Swish

About Swish

General information about Swish

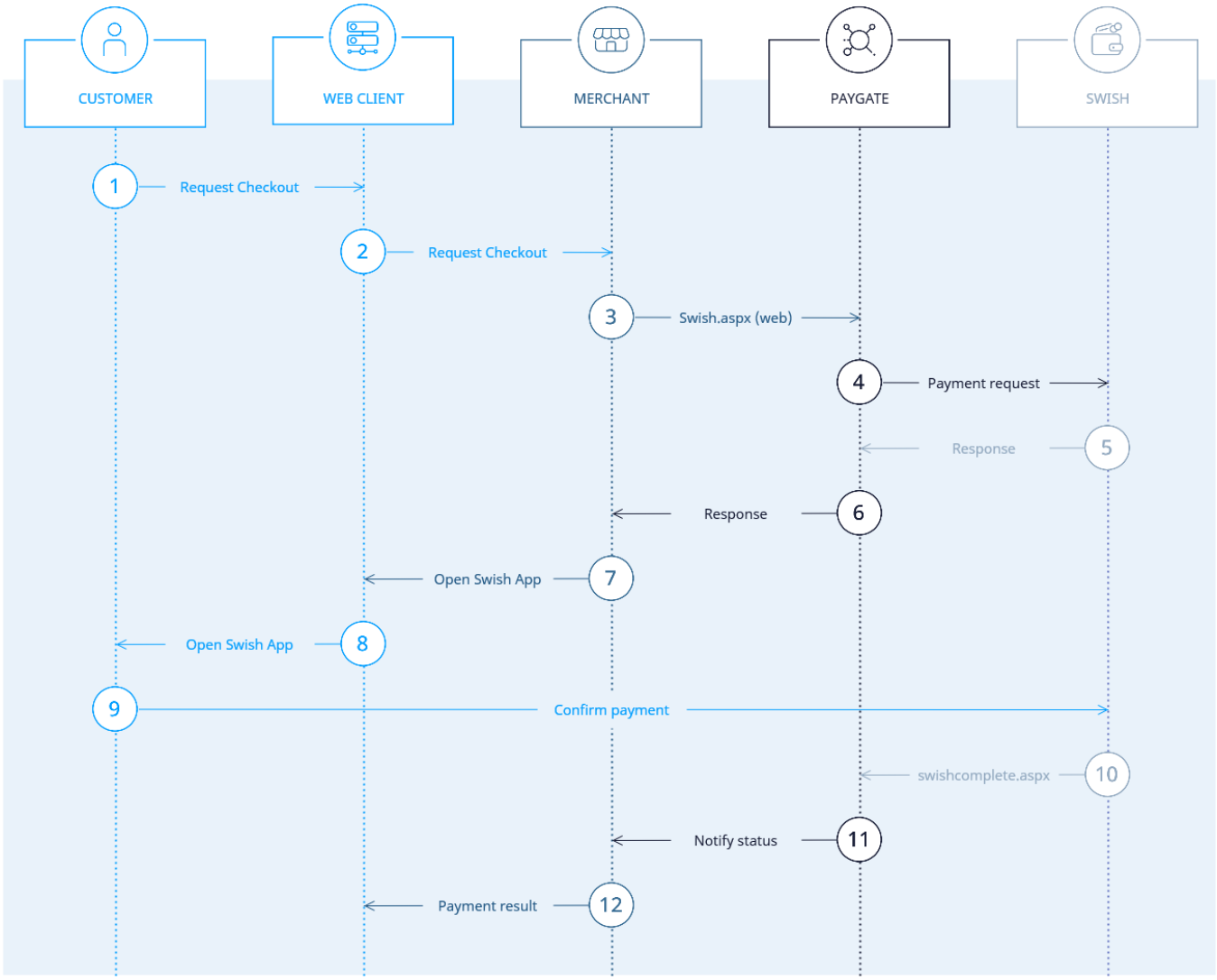
Logo	
Info	The swedish payment method Swish is one of the most popular payment methods in Sweden. More than half of the population uses the app on their cell phones. Originally Swish was a joint venture project of the most popular swedish banks as a pure P2P-payment method. Since 2017 it is also available for E-Commerce and POS. If you want to pay, you can either do it via scan of a QR-code or the submission of your mobile or swish number.
Type	Payments by eWallet

Further information can be found on the webpage of Swish (https://www.getswish.se/).

