



ChinaPay

Integration Guide

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Document history

Date	Name	Change
31.03.2017	Peter Posse	TransID & RefNr changed to an..32
04.10.2016	Peter Posse	First version

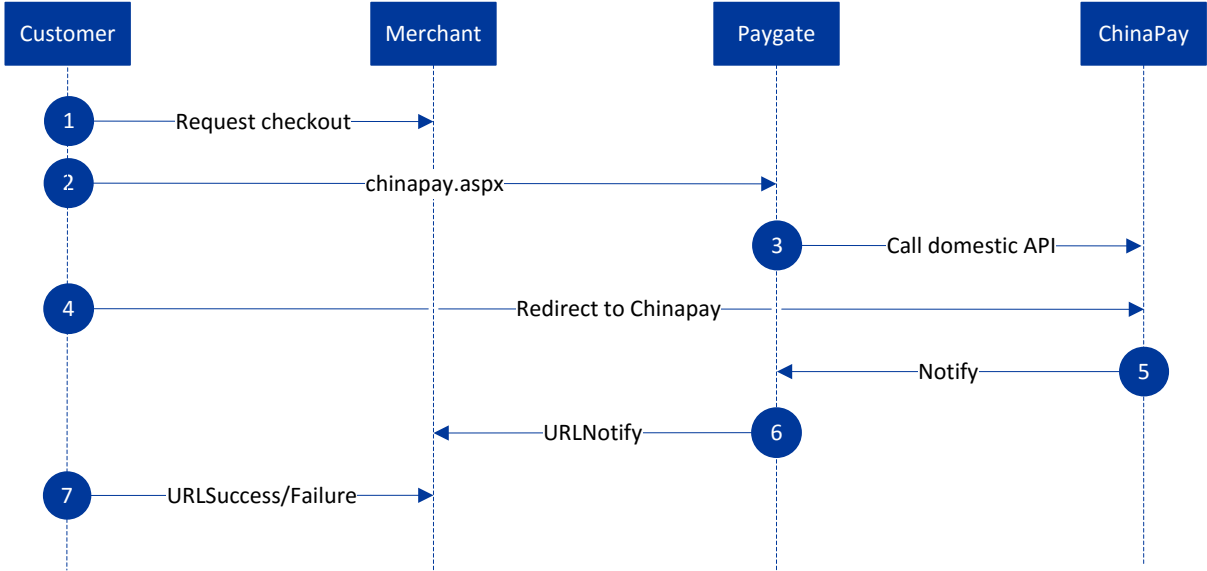
ABOUT CHINAPAY

General information about ChinaPay

ChinaPay is the online payment service of China UnionPay (CUP). The company offers both banking, broker and payment services as well as offline purchases on account and POS terminals. ChinaPay is the third largest online payment services provider in China.

Further information can be found on the webpage of ChinaPay (<http://www.chinapay.co.uk/>).

Process flow chart



ChinaPay 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-DDDhh:mm:ss)

Abbreviations:

Abbreviation	Description
CND	condition
M	mandatory
O	optional
C	conditional

Payment with ChinaPay via Paygate form interface

Please enter the following URL to process a ChinaPay payment via the Paygate form:

<https://www.computop-paygate.com/chinapay.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
MerchantID	ans..30	M	MerchantID, assigned by Computop
TransID	an..32	M	Merchant transaction number, which must be unique
RefNr	an..32	O	Unique reference number
Amount	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).
Currency	a3	M	Currency, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
OrderDesc	ans..768	M	Description of goods, unit prices etc. The special characters "#", "&", "%" and "+" are not permitted here.
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 .
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 .
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.
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
ReqID	ans..32	O	To avoid double payments, 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.
Timeout	ans..3	O	Time limit for the transaction
Channel	n..4	O	0001-B2C; 0002-B2B. Default value 0001
AccBank	n..15	C	Obligatory for e-banking: the end customer is forwarded direct to the stated bank. Only available for domestic customers.
PayoutList	ans..24	C	For split payments only. Do not fill in if there is no split. Separate individual values with ",". SplitType: 0001: realtime split; 0002: delayed split SplitMethod: 0: Split by amount; 1: Split by proportion MerSplitMsg :MerchantID^Amount or proportion. For example: "0001;0;xxx^200, xxx^200, xxx^200" (Notice: "xxx" is the PSPs merchantID)

CustomParameter	ans..	O	Additional parameters for transactions which are separated by semicolon. You can use 11 fields. The length of BusId should be less than 8, for the values P1 to P10 less than 512. BusId;P1;P2;P3;P4;P5;P6;P7;P8;P9;P10 For example: 00000001;123;451;124
TimeStamp	n..20	O	Time of merchant system in milliseconds
IPAddr	a..15	O	IP address of the client's browser
Plain	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID
Custom	ans..1024	O	The merchant can submit several values separated by which are returned unencrypted and separated by &. Custom=session=123 id=456 will change in the answer to Session=123&id=456

Parameters for payments with ChinaPay

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 forwarded Blowfish encrypted to your system:

Parameter	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.
XID	an32	M	ID for all single transactions for one payment assigned by Paygate
TransID	an..32	M	Merchant's transaction number
RefNr	an..32	O	Merchant's unique reference number
Status	a..30	M	OK, PENDING or AUTHORIZE_REQUEST in the cas of URLSuccess and FAILED in the case of URLFailure
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
Plain	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID
Custom	ans..1024	O	The merchant can submit several values separated by which are returned unencrypted 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 ChinaPay

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
MerchantID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment to be credited
TransID	an..32	M	TransactionID which should be unique for each payment
Amount	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).
Currency	a..3	M	Currency, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
RefNr	an..32	O	Reference number of merchant (e.g. invoice number)

Parameters for credits with ChinaPay

The following table describes the Paygate response parameters:

Parameter	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.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	an..32	M	Merchant transaction number, which must be unique
Status	a..50	M	OK or FAILED If a pending status is applied, a message is sent back after a completed credit to the URLNotify transferred with the authorization.
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
RefNr	an..32	O	Reference number of merchant (e.g. invoice number)

Response parameters for credits with ChinaPay