64	M	TransactionID provided by you which should be unique for each payment
<a href="#">RefNr</a>	ans..40	O	Merchant's unique reference number
<a href="#">Amount</a>	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the <a href="#">Computop Helpdesk</a> , if you want to capture amounts <100 (smallest currency unit).
<a href="#">Currency</a>	a3	M	Currency, three letters DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: <a href="#">A1 Currency table</a>
<a href="#">MAC</a>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"> <li><a href="#">HMAC Authentication (Request)</a></li> <li><a href="#">HMAC Authentication (Notify)</a></li> </ul>
<a href="#">UserData</a>	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.

ReqId	ans..32	O	<p>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.</p> <p>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.</p> <p><b>Notice:</b> Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.</p>																												
Order Desc	ans..128	M	<p>Description of purchased goods, unit prices etc. Permitted characters a-z, A-Z, the digits 0-9 and the special characters ;,.,?!()".</p>																												
URLS success	ans..256	M	<p>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 <a href="#">UserData</a>.</p> <p><b>i Common notes:</b></p> <ul style="list-style-type: none"> <li>We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate</li> <li>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.</li> </ul>																												
URLFailure	ans..256	M	<p>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 <a href="#">UserData</a>.</p> <p><b>i Common notes:</b></p> <ul style="list-style-type: none"> <li>We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate</li> <li>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.</li> </ul>																												
Response	a7	O	<p>Status response sent by Paygate to <a href="#">URLSuccess</a> and <a href="#">URLFailure</a>, should be encrypted. For this purpose, transmit <a href="#">Response=encrypt</a> parameter.</p>																												
URLNotify	ans..256	M	<p>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 <a href="#">UserData</a> parameter instead.</p> <p><b>i Common notes:</b></p> <ul style="list-style-type: none"> <li>Before follow-up actions (capture / credit / reversal) are carried out on an existing transaction, the first Notify must have been answered by the shop.</li> <li>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.</li> </ul>																												
Email	ans..32	C	<p>Email address of the customer</p>																												
Phone	n..16	O	<p>Customer phone number</p>																												
expirationTime	ans..19	O	<p>Timestamp for the end time of the transaction processing, specified in UTC</p>																												
Language	a2	O	<p>Language of the payment page</p>																												
InvoiceFlag	boolean	C	<p>If the billing information of the buyer is not known in the merchant system, this will allow the customer to provide this information on the payment page.</p>																												
ArticleList	array	O	<table border="1"> <thead> <tr> <th>key</th> <th>type</th> <th></th> <th>CND</th> </tr> </thead> <tbody> <tr> <td>ref</td> <td>string</td> <td>Articlelist1.ArticleCode</td> <td>C</td> </tr> <tr> <td>title</td> <td>string</td> <td>Articlelist1.ArticleName</td> <td>C</td> </tr> <tr> <td>desc</td> <td>string</td> <td>Articlelist1.Description</td> <td>C</td> </tr> <tr> <td>amount</td> <td>string</td> <td>Articlelist1.Quantity</td> <td>C</td> </tr> <tr> <td>price</td> <td>string</td> <td>Articlelist1.UnitPrice</td> <td>C</td> </tr> <tr> <td>tax</td> <td>string</td> <td>Articlelist1.VAT-rate</td> <td>C</td> </tr> </tbody> </table> <p>Articlelist1=ArticleName,ArticleCode,UnitPrice,Quantity,VAT-rate,Description  Articlelist2=ArticleName,ArticleCode,UnitPrice,Quantity,VAT-rate,Description  ...  ArticlelistN=ArticleName,ArticleCode,UnitPrice,Quantity,VAT-rate,Description</p>	key	type		CND	ref	string	Articlelist1.ArticleCode	C	title	string	Articlelist1.ArticleName	C	desc	string	Articlelist1.Description	C	amount	string	Articlelist1.Quantity	C	price	string	Articlelist1.UnitPrice	C	tax	string	Articlelist1.VAT-rate	C
key	type		CND																												
ref	string	Articlelist1.ArticleCode	C																												
title	string	Articlelist1.ArticleName	C																												
desc	string	Articlelist1.Description	C																												
amount	string	Articlelist1.Quantity	C																												
price	string	Articlelist1.UnitPrice	C																												
tax	string	Articlelist1.VAT-rate	C																												

ChargeAmount	n..10	O	The amount of the shipping cost specified in the currency setup in the account, which will be added to the amount payable
Discount	n..10	O	The amount of the discount specified in the currency setup in the account, which will be deducted from the amount payable
FirstName	ans..32	O	First name of the customer, if different from the value "invoice"/"name"
LastName	ans..32	O	Last name of the customer, if different from the value "invoice"/"name"
CountryCode	a2	O	Country code
Plain	ans..50	O	A single value to be set by the merchant to return some information unencrypted in response/notify, e.g. the MID. "Plain"-parameter is part of encrypted "Data" in Computop Paygate and therefore protected against manipulation.
Custom	ans..1024	O	"Custom"-parameter is added to the request data before encryption and is part of encrypted "Data" in Computop Paygate request. By this they are protected against manipulation by a consumer.  The Custom-value is added to the Computop Paygate response in plain text and the " " is replaced by a "&". By this you can put a single value into Custom-parameter and get multiple key-value-pairs back in response for your own purpose.