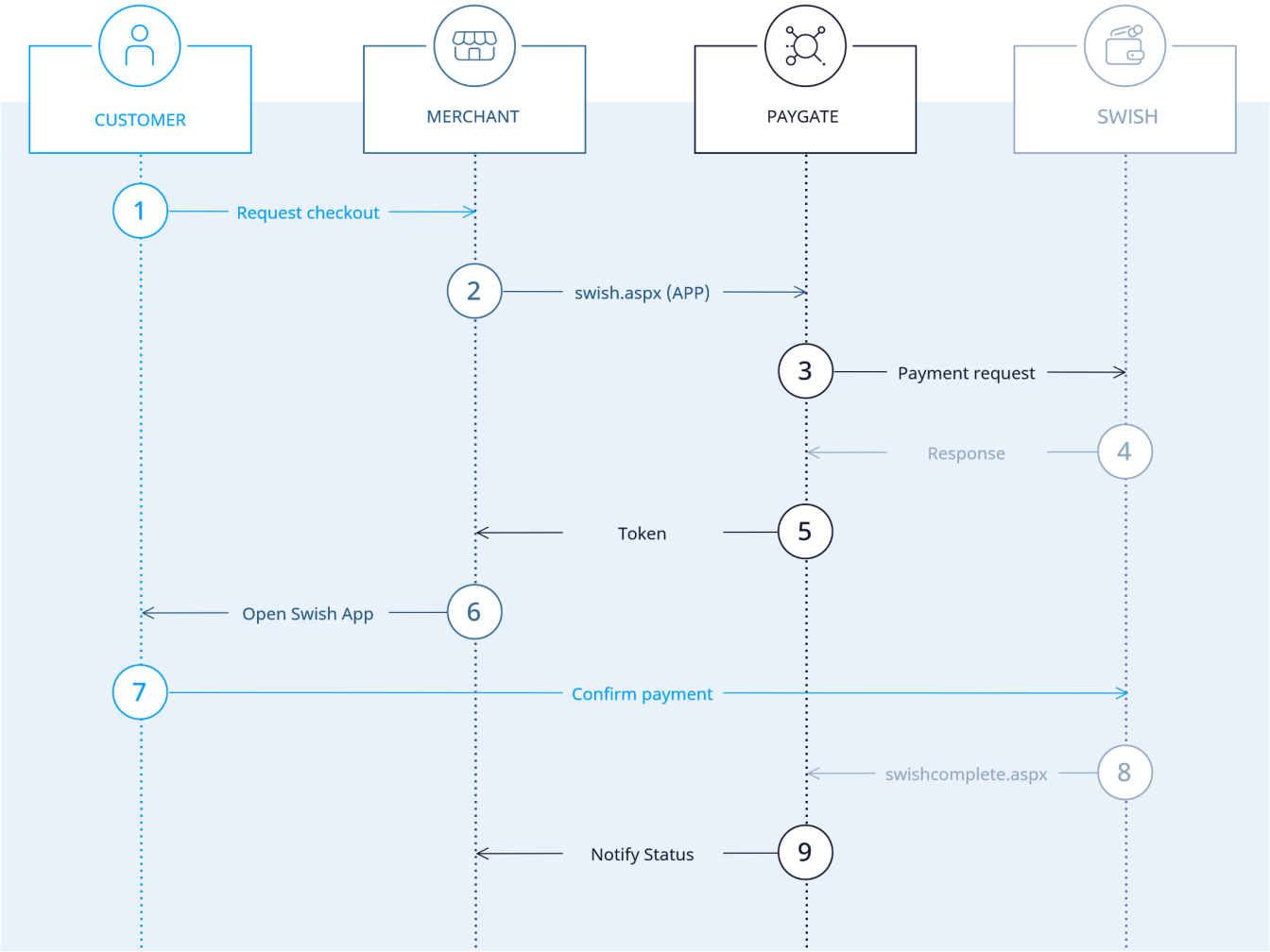
Process flow charts

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CUSTOMER
WEB CLIENT
MERCHANT
PAYGATE
SWISH
1
Request Checkout
2
Request Checkout
3
Swish.aspx (web)
4
Payment request
Response
5
Response
6
Open Swish App
7
Open Swish App
8
9
Confirm payment
swishcomplete.aspx
10
Notify status
11
Payment result
12

Process flow E-Commerce checkout with Swish



Process flow M-Commerce checkout with Swish

Configuration for Swish

Certificate Management

Each merchant needs a certificate for each MID. For the Certificate Management, you need to download the following document: https://www.getswish.se/content/uploads/2015/06/Guide-Certifikatsadministration_160118.pdf

You need to order a new Certificate, as described in section 2.6 of the downloaded document. The Certificate Signing Request (CSR) will be provided by Computop.

