



# Zimpler

Integration Guide

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## Document history

Date	Name	Change
07.06.2018	Peter Posse	First version

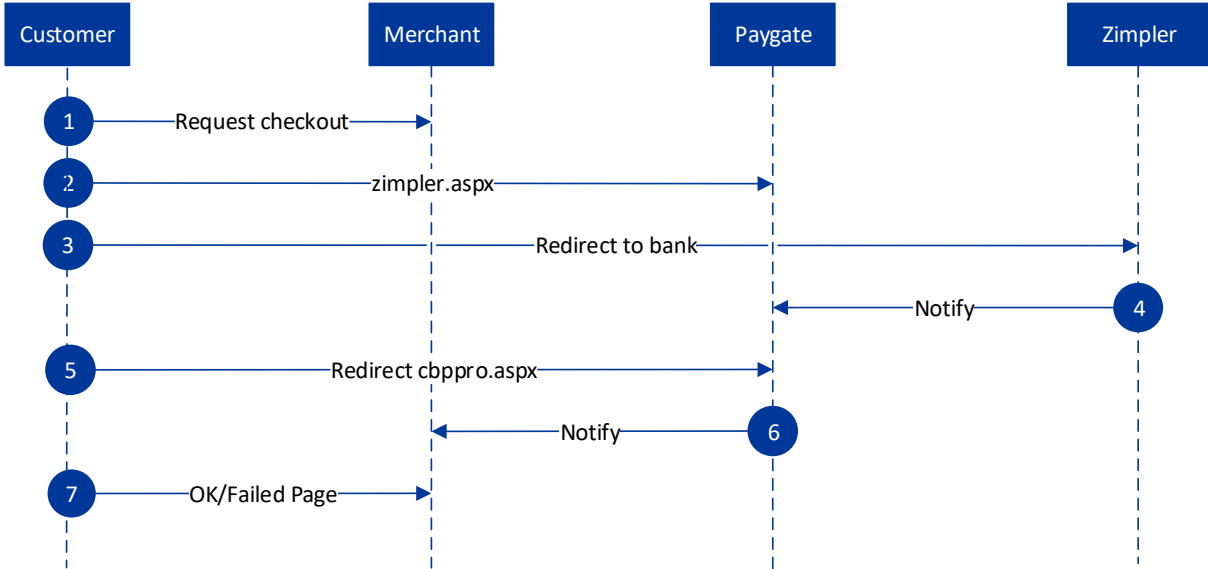
# ABOUT ZIMPLER

## General information about Zimpler



Zimpler is a FinTech company focused on excelling the mobile payment experience. Zimpler is developed with the purpose of simplifying mobile payments online, while giving users control over their spending.

## Process flow chart



Zimpler process flow

# PAYGATE INTERFACE

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## Definitions

Data formats:

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

Abbreviations:

Abbreviation	Description
CND	condition
M	mandatory
O	optional
C	conditional

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

## Payment with Zimpler via Paygate form interface

To make a payment with Zimpler, go to the following URL:

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

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

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>MerchantID</b>	ans..30	M	MerchantID, assigned by Computop
<b>TransID</b>	ans..64	M	Merchant transaction number, which must be unique
<b>RefNr</b>	ans..30	O	Merchant's unique reference number
<b>Amount</b>	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
<b>Currency</b>	a3	M	Currency, three digits DIN / ISO 4217 Only EUR, SEK allowed. Must match with AddrCountryCode (EUR/FI or SEK/SE).
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
<b>URLSuccess</b>	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 <b>UserData</b> .
<b>URLFailure</b>	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 <b>UserData</b> .
<b>Response</b>	a7	O	Status response sent by Paygate to <b>URLSuccess</b> and <b>URLFailure</b> , should be encrypted. For this purpose, transmit <b>Response=encrypt</b> parameter.
<b>URLNotify</b>	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 <b>UserData</b> parameter instead.
<b>UserData</b>	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
<b>ReqID</b>	ans..32	O	To avoid double payments, enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction is submitted again with the same ReqID, Paygate will not carry out the payment, but will just return the status of the original transaction.
<b>OrderDesc</b>	ans..768	M	Description of goods and prices. Intended purpose on the statement of account
<b>SellingPoint</b>	ans..50	O	Selling point
<b>Service</b>	ans..50	O	Products or service sold
<b>Channel</b>	ans..64	O	Configuration channel of the PPRO contract (account and ContractID are stored in the system). If it exists, it may overwrite channels stored in the system
<b>AccOwner</b>	ans..50	M	Name of account holder
<b>Email</b>	ans..100	M	E-Mail address of account holder
<b>MobileNo</b>	ns..20	O	Mobile telephone number of account holder
<b>AddrCountryCode</b>	a2	M	Country code according to ISO-3166-1, alphanumeric 2 chars. Only FI, SE allowed.
<b>Plain</b>	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID

<b>Custom</b>	ans..1024	O	The merchant can submit several values separated by   which are returned un-encrypted and separated by &. Custom=session=123 id=456 will change in the answer to Session=123&id=456
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Parameters for payments with Zimpler

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

Parameter	Format	CND	Description
<b>MID</b>	ans..30	M	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
<b>XID</b>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<b>TransID</b>	ans..64	M	Merchant's transaction number
<b>RefNr</b>	ans..30	O	Merchant's unique reference number
<b>Status</b>	a..30	M	OK in the case of URLSuccess and AUTHORIZE_REQUEST or FAILED in the case of URLFailure
<b>Description</b>	ans..1024	M	Further details in the event that payment is rejected. Please do not use the <b>Description</b> but the <b>Code</b> parameter for the transaction status analysis!
<b>Code</b>	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from <a href="http://www.computop.de/manual">www.computop.de/manual</a> )
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
<b>UserData</b>	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
<b>PaymentPurpose</b>	ans..26	M	Purpose of payment
<b>PaymentGuarantee</b>	a..12	C	<b>NONE</b> = no payment guarantee, <b>VALIDATED</b> = customer account valid, but no payment guarantee, <b>FULL</b> = payment guarantee <b>Notice:</b> This parameter is only returned if the Status=OK.
<b>ErrorText</b>	ans..256	C	Detailed PPRO error message. <b>Notice:</b> Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.
<b>TransactionID</b>	an..20	O	Unique transaction number with PPRO
<b>Plain</b>	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID
<b>Custom</b>	ans..1024	O	The merchant can submit several values separated by   which are returned un-encrypted and separated by &. Custom=session=123 id=456 will change in the answer to Session=123&id=456

Return parameters for URLSuccess, URLFailure and URLNotify with Zimpler

## 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, Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>MerchantID</b>	ans..30	M	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	ID assigned by Paygate for the payment to be credited
<b>TransID</b>	ans..64	M	TransactionID which should be unique for each payment
<b>RefNr</b>	ans..30	O	Merchant's unique reference number
<b>Amount</b>	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
<b>Currency</b>	a..3	M	Currency code, three digits DIN / ISO 4217
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for credit payments with Zimpler via socket connection

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
<b>MID</b>	ans..30	M	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
<b>XID</b>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<b>TransID</b>	ans..64	M	Merchant's transaction number
<b>Status</b>	a..30	M	OK or FAILED
<b>Description</b>	ans..1024	M	Further details in the event that payment is rejected. Please do not use the <b>Description</b> but the <b>Code</b> parameter for the transaction status analysis!
<b>Code</b>	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from <a href="http://www.computop.de/manual">www.computop.de/manual</a> )
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
<b>RefNr</b>	ans..30	O	Merchant's unique reference number
<b>ErrorText</b>	ans..256	O	Detailed PPRO error message
<b>TransactionID</b>	an..20	O	Unique transaction number with PPRO

Response parameters for credit payments with Zimpler via socket connection