

Direct debit

About direct debit

Cookie-/session - handling

General information about direct debit

Computop Paygate can combine electronic direct debits (ELV) in Germany with a block list check which offers high security at low cost: Paygate checks if the Customer's account number is black listed by major retailers. Additionally you can prevent fraud by setting sales limits per day, week or month which an account connection may not exceed.

Since there are substantially more accounts than credit cards, many Internet purchases are paid by direct debit. The direct debit process is unsafe for merchants without a block list check: in the case of SEPA direct debits there is no authorisation because it is not possible to carry out a credit rating on the account of the customer. Therefore there are frequently returned debit notes in the case of ELV due to lack of funds in accounts.

The block list check links the benefits of the direct debit with Paygate the security of a block list check and individual sales limits.

Transaction procedure of a direct debit payment on the Internet

In order to pay with a direct debit, the customer selects the Direct debit payment method at the Internet checkout and enters their account details. This Internet page is TLS encrypted to protect the account data during the transmission against tapping and manipulation. After the input Paygate checks if the account is blocked and if the sales limit for this account has been reached. After successful verification, Paygate draws direct debits from the customer's bank.

SEPA direct debit

With SEPA uniform rules for cashless payment transactions are effective since 1st February 2014. Therefore IBAN (International Bank Account Number) and BIC (Bank Identifier Code) are used as account data. With Paygate direct debits can be managed compliant to SEPA.

Time frames for chargebacks

Depending on the **SEPA Mandate** form there are different time frames during which the customer can trigger a chargeback.

- **Authorised** SEPA Mandates (*at the POS with PIN/signature*): maximum time frame during which the end-customer can trigger a return debit/chargeback is **8 weeks from the payment date**.
- **Unauthorised** SEPA Mandates (eCommerce payments): maximum time frame during which the end-customer can trigger a return debit/chargeback is **13 months from the payment date**.

Logo	
Info	The Paygate enables you to handle the direct debit payment method popular with customers – and is fully compatible with SEPA. Optionally with black list check and payment guarantee.
Type	Payments by Direct Debit

Paygate interface

Definitions

Data formats

Format	Description
a	alphabetical
as	alphabetical with special characters

- About direct debit
 - General information about direct debit
- Paygate interface
 - Definitions
 - Data formats
 - Abbreviations
 - Paygate interface: via form
 - Chart of process flow via form interface
 - Corporate PayPage
 - File names
 - Field names of the form
 - Hidden Fields
 - Language selection
 - XML structure
 - JavaScript
 - Link to Computop logo
 - Programming and testing the form
 - General parameters of the interface
 - Direct connection
 - EVO Payments
 - InterCard
 - PPRO
 - Paygate interface: via Server-to-Server
 - Chart of process flow via Server-to-Server
 - Call of interface: general parameters
 - Direct connection
 - EVO Payments
 - InterCard
 - PPRO
 - Capture / Credit / Reversal
 - Capture
 - Credit with reference
 - Credit without reference
 - Credit without reference for InterCard
 - Reversal
 - Batch processing via the interface
 - Batch calls and answers

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)

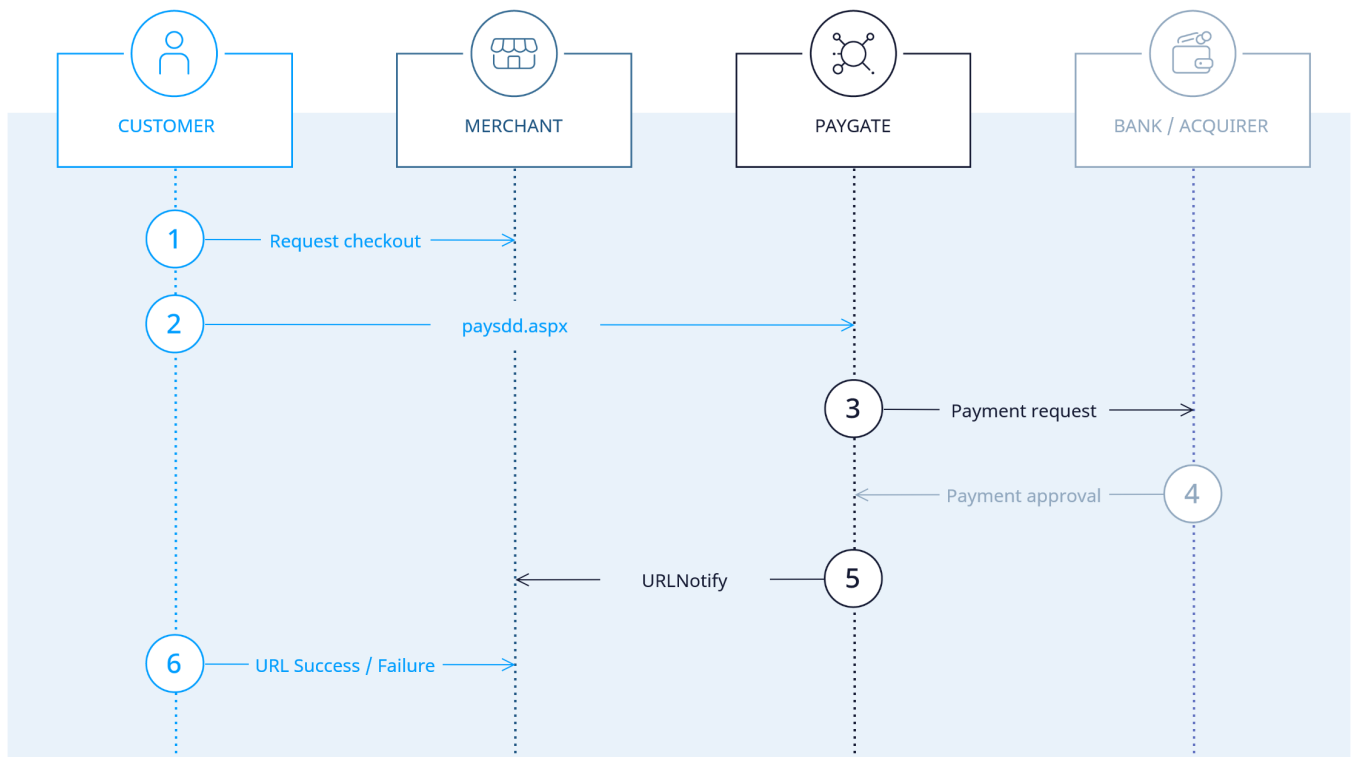
Abbreviations

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.