Parameters for SimplePay

### Invoice array

Parameter	CND
bdFirstName	C
bdLastName	
bdCompanyOrPerson	O
bdCountryCode	C
bdState	C
bdCity	C
bdZIP	C
bdStreet	C
bdStreetNr	

### Delivery array

If different from invoice data

Parameter	CND
sdFirstName	C
sdLastName	
sdCompany	O
sdCountryCode	C
sdState	C
sdCity	C
sdZip	C
sdStreet	C
sdStreetNr	
sdStreet2	O
sdPhone	O

Die folgende Tabelle beschreibt die Ergebnis-Parameter, die das Paygate an Ihre **URLSuccess**, **URLFailure** und **URLNotify** übergibt. Wenn Sie den Parameter **Response=encrypt** angegeben haben, werden die folgenden Parameter mit Blowfish verschlüsselt an Ihr System übergeben:

! es können jederzeit neue Parameter hinzugefügt bzw. die Reihenfolge geändert werden

! die Parameter (z.B. mid, RefNr) sollten nicht auf Groß-/Kleinschreibung geprüft werden

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 or AUTHORIZE_REQUEST ( <a href="#">URLSuccess</a> ) as well as FAILED ( <a href="#">URLFailure</a> )
Description	ans..1024	M	Further details in the event that payment is rejected. Please <b>do not</b> use the <b>Description</b> but the <a href="#">Code</a> parameter for the transaction status analysis!
Code	an8	M	Error code according to Paygate Response Codes ( <a href="#">A4 Error codes</a> )
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"><li>• <a href="#">HMAC Authentication (Request)</a></li><li>• <a href="#">HMAC Authentication (Notify)</a></li></ul>
RefNr	ans..40	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.
TransactionID	an..20	O	Unique transaction number with SimplePay (orderRef)
Plain	ans..50	O	A single value to be set by the merchant to return some information unencrypted in response/notify, e.g. the MID. "Plain"-parameter is part of encrypted "Data" in Computop Paygate and therefore protected against manipulation.
Custom	ans..1024	O	"Custom"-parameter is added to the request data before encryption and is part of encrypted "Data" in Computop Paygate request. By this they are protected against manipulation by a consumer.  The Custom-value is added to the Computop Paygate response in plain text and the " " is replaced by a "&". By this you can put a single value into Custom-parameter and get multiple key-value-pairs back in response for your own purpose.

Result parameters for URLNotify, URLSuccess and URLFailure in case of SimplePay

## Example request

Plain data:

```
MerchantID=npesic_test&TransID=52269355424149223537&Amount=3000&Currency=HUF&RefNR=15005776&URLBack=https://computop.com/paygate-test&URLSuccess=https://computop.com/developer/blowfish-test/success.php&URLFailure=https://computop.com/developer/blowfish-test/failure.php&URLNotify=https://computop.com/developer/blowfish-test/notify.php&email=nebojsa.pesic@computop.com&Orderdesc=test
```

## Capture

If your MID isn't configured for Sale operation, every initial SimplePay payment (call to simplepay.aspx) should be confirmed using capture.aspx endpoint or canceled via reverse.aspx.

Captures (or confirmations in terms of SimplePay) are possible via a Server-to-Server connection. To carry out a capture 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
<a href="#">MerchantID</a>	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
<a href="#">PayID</a>	an32	M	ID assigned by Paygate for the payment to be captured
<a href="#">TransID</a>	ans..64	M	TransactionID provided by you which should be unique for each payment
<a href="#">Amount</a>	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the <a href="#">Computop Helpdesk</a> , if you want to capture amounts <100 (smallest currency unit).
<a href="#">Currency</a>	a3	M	Currency, three letters DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: <a href="#">A1 Currency table</a>
<a href="#">MAC</a>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"> <li><a href="#">HMAC Authentication (Request)</a></li> <li><a href="#">HMAC Authentication (Notify)</a></li> </ul>
<a href="#">ReqID</a>	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.  <b>Notice:</b> Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.
<a href="#">CompleteType</a>	ans..3	O	Specifies whether only a partial amount is being confirmed and authorization should be kept open. If <YES> is transferred, the possible open order is closed on capture.

