



Asiapay

Integration Guide

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Document history

Date	Name	Change
04.10.2016	Peter Posse	First version

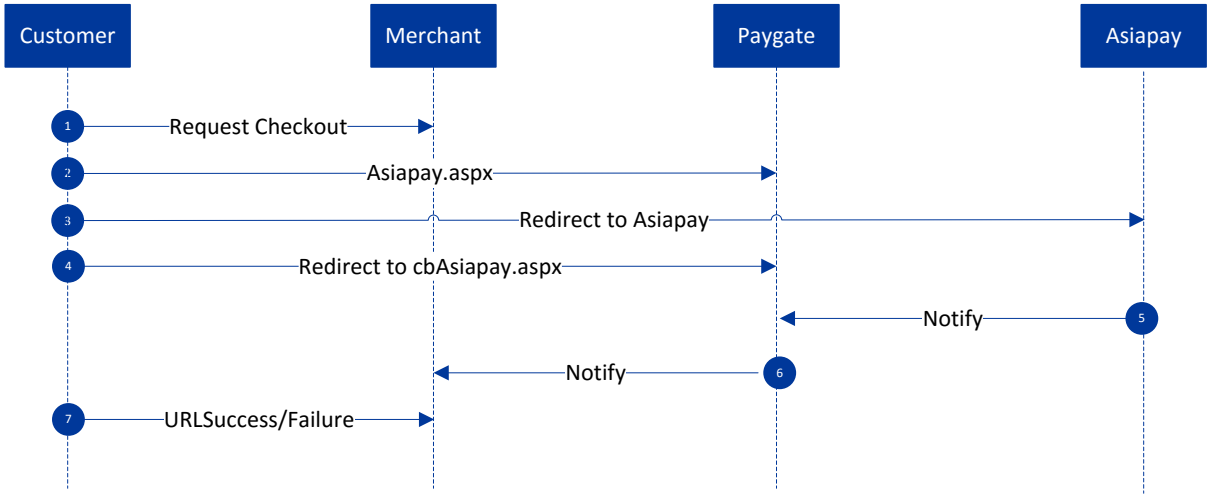
ABOUT ASIAPAY

General information about Asiapay



Further information can be found at the webpage of Asiapay (<http://www.asiapay.com/>).

Process flow chart



Asiapay 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 Asiapay via Paygate form interface

Enter the following URL to process an Asiapay payment via the Paygate form:

<https://www.computop-paygate.com/asiapay.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	ans..64	M	Merchant transaction number, which must be unique
RefNr	ns..30	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
PayType	a..32	M	Payment method. Details see below in table PayType
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.
Language	a1	M	Language: E – English C – Traditional Chinese X – simplified Chinese J – Japanese T – Thai F – French G – German R – Russian S – Spanish V – Vietnamese
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.
InstallmentNumber	n..2	O	Number of monthly instalments
InstallmentData	bool	O	Mandatory check for instalment payments (true/false)

TicketNr	ans..13	O	Number of flight ticket
QuoteMode	a3	O	Multi-Currency Processing Service-Mode (MPS): "NIL" or not specified – deactivate MPS (merchant does not use MPS) "SCP" – activate MPS with 'simple currency conversion' "SCP" – activate MPS with 'dynamic currency conversion' "MCP" – activate MPS with 'multi currency pricetags'
QuoteID	an..12	O	unique rate ID
Quote	n..14	O	Exchange rate between merchant's base currency and the foreign currency
LocalCurrency	a3	O	Code of foreign currency, three digits DIN / ISO 4217
LocalAmount	n..12	O	Calculation amount in foreign currency
Promotion	ans..128	O	Activate promotion (With this the merchant can use promotion campaigns of credit cards within the online shop): Promotion-Code;PromotionRuleCode;PromotionOriginalAmt
CountryCode	a..3	O	Country code of the origin address according to ISO-3166-1, alphanumeric 2 or 3 characters, for example: CHA – China HKG – Hong Kong USA – United States of America
sdCountryCode	a..3	O	Country code of the destination country according to ISO-3166-1, alphanumeric 2 or 3 characters, for example: CHA – China HKG – Hong Kong USA – United States of America
Print	bool	O	Deactivate print function on page with payment result (true/false)
Retry	bool	O	Deactivate repeat function for rejected payments (true/false)
Timeout	n2	OC	For OCTOPUS payment only: Timeout for the payment in seconds from 180 to 7200
HideAmount	bool	O	Flag to control the display of the amount (true/false)
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 Asiapay

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 assigned by Paygate for all single transactions (capture, credit), which are made for one payment.
TransID	ans..64	M	Merchant's transaction number
RefNr	ans..30	O	Merchant's unique reference number
Status	a..30	M	OK or AUTHORIZED (URLSuccess) as well as FAILED (URLFailure)
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!

Code	n8	M	Error code according to Paygate Response Codes 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 Asiapay

The following table provides an overview of the possible values for PayType:

PayType	Description of payment methode
ALL	All available payment methods
CC	Credit card
VISA	Visa
Master	MasterCard
JCB	JCB
AMEX	American Express
Diners	Diners Club
PPS	PayDollar PPS
PAYPAL	PayPal by PayDollar Payment
CHINAPAY	China UnionPay by PayDollar Payment
ALIPAY	ALIPAY by PayDollar Payment
TENPAY	TENPAY by PayDollar Payment
99BILL	99BILL by PayDollar Payment
MEPS	MEPS by PayDollar Payment
SCB	SCB (SCB Easy) by PayDollar Payment
BPM	Bill Payment by PayDollar Payment
KTB	Krung thai Bank (KTB Online) by PayDollar Payment
UOB	United Oversea bank by PayDollar Payment
KRUNGSRIONLINE	Bank of Ayudhya (KRUNGSRIONLINE) by PayDollar Payment
TMB	TMB Bank by PayDollar Payment
IBANKING	Bangkok Bank iBanking by PayDollar Payment
UPOP	UPOP by PayDollar Payment
M2U	M2U by PayDollar Payment
CIMBCLICK	CIMBCLICK by PayDollar Payment
OCTOPUS	OCTOPUS by PayDollar Payment
WECHAT	WECHAT by PayDollar Payment
ONEPAY	ONEPAY by PayDollar Payment
VCO	VISA Checkout



MP	MasterPass
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Values for PayType in case of Asiapay

Capture

Captures 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, 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 captured
TransID	ans..64	MC	Merchant's TransactionID which has to be unique for each payment
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
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
RefNr	ns..30	O	Merchant's unique reference number

Parameters for capture of a Asiapay payment

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	ans..64	M	Merchant's transaction number
Status	a..50	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes 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	ns..30	M	Merchant's unique reference number

Response parameters for capturing an Asiapay payment

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	ans..64	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	ns..30	O	Merchant's unique reference number

Parameters for credits with Asiapay

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	ans..64	M	Merchant transaction number, which must be unique
Status	a..50	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes 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	ns..30	O	Merchant's unique reference number

Response parameters for credits with Asiapay