Paygate interface: via form

Chart of process flow via form interface



Process flow of direct debit payment via form interface

Corporate PayPage

Paygate forms are framed as standard in white and grey. Merchants can customise the layout of the forms with the help of layout parameters. The simplest way to change the layout is to set the parameters for the background colour (BGColor), background image (BGImage) and the font (FFace). You can use XSL-templates to change the layout further:

In the case of direct debit payments you can change the parameter Template to create an individual layout for your PaySDD-form which exactly matches your shop layout. To this end your graphic designer can design an HTML-template in the shop-design based on XSLT (Extensible Stylesheet Language Transformation). [Computop Helpdesk](#) copies this XSLT-template to our Paygate Server. If you enter the name of your XSLT-file in the Template parameter, the Paygate form will appear in your layout.

For general information about XSLT see www.w3.org.

The subsequent conventions apply for the use of the Corporate Pay Page with XSLT:

File names

A XSL file designed by you defines your individual layout. The associated XML file contains the texts that are to be displayed on the form. Hence, multilingualism is easy. Always use your MerchantID in the names of the files.

XSL template: **MerchantID_PaySDD.xsl**
 XML text file: **MerchantID_PaySDD.xml**
 Sub-folder for images: **Templates/imagesMerchantID**

In order not to receive safety notices, please ensure that external image sources are retrieved via SSL.

In order to call the individual layout, use the 'template' parameter with your MerchantID and attach it unencrypted to the call of the Computop payment page, for example: <https://www.computop-paygate.com/paysdd.aspx?MerchantID=IhreMID&Len=123&Data=ABCFED...ACEF&template=IhreMerchantID>

Field names of the form

When implementing the text field for the IBAN, use the following values for the parameters 'name' and 'id':

Account holder: „AccOwner“
IBAN: „IBAN“
BIC: „BIC“
Bank (optional): „AccBank“

A text field for the input of the IBAN is then implemented as follows:

```
<input type="text" name="IBAN" id="IBAN" value=""></input>
```

Hidden Fields

The following hidden fields must be implemented so that the values can be passed on when sending the form:

MerchantID: „MerchantID“
Request length: „Len“
Request data: „Data“
Template: „Template“
Language: „Language“

Language selection

The language selection in form PaySDD.aspx is automatically based on the parameter **Language**. Other language areas are filtered out. If you wish to access the field of another language area e.g. with JavaScript, you can do so via the following path: **template/language/@name**.

XML structure

The 'language' parameter controls which section of the XML text file is read out. German 'de' is always used as standard.

The XML file should have the following basic structure:

```
<?xml version="1.0" encoding="UTF-16"?>

</languages>

<language name="de">

</language>

<language name="en">

</language>

</languages>
```

With **<xsl:variable name="" select="template/language/@name"/>** you can directly address an XML language section from the XSL file.

For an overview of which parameters are rendered by the PaySDD, please examine the following structure (XSL file is rendered against the following XML string):

```

Dim strXML As String = "<?xml version='1.0' encoding='UTF-16'?>" & _
    "<template pay='elv'" & _
        "<merchantID>..."</merchantID>" & _
        "<PayID>..."</PayID>" & _
        "<len>..."</len>" & _
        "<data>..."</data>" & _
        "<language>..."</language>" & _
        "<Border>..."</Border>" & _
        "<Background>..."</Background>" & _
        "<BGImage>..."</BGImage>" & _
        "<BGColor>..."</BGColor>" & _
        "<FFace>..."</FFace>" & _
        "<FSize>..."</FSize>" & _
        "<FColor>..."</FColor>" & _
        "<twidht>..."</twidht>" & _
        "<theight>..."</theight>" & _
    strCustomFieldsXML & _
    "<URLBack>..."</URLBack>" & _
    "<AccOwner>..."</AccOwner>" & _
    "<IBAN>..."</IBAN>" & _
    "<PBAN>..."</PBAN>" & _
    "<BIC>..."</BIC>" & _
    "<Bank>..."</Bank>" & _
    "<template>..."</template>" & _
    "</template>"

```

Since merchants use its own layout for the form, you do not require the layout parameter. However, it is possible after prior consultation with Computop to use the parameters for the transfer, e.g. the SessionID.

JavaScript

If JavaScript functions are desired, you must implement them in your template.

```

<script id="clientEventHandlersJS" language="JavaScript">
if (document.SDDForm.IBAN.value.length > 34)
{
alert(„<xsl:value-of select="/template/language/strJavaScript1"/>“);
    document.SDDForm.IBAN.focus();
}
...
</script>

```

Please do not use any external link to your JavaScript.

Link to Computop logo

Computop is obliged to provide the account holder information on which server he is on. Please implement a Computop logo like it is implemented on the standard form or display a small imprint link. You can download the Computop logo from www.computop.de/downloads.

Both items of information must refer to the Computop page **impressum.aspx**. This expects the 'Data' parameter, which is appended to the URL as in the following example.

```
impressum.aspx?data=<xsl:value-of select="/template/language/@name"/>|<xsl:value-of select="template/merchantID"/>
```

Programming and testing the form

First design a HTML page with the layout for your payment page and initially save it for testing with the file extension .htm or .html. Open this file in the browser. Next, save this as an xsl file.

```
<?xml version='1.0' encoding="UTF-16"?>

<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

<xsl:output method="html" encoding="UTF-8"/>


<xsl:template match="/">

<html>

  <head>

    <title>PaySDD Template</title>

    <script>Your JavaScript</script>

  </head>

  <body>

    <form action="https://www.computop-paygate.com/payinterim.aspx" methode="POST">
    Your form with hidden fields and xsl-tags

    </form>

  </body>

</html>

</xsl:template>
```

In order to read the texts from the XML file, first of all create your tags in the desired language sections with the texts:

```
<language name="de">

  <strIBAN>IBAN</strIBAN>

</language>
```

Subsequently, replace the text in the HTML by a reference to the respective section in the XML file:

```
<xsl:value-of select="/template/language/strIBAN"/>
```

In order to test your template, we request that you integrate the following lines in your XML file **only for the test** (before sending it to Computop) and afterwards to call up the XML file in a browser. If no error is displayed you can send your template and the image folder in a Zip file to [Computop Helpdesk](#) with a request to check and install it.

```

<?xml version="1.0" encoding="UTF-16"?>

<?xml-stylesheet type="text/xsl" href="templatename.xml"?>

<template>

    <languages>please omit for your layout tests

        <language name="de">

        </language>

        <language name="en">

        </language>

    </languages>please omit for your layout tests

</template>

```

In order to get an overview of the versions, please include the date and version number in the name of your Zip file.