Parameters for captures of SimplePay

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. mid, RefNr) should not be checked case-sensitive

Key	Format	CND	Description
<a href="#">mid</a>	ans..30	M	MerchantID, assigned by Computop
<a href="#">PayID</a>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
<a href="#">XID</a>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<a href="#">TransID</a>	ans..64	M	TransactionID provided by you which should be unique for each payment
<a href="#">Status</a>	a..50	M	OK ( <a href="#">URLSuccess</a> ) or FAILED ( <a href="#">URLFailure</a> )
<a href="#">Description</a>	ans..1024	M	Further details in the event that payment is rejected. Please <b>do not</b> use the <b>Description</b> but the <a href="#">Code</a> parameter for the transaction status analysis!
<a href="#">Code</a>	an8	M	Error code according to Paygate Response Codes ( <a href="#">A4 Error codes</a> )

Result parameters for captures of SimplePay

## Reversal

Reversals are possible via a Server-to-Server connection. In order to cancel a payment via a server-to-server communication, please use the following URL:

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

**Notice:** Reverse.aspx does not only reverse authorisations, but any LAST TRANSACTION STAGE! If the last transaction was a capture, Reverse.aspx initiates the reverse, e.g. a credit. Therefore, the utmost caution is urged. Use is at your own risk. We recommend checking the transaction status with Inquire.aspx before using Reverse.aspx.


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


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

Key	Format	CND	Description
<a href="#">MerchantID</a>	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
<a href="#">PayID</a>	an32	M	ID assigned by Paygate for the payment to be reversed
<a href="#">TransID</a>	ans..64	M	TransactionID provided by you which should be unique for each payment
<a href="#">Amount</a>	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the <a href="#">Computop Helpdesk</a> , if you want to capture amounts <100 (smallest currency unit).
<a href="#">Currency</a>	a3	M	Currency, three letters DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: <a href="#">A1 Currency table</a>
<a href="#">MAC</a>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"> <li><a href="#">HMAC Authentication (Request)</a></li> <li><a href="#">HMAC Authentication (Notify)</a></li> </ul>
<a href="#">UserData</a>	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
<a href="#">ReqID</a>	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.  <b>Notice:</b> Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.

Parameters for reversals of SimplePay

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. mid, RefNr) should not be checked case-sensitive

Key	Format	CND	Description
<a href="#">mid</a>	ans..30	M	MerchantID, assigned by Computop
<a href="#">PayID</a>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
<a href="#">XID</a>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<a href="#">TransID</a>	ans..64	M	TransactionID provided by you which should be unique for each payment
<a href="#">Status</a>	a..50	M	OK ( <a href="#">URLSuccess</a> ) or FAILED ( <a href="#">URLFailure</a> )
<a href="#">Description</a>	ans..1024	M	Further details in the event that payment is rejected. Please <b>do not</b> use the <b>Description</b> but the <a href="#">Code</a> parameter for the transaction status analysis!
<a href="#">Code</a>	an8	M	Error code according to Paygate Response Codes ( <a href="#">A4 Error codes</a> )

Result parameters for reversals of SimplePay

## Credit with reference

Credits (refunds) are possible via a Server-to-Server connection. For a Credit with reference to a capture the amount of the Credit is limited to the amount of the previous capture. To carry out a credit with a reference transaction, please use the following URL:

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


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


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

Key	Format	CND	Description
<a href="#">MerchantID</a>	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
<a href="#">PayID</a>	an32	M	ID assigned by Paygate for the payment to be credited
<a href="#">TransID</a>	ans..64	M	TransactionID provided by you which should be unique for each payment
<a href="#">Amount</a>	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the <a href="#">Computop Helpdesk</a> , if you want to capture amounts <100 (smallest currency unit).
<a href="#">Currency</a>	a3	M	Currency, three letters DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: <a href="#">A1 Currency table</a>
<a href="#">MAC</a>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"> <li><a href="#">HMAC Authentication (Request)</a></li> <li><a href="#">HMAC Authentication (Notify)</a></li> </ul>
<a href="#">ReqID</a>	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.  <b>Notice:</b> Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.

Parameters for credit payments with SimplePay

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. mid, RefNr) should not be checked case-sensitive

Key	Format	CND	Description
<a href="#">mid</a>	ans..30	M	MerchantID, assigned by Computop
<a href="#">PayID</a>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
<a href="#">XID</a>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<a href="#">TransID</a>	ans..64	M	TransactionID provided by you which should be unique for each payment
<a href="#">Status</a>	a..50	M	OK ( <a href="#">URLSuccess</a> ) or FAILED ( <a href="#">URLFailure</a> )
<a href="#">Description</a>	ans..1024	M	Further details in the event that payment is rejected. Please <b>do not</b> use the <b>Description</b> but the <a href="#">Code</a> parameter for the transaction status analysis!
<a href="#">Code</a>	an8	M	Error code according to Paygate Response Codes ( <a href="#">A4 Error codes</a> )

Response parameters for credit payments with SimplePay