Overview of the Certificate Management process:

1. Once you have access to Swish Certificate Management Tool, contact Computop at Computop Helpdesk with request for Swish CSR
2. Computop creates CSR and sends it to you
3. You will need to upload the CSR received from Computop in Swish Certificate Management Tool
4. You will generate and download the Certificate, as described in section 2.6 of the downloaded document. The format of Certificate can be either PEM or PKCS#7.
5. You will send back to Computop the Certificate as response to email with CSR received from Computop

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
dttm	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.

Call of interface for Swish

In order to process a Swish payment via the Paygate form, please use the following URL:

https://www.computop-paygate.com/swish.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
RefNr	ans..35	O	Unique reference number
Amount	n..10	M	Amount in the smallest currency unit (e.g. SEK Öre) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217. Only SEK permitted.
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)
OrderDesc	ans..128	M	Description of purchased goods, unit prices etc. Permitted characters a-o, A-Ö, the digits 0-9 and the special characters :;.,?!()".
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.
Channel	a3	M	Channel for processing the payment Possible values: Web or App Web = eCommerce App = mCommerce
MobileNr	n..20	C	Customer's mobile telephone number. (mandatory if Channel = Web) The submitted mobile telephone number of that person that makes the payment. Only digits are allowed and it must have at least 8 digits and maximal 15 digits. In order to get found by Swish, it also must comply with the following format: Country code + Mobile telephone number (without leading Zero). e.g.: 46712345678
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.

Parameters for payments with Swish

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-sentive

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

RefNr	ans..35	O	Unique reference number
Status	a..50	M	AUTHORIZE_REQUEST 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 (A4 Error codes)
CodeExt	ans..10	C	Error code from Swish. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk.
ErrorText	ans..256	C	Detailed Swish error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk.
Transaction ID	ans..50	O	Transaction ID from Swish
TokenExt	an..32	C	In order to open the Swish app TokenExt together with the Custom URL Scheme are necessary. TokenExt ist returned only if Channel=App. e.g..: swish://paymentrequest?token=f34DS34lfd0d03fdDselkfd3ffk21
URLConfirm	ans..256	O	Location URL returned by Swish. e.g.: https://mss.swicpc.bankgirot.se/swish-cpcapi/api/v1/paymentrequests/A44C22F42E3C4D498C4D8B1D4A6CE743
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.

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
RefNr	ans..35	O	Unique reference number	Eindeutige Referenznummer
Status	a..50	M	AUTHORIZE_REQUEST or FAILED	AUTHORIZE_REQUEST oder FAILED

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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
CodeExt	ans..10	C	Error code from Swish. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk.	Fehlercode von Swish. Hinweis: Wird nur bei Status=FAILED zurückgegeben. Nutzung nur in Abstimmung mit dem Computop Helpdesk möglich.

ErrorText	ans..256	C	Detailed Swish error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk.	Detaillierte Swish-Fehlermeldung. Hinweis: Wird nur bei Status=FAILED zurückgegeben. Nutzung nur in Abstimmung mit dem Computop Helpdesk möglich.
TransactionID	ans..50	O	Transaction ID from Swish	Transaktions-ID von Swish
TokenExt	an..32	C	In order to open the Swish app TokenExt together with the Custom URL Scheme are necessary. TokenExt ist returned only if Channel=App. e.g..: swish://paymentrequest?token=f34DS34lfd0d03fdDselkfd3ffk21	Der TokenExt wird zum Öffnen der Swish-App zusammen mit dem Custom URL Scheme benötigt. Der TokenExt wird nur zurückgegeben, wenn der Channel=App ist. z.B..: swish://paymentrequest?token=f34DS34lfd0d03fdDselkfd3ffk21
URLConfirm	ans..256	O	Location URL returned by Swish. e.g.: https://mss.swicpc.bankgirot.se/swish-cpcapi/api/v1/paymentrequests/A44C22F42E3C4D498C4D8B1D4A6CE743	Von Swish zurückgegebene Location URL. z.B.: https://mss.swicpc.bankgirot.se/swish-cpcapi/api/v1/paymentrequests/A44C22F42E3C4D498C4D8B1D4A6CE743

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.