General parameters of the interface

The interface of the Paygate form is consistently `paysdd.aspx` for all connections. In order to make a direct debit payment via Paygate form, please use the following URL:

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

This section explains the parameters which are the same for each connection. These values are always required, along with the special parameters explained in the following sections for each individual connection. The second table explains all response parameters which are also the same for all direct debit connections.

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	REST	Format	CND	Description
MerchantID	BasicAuth . Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
TransID	"transactionId": "..."	ans..64	M	TransactionID which should be unique for each payment When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
Amount	"amount": { "value": "..." }	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	"amount": { "currency": "..."	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)

ReqID	"requestId": "..."	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.								
URLSuccess	"urls": {"success": "..."}"	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. 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. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.								
URLFailure	"urls": {"failure": "..."}"	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. 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.								
Response	---	a7	O	Status response sent by Paygate to URLSuccess and URLFailure , should be encrypted. For this purpose, transmit Response=encrypt parameter.								
URLNotify	"urls": {"notify": "..."}"	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.								
				i In case of a direct debit payment and in the event of incorrect entries by the customer, one or more retries can be made directly on the Paygate form. The peculiarity here is that per payment attempt the shop receives a URLNotify call directly after execution. For that reason it is possible that the shop can receive e.g. 3 Notifies with an identical PayID and thereby different statuses can occur which must be processed accordingly.								
UserData	"metadata[userData]": "..."	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.								
Capture	"capture": {"auto": "Yes"}" "capture": {"manual": "Yes"}" "capture": "..."	an..6	OM	Determines the type and time of capture. <table><tr><th>Capture Mode</th><th>Description</th></tr><tr><td>AUTO</td><td>Capturing immediately after authorisation (default value).</td></tr><tr><td>MANUAL</td><td>Capturing made by the merchant. Capture is normally initiated at time of delivery.</td></tr><tr><td><Number></td><td>Delay in hours until the capture (whole number; 1 to 696).</td></tr></table>	Capture Mode	Description	AUTO	Capturing immediately after authorisation (default value).	MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.	<Number>	Delay in hours until the capture (whole number; 1 to 696).
Capture Mode	Description											
AUTO	Capturing immediately after authorisation (default value).											
MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.											
<Number>	Delay in hours until the capture (whole number; 1 to 696).											
expirationTime	"expirationTime": "..."	ans..19	O	timestamp for the end time of the transaction processing, specified in UTC. Format: YYYY-MM-ddTHH:mm:ss								
Plain	"metadata[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	"metad ta": "..."	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. Please find a samples here: Custom
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Key	REST	Format	CND	Description	Beschreibung
TransID	"transact ionId": "..."	ans..64	M	TransactionID which should be unique for each payment When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.	TransaktionsID, die für jede Zahlung eindeutig sein muss Bei Nutzung von Automandat (Befüllen von MandateID mit TransID oder RefNr) gilt der erlaubte Zeichensatz des Parameters MandateID.

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk, if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
Currency	"amount": { "currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	REST	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	REST	Format	CND	Description	Beschreibung
ReqID	"requestId": "..."	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.

Key	REST	Format	CND	Description	Beschreibung
URLSuccess	"urls": { "success": "..."}"	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. 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. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.	Vollständige URL, die das Paygate aufruft, wenn die Zahlung erfolgreich war. Die URL darf nur über Port 443 aufgerufen werden. Diese URL darf keine Parameter enthalten: Um Parameter durchzureichen nutzen Sie stattdessen den Parameter UserData. Allgemeine Hinweise: - Wir empfehlen, den Parameter "response=encrypt" zu verwenden, um eine verschlüsselte Antwort von Paygate zu erhalten - Betrüger könnten das verschlüsselte DATA-Element kopieren, welches an URLFailure gesendet wurde, und betrügerisch dasselbe DATA an URLSuccess senden. Überprüfen Sie daher unbedingt den "code"-Wert des DATA-Elements. Nur eine Antwort mit "code=00000000" sollte als erfolgreich angesehen werden.

Key	REST	Format	CND	Description	Beschreibung
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URLFailure	"urls": {"failure": "..."}"	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. 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.	Vollständige URL, die das Paygate aufruft, wenn die Zahlung gescheitert ist. Die URL darf nur über Port 443 aufgerufen werden. Diese URL darf keine Parameter enthalten: Um Parameter durchzureichen nutzen Sie stattdessen den Parameter UserData. Allgemeine Hinweise: - Wir empfehlen, den Parameter "response=encrypt" zu verwenden, um eine verschlüsselte Antwort von Paygate zu erhalten - Betrüger könnten das verschlüsselte DATA-Element kopieren, welches an URLFailure gesendet wurde, und betrügerisch dasselbe DATA an URLSuccess/URLNotify senden. Überprüfen Sie daher unbedingt den "code"-Wert des DATA-Elements. Nur eine Antwort mit "code=00000000" sollte als erfolgreich angesehen werden.
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Key	REST	Format	CND	Description	Beschreibung
Response	---	a7	O	Status response sent by Paygate to URLSuccess and URLFailure , should be encrypted. For this purpose, transmit Response=encrypt parameter.	Die Status-Rückmeldung, die das Paygate an URLSuccess und URLFailure sendet, sollte verschlüsselt werden. Dazu übergeben Sie den Parameter Response=encrypt .

Key	REST	Format	CND	Description	Beschreibung
URLNotify	"urls": {"notify": "..."}"	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.	Vollständige URL, die das Paygate aufruft, um den Shop zu benachrichtigen. Die URL darf nur über Port 443 aufgerufen werden. Sie darf keine Parameter enthalten: Nutzen Sie stattdessen den Parameter UserData. Allgemeine Hinweise: - Wir empfehlen, den Parameter "response=encrypt" zu verwenden, um eine verschlüsselte Antwort von Paygate zu erhalten - Betrüger könnten das verschlüsselte DATA-Element kopieren, welches an URLFailure gesendet wurde, und betrügerisch dasselbe DATA an URLSuccess/URLNotify senden. Überprüfen Sie daher unbedingt den "code"-Wert des DATA-Elements. Nur eine Antwort mit "code=00000000" sollte als erfolgreich angesehen werden.

Key	REST	Format	CND	Description	Beschreibung
				i In case of a direct debit payment and in the event of incorrect entries by the customer, one or more retries can be made directly on the Paygate form. The peculiarity here is that per payment attempt the shop receives a URLNotify call directly after execution. For that reason it is possible that the shop can receive e.g. 3 Notifies with an identical PayID and thereby different statuses can occur which must be processed accordingly.	i Im Fall einer Lastschrift-Zahlung und bei fehlerhaften Eingaben des Kunden können auf dem Paygate-Formular direkt ein bzw. mehrere Wiederholversuche stattfinden. Die Besonderheit ist hier, dass der Shop pro Zahlungsversuch direkt nach der Ausführung einen URLNotify-Aufruf erhält. Somit kann es sein, dass der Shop z.B. 3 Notifies mit identischer PayID erhält und dabei können unterschiedliche Status auftreten, welche entsprechend verarbeitet werden müssen.

Key	REST	Format	CND	Description	Beschreibung
UserData	"metadata [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.

Key	REST	Format	CND	Description	Beschreibung		
Capture	"capture": {"auto": "Yes"} "capture": {"manual": "Yes"} "capture": ...	an..6	OM	Determines the type and time of capture.	Bestimmt Art und Zeitpunkt der Buchung (engl. Capture).		
				Capture Mode	Description	Buchungsart	Beschreibung
				AUTO	Capturing immediately after authorisation (default value).	AUTO	Buchung sofort nach Autorisierung (Standardwert).
				MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.	MANUAL	Buchung erfolgt durch den Händler - in der Regel die Buchung zum Zeitpunkt der Warenauslieferung bzw. Leistungserbringung.
				<Number>	Delay in hours until the capture (whole number; 1 to 696).	<Zahl>	Verzögerung in Stunden bis zur Buchung (ganze Zahl; 1 bis 696).

Key	REST	Format	CND	Description	Beschreibung
expirationTime	"expirationTime": "..."	ans..19	O	timestamp for the end time of the transaction processing, specified in UTC. Format: YYYY-MM-ddTHH:mm:ss	Zeitstempel für den Endzeitpunkt der Transaktionsverarbeitung, Angabe in UTC. Format: YYYY-MM-ddTHH:mm:ss

Key	REST	Format	CND	Description	Beschreibung
Plain	"metadata[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.	Ein einzelner Wert, der von Ihnen gesetzt werden kann, um Informationen wieder unverschlüsselt in der Antwort bzw. im Notify zurückzugeben, z.B. die MID. Da der "Plain"-Parameter Teil des verschlüsselten "Data" im Computop Paygate ist, ist dieser vor Manipulationen geschützt.

Key	REST	Format	CND	Description	Beschreibung
Custom	"metadata": "..."	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 "I" 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. Please find a samples here: Custom	Der "Custom"-Parameter wird vor der Verschlüsselung an den Aufruf angehängt und ist Teil des verschlüsselten "Data" im Computop Paygate Aufruf. Dadurch ist der Wert gegen Manipulation geschützt. Der Custom-Wert wird dann in Klartext an die Computop Paygate-Antwort angehängt und dabei wird "I" durch "&" ersetzt. Dadurch können Sie einen Custom-Wert übergeben und bekommen mehrere Key-Value-Paare zu Ihrer eigenen Verwendung in der Antwort zurück. Hier finden Sie ein Beispiel: Custom

General parameters for direct debit payments via form

To adapt the layout of the SSL-page to your shop you can use the following unencrypted parameters to configure colours, fonts and images:

Key	REST	Format	CND	Description
AccBank	"payment": { "directDebitForm": { "account": { "name": "..."} } } }	ans..20	O	for the pre-completion of the direct debit form: Name of the account holder's bank
AccOwner	"payment": { "directDebitForm": { "account": { "accountHolder": "..."} } } }	ans..50	O	for the pre-completion of the direct debit form: Name of account holder
IBAN	"payment": { "directDebitForm": { "account": { "number": "..."} } } }	ans..34	M	for the pre-completion of the SEPA form: International Bank Account Number
BIC	"payment": { "directDebitForm": { "account": { "code": "..."} } } }	ans..11	O	for the pre-completion of the SEPA form: Bank Identifier Code

Language	"language": "..."	a2 (enum)	M	Language code: <de> German, <al> Albanian, <at> Austrian, <cz/cs> Czech, <dk> Danish, <en> English, <fi> Finish, <fr> French, <gr> Greek, <hu> Hungarian, <it> Italian, <jp> Japanese, <nl> Dutch, <no> Norwegian, <pl> Polish, <pt> Portuguese, <ro> Romanian, <ru> Russian, <sp> Spanish, <se> Swedish, <sk> Slovakian, <sl> Slovenian, <tr> Turkey, <zh> Simplified Chinese. No details means the language is German.
Template	<pre>"payment": { "cardForm": { "template": { "name" = "..." }}} "payment": { "directDebitForm": { "template": { "name" = "..." }}}}</pre>	ans..20	O	Name of XSLT-file with your own layout for the pay form. If you want to use the redesigned and downwards compatible Computop template, please transfer the template name "ct_compatible". If you want to use the responsive Computop template for mobile devices, please transfer the template name "ct_responsive".
Background	<pre>"payment": { "cardForm": { "template": { "background" = "..." }}} "payment": { "directDebitForm": { "template": { "background" = "..." }}}}</pre>	ans..256	O	Background ambience of form: URL for a background image - HTML-colour value for background colour as HEX value or - HTML-colour name
BGColor	<pre>"payment": { "cardForm": { "template": { "backgroundColour" = "..." }}} "payment": { "directDebitForm": { "template": { "backgroundColour" = "..." }}}}</pre>	ans..7	O	Form background colour: - HTML-colour value for background colour as HEX value or - HTML-colour name

BGImage	<pre>"payment": { "cardForm": { "template": { "backgroundImage": "..." } } }</pre> <pre>"payment": { "directDebitForm": { "template": { "backgroundImage": "..." } } }</pre>	ans..256	O	Form background image: URL for a background image Please note that this value supersedes "BGColor".
FColor	<pre>"payment": { "cardForm": { "template": { "textColour": "..." } } }</pre> <pre>"payment": { "directDebitForm": { "template": { "textColour": "..." } } }</pre>	ans..7	O	Text colour: - HTML-colour value as HEX value or - HTML-colour name
FFace	<pre>"payment": { "cardForm": { "template": { "fontName": "..." } } }</pre> <pre>"payment": { "directDebitForm": { "template": { "fontName": "..." } } }</pre>	a..10	O	HTML-name for the font
FSize	<pre>"payment": { "cardForm": { "template": { "fontSize": "..." } } }</pre> <pre>"payment": { "directDebitForm": { "template": { "fontSize": "..." } } }</pre>	n2	O	Number for font size