Result parameters for Swish payments

The following table gives the results parameters which the Paygate transfers to your **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent Blowfish encrypted to your system:

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
RefNr	ans..35	O	Unique reference number
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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	ans..10	C	Error code from Swish. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk.
ErrorText	ans..256	C	Detailed Swish error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk.
TransactionID	ans..50	O	Transaction ID from Swish
TokenExt	an..32	C	In order to open the Swish app TokenExt together with the Custom URL Scheme are necessary. TokenExt ist returned only if Channel=App. e.g..: swish://paymentrequest?token=f34DS34lfd0d03fdDselkfd3ffk21
URLConfirm	ans..256	O	Location URL returned by Swish. e.g.: https://mss.swicpc.bankgirot.se/swish-cpcapi/api/v1/paymentrequests/A44C22F42E3C4D498C4D8B1D4A6CE743
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.

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
RefNr	ans..35	O	Unique reference number	Eindeutige Referenznummer

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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
CodeExt	ans..10	C	Error code from Swish. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk.	Fehlercode von Swish. Hinweis: Wird nur bei Status=FAILED zurückgegeben. Nutzung nur in Abstimmung mit dem Computop Helpdesk möglich.
ErrorText	ans..256	C	Detailed Swish error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk.	Detaillierte Swish-Fehlermeldung. Hinweis: Wird nur bei Status=FAILED zurückgegeben. Nutzung nur in Abstimmung mit dem Computop Helpdesk möglich.
TransactionID	ans..50	O	Transaction ID from Swish	Transaktions-ID von Swish
TokenExt	an..32	C	In order to open the Swish app TokenExt together with the Custom URL Scheme are necessary. TokenExt ist returned only if Channel=App. e.g..: swish://paymentrequest?token=f34DS34lfd0d03fdDselkfd3ffk21	Der TokenExt wird zum Öffnen der Swish-App zusammen mit dem Custom URL Scheme benötigt. Der TokenExt wird nur zurückgegeben, wenn der Channel=App ist. z.B..: swish://paymentrequest?token=f34DS34lfd0d03fdDselkfd3ffk21
URLConfirm	ans..256	O	Location URL returned by Swish. e.g.: https://mss.swicpc.bankgirot.se/swish-cpcapi/api/v1/paymentrequests/A44C22F42E3C4D498C4D8B1D4A6CE743	Von Swish zurückgegebene Location URL. z.B.: https://mss.swicpc.bankgirot.se/swish-cpcapi/api/v1/paymentrequests/A44C22F42E3C4D498C4D8B1D4A6CE743

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.

Result parameters for URLNotify

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
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 to be credited
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
RefNr	ans..35	O	Unique reference number
Amount	n..10	M	Amount in the smallest currency unit (e.g. SEK Öre Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency code, three digits DIN / ISO 4217. Only SEK permissible.
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.

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment to be credited	Vom Paygate vergebene ID für die gutzuschreibende Zahlung

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
RefNr	ans..35	O	Unique reference number	Eindeutige Referenznummer
Amount	n..10	M	Amount in the smallest currency unit (e.g. SEK Öre Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. SEK Öre). Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.
Currency	a3	M	Currency code, three digits DIN / ISO 4217. Only SEK permissible.	Währung, drei Zeichen DIN / ISO 4217. Nur SEK erlaubt.

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.

Parameters for credits of Swish payments

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-sentive

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
RefNr	ans..35	O	Unique reference number
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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)

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
RefNr	ans..35	O	Unique reference number	Eindeutige Referenznummer

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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Result parameters for credits of Swish payments

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 alle 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 credits with Swish, which can be found within the response file about the payment status.

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

Action	Version	Description
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)

Description of the possible batch versions

The structure for an Swish payment in a Batch file to be submitted is as follows:

```
HEAD,<MerchantID>,<Date>,<Version>
Swish,Credit,<Amount>,<Currency>,<TransID>,(<RefNr>,)<PayID>
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
```

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

Key	Format	CND	Description
Type	a..11	M	HEAD for Header, FOOT for Footer, Swish for Swish
Action	a..20	M	The parameter Action defines the type of transaction: Credit
Amount	n..10	M	Amount in the smallest currency unit (e.g. SEK Öre) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency code, three digits DIN / ISO 4217. Only SEK permissible.
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
RefNr	ans..35	O	Unique reference number
PayID	an32	M	ID assigned by Paygate for this transaction

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
RefNr	ans..35	O	Unique reference number	Eindeutige Referenznummer

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for this transaction	Vom Paygate vergebene ID für diese Transaktion

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>
Swish,Credit,<Amount>,<Currency>,<TransID>,(<RefNr>,)<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: Credit
PayID	an32	M	ID assigned by Paygate for this transaction
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for this transaction	Vom Paygate vergebene ID für diese Transaktion

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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Description of result parameters within the record for Batch files