URLBack	"urls": { "cancel" : "..."} }	ans..256	O	Complete URL which Paygate calls in case that Cancel is clicked by the customer. The parameter "URLBack" can be sent • either as plain parameter (unencrypted) (compatibility mode) • or be part of encrypted payment request parameters (preferred mode) In order to exchange values between Paygate and shop you may use something like this: URLBack=https://your.shop.com/back.php?param1%3Dvalue1%26param2%3Dvalue3%26status%3Dcancelled When user cancels payment this URL is called exactly like this and you may use URL Decode to extract parameter and values.
tWidth	payment ": { "cardFo rm": { "templat e": { "tableW idth"= "..." } } } payment ": { "directD ebitForm ": { "templat e": { "tableW idth"= "..." } } } }	ans..4	O	Width of table for input in the form as percent- (50%) or pixel values (320).
tHeight	"paymen t": { "cardFo rm": { "templat e": { "tableH eighth"= "..." } } } "paymen t": { "directD ebitForm ": { "templat e": { "tableH eighth"= "..." } } } }	ans..4	O	Height of table for input of the payment data in the form as percent- (70%) or pixel values (480).
CustomField[n]	"paymen t": { "directD ebitForm ": { "templat e": { "custom Field"= OBJECT } } } }	ans..50	O	Merchants can customize up to 14 special fields (called CustomField1 to CustomField14) on their payment form template. CustomFields are a feature that allows you to show additional information such as your logo, order details and customer details on the payment form. Special characters (like &, ', <, >) are not allowed - even not "urlencoded". The usage / display of CustomField{n} depends on the template that is used.

Key	REST	Format	CND	Description	Beschreibung
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Templ ate	<pre>"payment": { "cardForm": { "template": { "name": "..." } } } "payment": { "directDebitForm": { "template": { "name": "..." } } }</pre>	ans..20	O	Name of XSLT-file with your own layout for the pay form. If you want to use the redesigned and downwards compatible Computop template, please transfer the template name "ct_compatible". If you want to use the responsive Computop template for mobile devices, please transfer the template name "ct_responsive".	Name der XSLT-Datei mit Ihrem individuellen Layout für das Bezahlformular. Wenn Sie das neugestaltete und abwärtskompatible Computop-Template nutzen möchten, übergeben Sie den Templatenamen „ct_compatible“. Wenn Sie das responsive Computop-Template für mobile Endgeräte nutzen möchten, übergeben Sie den Templatenamen „ct_responsive“.
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Key	REST	Format	CND	Description	Beschreibung
Backgr ound	<pre>"payment": { "cardForm": { "template": { "background": "..." } } } "payment": { "directDebitForm": { "template": { "background": "..." } } }</pre>	ans..256	O	Background ambiance of form: URL for a background image - HTML-colour value for background colour as HEX value or - HTML-colour name	Formular Hintergrundumgebung: - URL für ein Hintergrundbild - HTML-Farbwert für Hintergrundfarbe als HEX-Wert oder - HTML-Farbname

Key	REST	Format	CND	Description	Beschreibung
BGCol or	<pre>"payment": { "cardForm": { "template": { "backgroundColour": "..." } } } "payment": { "directDebitForm": { "template": { "backgroundColour": "..." } } }</pre>	ans..7	O	Form background colour: - HTML-colour value for background colour as HEX value or - HTML-colour name	Formular Hintergrundfarbe: - HTML-Farbwert für Hintergrundfarbe als HEX-Wert oder - HTML-Farbname

Key	REST	Format	CND	Description	Beschreibung
BGIma ge	<pre>"payment": { "cardForm": { "template": { "backgroundImage": "..." } } } "payment": { "directDebitForm": { "template": { "backgroundImage": "..." } } }</pre>	ans..256	O	Form background image: URL for a background image Please note that this value supersedes "BGColor".	Formular Hintergrundbild: URL für ein Hintergrundbild Beachten Sie bitte, dass dieser Wert „BGColor“ überschreibt.

Key	REST	Format	CND	Description	Beschreibung
FColor	<pre>"payment": { "cardForm": { "template": { "textColour": "..." } } } "payment": { "directDebitForm": { "template": { "textColour": "..." } } }</pre>	ans..7	O	Text colour: - HTML-colour value as HEX value or - HTML-colour name	Textfarbe: - HTML-Farbwert als HEX-Wert oder - HTML-Farbname

Key	REST	Format	CND	Description	Beschreibung
FFace	<pre>"payment": { "cardForm": { "template": { "fontName": "..." } } } "payment": { "directDebitForm": { "template": { "fontName": "..." } } }</pre>	a..10	O	HTML-name for the font	HTML-Name der Schriftart

Key	REST	Format	CND	Description	Beschreibung
FSize	<pre>"payment": { "cardForm": { "template": { "fontSize": "..." } } } "payment": { "directDebitForm": { "template": { "fontSize": "..." } } }</pre>	n2	O	Number for font size	Zahl für die Schriftgröße

Key	REST	Format	CND	Description	Beschreibung
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URLBack	"urls": {"cancel": "..."} The parameter "URLBack" can be sent • either as plain parameter (unencrypted) (compatibility mode) • or be part of encrypted payment request parameters (preferred mode) In order to exchange values between Paygate and shop you may use something like this: URLBack=https://your.shop.com/back.php?param1%3Dvalue1%26param2%3Dvalue3%26status%3Dcancelled When user cancels payment this URL is called exactly like this and you may use URL Decode to extract parameter and values.	ans..256	O	Complete URL which Paygate calls in case that Cancel is clicked by the customer. Der Parameter "URLBack" kann • sowohl unverschlüsselt ans Paygate übermittelt werden (Kompatibilitätsmodus) • als auch in den verschlüsselten Übergabeparametern (bevorzugte Variante) Wenn Sie Parameter/Werte in der URLBack übergeben möchten, so können Sie folgende Methode verwenden: URLBack=https://your.shop.com/back.php?param1%3Dvalue1%26param2%3Dvalue3%26status%3Dcancelled Wenn der Kunde auf Abbruch klickt, so wird die URL genauso aufgerufen, so dass Sie URL Decode verwenden können, um Parameter und Werte zu extrahieren.
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Key	REST	Format	CND	Description	Beschreibung
tWidth	<pre>payment": {"cardForm": { "template": {"tableWidth": "..."} }} payment": {"directDebitForm": { "template": {"tableWidth": "..."} }}</pre>	ans..4	O	Width of table for input in the form as percent- (50%) or pixel values (320).	Breite der Tabelle im Eingabeformular als Prozent- (50%) oder Pixelwerte (320)

Key	REST	Format	CND	Description	Beschreibung
tHeight	<pre>"payment": {"cardForm": { "template": {"tableHeighth"= "..." }}} "payment": {"directDebitForm": { "template": {"tableHeighth"= "..." }}}</pre>	ans..4	O	Height of table for input of the payment data in the form as percent- (70%) or pixel values (480).	Höhe der Tabelle für die Eingabe der Bezahltdaten im Formular als Prozent- (70%) oder Pixelwerte (480)

Key	REST	Format	CND	Description	Beschreibung
CustomField[n]	<pre>"payment": { "directDebitForm": { "template": { "customField" = OBJECT } } }</pre>	ans..50	O	Merchants can customize up to 14 special fields (called CustomField1 to CustomField14) on their payment form template. CustomFields are a feature that allows you to show additional information such as your logo, order details and customer details on the payment form. Special characters (like &, ', <, >) are not allowed - even not "urlencoded". The usage / display of CustomField{n} depends on the template that is used.	Händler können bis zu 14 spezielle Felder (genannt CustomField1 bis CustomField14) in ihrer Zahlungsformularvorlage anpassen. CustomFields sind eine Funktion, mit der Sie zusätzliche Informationen wie Ihr Logo, Bestelldetails und Kundendetails auf dem Zahlungsformular anzeigen können. Sonderzeichen (wie &, ', <, >) sind nicht erlaubt - auch nicht "urlencoded". Die Verwendung bzw. Darstellung der CustomField{n} ist abhängig vom verwendeten Template.

Layout parameters for Paygate forms for direct debit payments

In case of using REST API

In case of using REST API you will always receive a link where the merchant has to redirect the consumer to complete the payment.

REST	Format	CND	Description
"paymentId": "..."	an32	M	May be "00000000000000000000000000000000" if not yet set by Computop Paygate
"_Links.self.type": "..."	an..20	M	"application/json"
"_Links.redirect.href": "..."	an..1024	M	Merchant needs to redirect consumer to this URL to complete payment
"_Links.redirect.type": "..."	an..20	M	"text/html"

Merchant can use inquire.aspx

In case of using Key-Value-Pair API

The following table gives the result parameters which Computop Paygate transmits to **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent **Blowfish encrypted** 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-sensitive

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 PENDING (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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
IBAN	ans..34	OC	only without PBAN configuration: International Bank Account Number
BIC	ans..11	O	Bank Identifier Code
AccOwner	ans..50	O	Name of account holder
AccBank	ans..20	O	Name of the financial institute of the account holder
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
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. Please find a samples here: Custom
CustomField[n]	ans..50	O	Merchants can customize up to 14 special fields (called CustomField1 to CustomField14) on their payment form template. CustomFields are a feature that allows you to show additional information such as your logo, order details and customer details on the payment form. Special characters (like &, ', <, >) are not allowed - even not "urlencoded". The usage / display of CustomField[n] depends on the template that is used.

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
Status	a..50	M	OK or PENDING (URLSuccess) as well as FAILED (URLFailure)	OK oder PENDING (URLSuccess) sowie 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	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
IBAN	ans..34	OC	only without PBAN configuration: International Bank Account Number	nur ohne PBAN-Konfiguration: International Bank Account Number
BIC	ans..11	O	Bank Identifier Code	Bank Identifier Code
AccOwner	ans..50	O	Name of account holder	Name des Kontoinhabers
AccBank	ans..20	O	Name of the financial institute of the account holder	Name des Kreditinstituts des Kontoinhabers

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
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.

Key	Format	CND	Description	Beschreibung
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.	Ein einzelner Wert, der von Ihnen gesetzt werden kann, um Informationen wieder unverschlüsselt in der Antwort bzw. im Notify zurückzugeben, z.B. die MID. Da der "Plain"-Parameter Teil des verschlüsselten "Data" im Computop Paygate ist, ist dieser vor Manipulationen geschützt.

Key	Format	CND	Description	Beschreibung
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. Please find a samples here: Custom	Der "Custom"-Parameter wird vor der Verschlüsselung an den Aufruf angehängt und ist Teil des verschlüsselten "Data" im Computop Paygate Aufruf. Dadurch ist der Wert gegen Manipulation geschützt. Der Custom-Wert wird dann in Klartext an die Computop Paygate-Antwort angehängt und dabei wird " " durch "&" ersetzt. Dadurch können Sie einen Custom-Wert übergeben und bekommen mehrere Key-Value-Paare zu Ihrer eigenen Verwendung in der Antwort zurück. Hier finden Sie ein Beispiel: Custom

Key	Format	CND	Description	Beschreibung
CustomField[n]	ans..50	O	Merchants can customize up to 14 special fields (called CustomField1 to CustomField14) on their payment form template. CustomFields are a feature that allows you to show additional information such as your logo, order details and customer details on the payment form. Special characters (like &, ', <, >) are not allowed - even not "urlencoded". The usage / display of CustomField[n] depends on the template that is used.	Händler können bis zu 14 spezielle Felder (genannt CustomField1 bis CustomField14) in ihrer Zahlungsformularvorlage anpassen. CustomFields sind eine Funktion, mit der Sie zusätzliche Informationen wie Ihr Logo, Bestelldetails und Kundendetails auf dem Zahlungsformular anzeigen können. Sonderzeichen (wie &, ', <, >) sind nicht erlaubt - auch nicht "urlencoded". Die Verwendung bzw. Darstellung der CustomField[n] ist abhängig vom verwendeten Template.

General results parameters for URLNotify, URLSuccess and URLFailure

Direct connection

In addition to the general parameters described above for the direct debit connection the following parameters need to be transmitted via form.

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

Key	REST	Format	CND	Description								
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number								
Order Desc	"order": {"description[0]": "..."} "	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.								
Order Desc2	"order": {"description[1]": "..."} "	ans..384	M	2. Goods description which appears on the account extract (27 characters). You can view the full data in Computop Analytics.								
Capture	"capture": {"auto": "Yes"} "capture": {"manual": "Yes"} "capture": ...	an..6	OM	Determines the type and time of capture. <table><tr><th>Capture Mode</th><th>Description</th></tr><tr><td>AUTO</td><td>Capturing immediately after authorisation (default value).</td></tr><tr><td>MANUAL</td><td>Capturing made by the merchant. Capture is normally initiated at time of delivery.</td></tr><tr><td><Number></td><td>Delay in hours until the capture (whole number; 1 to 696).</td></tr></table>	Capture Mode	Description	AUTO	Capturing immediately after authorisation (default value).	MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.	<Number>	Delay in hours until the capture (whole number; 1 to 696).
Capture Mode	Description											
AUTO	Capturing immediately after authorisation (default value).											
MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.											
<Number>	Delay in hours until the capture (whole number; 1 to 696).											
MandateID	"payment": { "mandateId": "..."} "payment": {"directDebitForm": { "mandate": {"mandateId": "..."} }}} 	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket								
Date of Signature	"payment": {"directDebitForm": { "mandate": {"dateOfSignature": "..."} }}} 	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)								
Mandate Sequence Type	"payment": {"directDebitForm": { "mandate": {"mandateSequenceType": "..."} }}} 	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)								
PBAN	"payment": { "pseudoBankNumber": "..."} "payment": {"directDebit": { "account": { "pseudoBankNumber": "..."} }}} 	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number								

Key	REST	Format	CND	Description	Beschreibung
Order Desc	"order": {"description[0]": "..."} "	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.	Beschreibung der gekauften Waren, Einzelpreise etc. Die ersten 27 Zeichen erscheinen auf dem Kontoauszug des Kunden. In Computop Analytics können Sie die kompletten Daten einsehen.
Order Desc2	"order": {"description[1]": "..."} "	ans..384	M	2. Goods description which appears on the account extract (27 characters). You can view the full data in Computop Analytics.	2. Zeile der Warenbeschreibung, die auf dem Kontoauszug erscheint (27 Zeichen). In Computop Analytics können Sie die kompletten Daten einsehen.

Key	REST	Format	CND	Description	Beschreibung
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Capture	"capture": { "auto": "Yes"} "capture": { "manual": "Yes"} "capture": ...	an..6	OM	Determines the type and time of capture.		Bestimmt Art und Zeitpunkt der Buchung (engl. Capture).	
				Capture Mode	Description	Buchungsart	Beschreibung
				AUTO	Capturing immediately after authorisation (default value).	AUTO	Buchung sofort nach Autorisierung (Standardwert).
				MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.	MANUAL	Buchung erfolgt durch den Händler - in der Regel die Buchung zum Zeitpunkt der Warenauslieferung bzw. Leistungserbringung.
				<Number>	Delay in hours until the capture (whole number; 1 to 696).	<Zahl>	Verzögerung in Stunden bis zur Buchung (ganze Zahl; 1 bis 696).

Key	REST	Format	CND	Description	Beschreibung
MandateID	"payment": { "mandateId": "..."} "payment": { "directDebitForm": { "mandate": { "mandateId": "..." }}} }}	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket	für SEPA: SEPA-Mandatsnummer (Pflicht bei SEPA) sollte eindeutig sein, ist nicht case-sensitive Zulässige Zeichen: Ziffern 0-9, Großbuchstaben A-Z, Kleinbuchstaben a-z, Apostroph, Doppelpunkt, Fragezeichen, Komma, Punkt, Pluszeichen, Minuszeichen, Schrägstrich, linke und rechte Klammer

Key	REST	Format	CND	Description	Beschreibung
DateTimeSignature	"payment": { "directDebitForm": { "mandate": { "dateOfSignature": "..." }}} }}	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)	für SEPA: Datum der Mandatserteilung im Format DD.MM.YYYY (Pflicht bei Übergabe von MandateID)

Key	REST	Format	CND	Description	Beschreibung
MandateSequenceType	"payment": { "directDebitForm": { "mandate": { "mandateSequenceType": "..." }}} }}	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)	für SEPA: Gibt an, ob es sich um eine Erst-, Folge-, Einmal- oder letztmalige Lastschrift handelt. Zulässige Werte: FRST, RCUR, OOFF, FNAL Standard: OOFF (Einmal-Lastschrift)

Key	REST	Format	CND	Description	Beschreibung
PseudoBankNumber	"payment": { "pseudoBankNumber": "..."} "payment": { "directDebit": { "account": { "pseudoBankNumber": "..." }}} }}	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number	für SEPA: PseudoBankNumber. Die letzten drei Stellen sind identisch zu den letzten drei Stellen der IBAN

Additional parameters for the direct debit connection via Paygate form

In case of using REST API

In case of using REST API you will always receive a link where the merchant has to redirect the consumer to complete the payment.

REST	Format	CND	Description
"paymentId": "..."	an32	M	May be "00000000000000000000000000000000" if not yet set by Computop Paygate
"_Links.self.type": "..."	an..20	M	"application/json"
"_Links.redirect.href": "..."	an..1024	M	Merchant needs to redirect consumer to this URL to complete payment
"_Links.redirect.type": "..."	an..20	M	"text/html"

Merchant can use inquire.aspx

In case of using Key-Value-Pair API

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

i pls. be prepared to receive additional parameters at any time and do not check the order of parameters

i the key (e.g. MerchantId, RefNr) should not be checked case-sensitive

Key	Format	CND	Description
refnr	ns..30	O	Merchant's unique reference number
MandateID	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgntr	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
MdtSeqType	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
PBAN	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number

Key	Format	CND	Description	Beschreibung
MandateID	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket	für SEPA: SEPA-Mandatsnummer (Pflicht bei SEPA) sollte eindeutig sein, ist nicht case-sensitive Zulässige Zeichen: Ziffern 0-9, Großbuchstaben A-Z, Kleinbuchstaben a-z, Apostroph, Doppelpunkt, Fragezeichen, Komma, Punkt, Pluszeichen, Minuszeichen, Schrägstrich, linke und rechte Klammer

Key	Format	CND	Description	Beschreibung
DtOfSgntr	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)	für SEPA: Datum der Mandatserteilung im Format DD.MM.YYYY (Pflicht bei Übergabe von MandateID)

Key	Format	CND	Description	Beschreibung
MdtSeqType	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)	für SEPA: Gibt an, ob es sich um eine Erst-, Folge-, Einmal- oder letztmalige Lastschrift handelt. Zulässige Werte: FRST, RCUR, OOFF, FNAL Standard: OOFF (Einmal-Lastschrift)

Key	Format	CND	Description	Beschreibung
PBAN	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number	für SEPA: PseudoBankNumber. Die letzten drei Stellen sind identisch zu den letzten drei Stellen der IBAN

Additional result parameters for URLNotify, URLSuccess and URLFailure in case of direct connection

EVO Payments

Besides general parameters for direct debit connection via EVO Payments additionally the following parameters need to be transmitted via form.

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

Key	REST	Format	CND	Description
EDDMet hod	"payment": {"method": "..."} 	a3	O	Direct debit in Germany:=ELV, Netherlands=ENL, Austria=EEV
OrderDe sc	"order": {"description[0]": "..."} 	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.
OrderDe sc2	"order": {"description[1]": "..."} 	ans..384	M	2. Goods description which appears on the account extract (27 characters). You can view the full data in Computop Analytics.
SubSeq Type	"payment": {"directDebitForm": { "mandate": {"subSequenceType"= "..." } }} 	a4	O	for SEPA: indicates type of (following) direct debit (FRST, RCUR, OOFF, FNAL permissible)
DebitDel ay	"payment": {"directDebitForm": { "debitDelay": ... } }} 	n..3	M	for SEPA: Number of bank working days >0 which has to be added for the execution date of direct debit
CreditDe lay	"payment": {"directDebitForm": { "creditDelay": ... } }} 	n..3	O	for SEPA: Number of bank working days >0 which has to be added for the execution date of a credit
Mandate ID	"payment": { "mandateId": "..."} "payment": {"directDebitForm": { "mandate": {"mandateId"= "..."} }} 	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgn tr	"payment": {"directDebitForm": { "mandate": {"dateOfSignature"= "..."} }} 	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
MdtSeq Type	payment": {"directDebitForm": { "mandate": {"mandateSequenceType"= "..." } }} 	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
PBAN	"payment": { "pseudoBankNumber": "..." } "payment": {"directDebit": { "account": {"pseudoBankNumber"= "..."} }} 	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
EDDMet hod	"payment": {"method": "..."} 	a3	O	Direct debit in Germany:=ELV, Netherlands=ENL, Austria=EEV
OrderDe sc	"order": {"description[0]": "..."} 	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.
OrderDe sc2	"order": {"description[1]": "..."} 	ans..384	M	2. Goods description which appears on the account extract (27 characters). You can view the full data in Computop Analytics.
SubSeq Type	"payment": {"directDebitForm": { "mandate": {"subSequenceType"= "..." } }} 	a4	O	for SEPA: indicates type of (following) direct debit (FRST, RCUR, OOFF, FNAL permissible)
DebitDel ay	"payment": {"directDebitForm": { "debitDelay": ... } }} 	n..3	M	for SEPA: Number of bank working days >0 which has to be added for the execution date of direct debit
CreditDe lay	"payment": {"directDebitForm": { "creditDelay": ... } }} 	n..3	O	for SEPA: Number of bank working days >0 which has to be added for the execution date of a credit
Mandate ID	"payment": { "mandateId": "..."} "payment": {"directDebitForm": { "mandate": {"mandateId"= "..."} }} 	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgn tr	"payment": {"directDebitForm": { "mandate": {"dateOfSignature"= "..."} }} 	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
MdtSeq Type	payment": {"directDebitForm": { "mandate": {"mandateSequenceType"= "..." } }} 	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
PBAN	"payment": { "pseudoBankNumber": "..." } "payment": {"directDebit": { "account": {"pseudoBankNumber"= "..."} }} 	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number

Additional parameters for the direct debit connection EVO Payments via Paygate form

In case of using REST API

In case of using REST API you will always receive a link where the merchant has to redirect the consumer to complete the payment.

REST	Format	CND	Description
"paymentId": "..."	an32	M	May be "00000000000000000000000000000000" if not yet set by Computop Paygate
"_Links.self.type": "..."	an..20	M	"application/json"
"_Links.redirect.href": "..."	an..1024	M	Merchant needs to redirect consumer to this URL to complete payment
"_Links.redirect.type": "..."	an..20	M	"text/html"

Merchant can use inquire.aspx

In case of using Key-Value-Pair API

The following table gives the result parameters which Computop Paygate transmits to **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent **Blowfish encrypted** 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-sensitive

Key	Format	CND	Description
MandateID	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgntr	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
MdtSeqType	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
PBAN	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number

Key	Format	CND	Description	Beschreibung
DtOfSgntr	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)	für SEPA: Datum der Mandatserteilung im Format DD.MM.YYYY (Pflicht bei Übergabe von MandateID)

Key	Format	CND	Description	Beschreibung
MdtSeqType	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)	für SEPA: Gibt an, ob es sich um eine Erst-, Folge-, Einmal- oder letztmalige Lastschrift handelt. Zulässige Werte: FRST, RCUR, OOFF, FNAL Standard: OOFF (Einmal-Lastschrift)

Key	Format	CND	Description	Beschreibung
PBAN	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number	für SEPA: PseudoBankNumber. Die letzten drei Stellen sind identisch zu den letzten drei Stellen der IBAN

Additional result parameters for URLNotify, URLSuccess and URLFailure in case of EVO Payments connection

InterCard

Direct debit via InterCard does not offer payment protection. If you want to use a direct debit with payment protection, you must order and implement the payment method [PayMorrow](#) from InterCard.

Besides general parameters for direct debit connection via InterCard additionally the following parameters need to be transmitted via form.

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

Key	REST	Format	CND	Description
MandateID	"payment": { "mandateId": "..."} "payment": {"directDebitForm": { "mandate": {"mandateId": "..."} }}	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgnt	"payment": {"directDebitForm": { "mandate": {"dateOfSignature": "..."} }}	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
PBAN	"payment": { "pseudoBankNumber": "..."} "payment": {"directDebit": { "account": {"pseudoBankNumber": "..."} }}	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
OrderDesc	"order": {"description[0]": "..."} "	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.
RefNr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
CustomerID	"billing": {"consumer": { "consumerId": "..."} }}	ans..30	M	Customer number at the merchant
DateOfRegistration	"accountInfo": {"creationDate": "..."} "	dtm8	O	Customer since in the format YYYYMMDD
CustomerClassification		ans..20	O	(business / private)
eMail	"billing": {"contactInfo": { "email": "..." }}	ans..80	O	E-mail address
DateOfBirth	"billing": {"consumer": { "birthDate": "..."} }}	dtm8	O	Date of birth in the format YYYYMMDD
bdSalutation	"billing": {"consumer": { "salutation": "..."} }}	ans..4	O	Salutation of the invoicing address
bdFirstName	"billing": {"consumer": { "firstName": "..."} }}	ans..30	M	First name of the invoicing address
bdLastName	"billing": {"consumer": { "lastName": "..."} }}	ans..30	M	Last name of the invoicing address
bdStreet	"billing": {"addressInfo": { "addressLine1": {"street": "..."} }}	a..50	M	Street name of the invoicing address
bdStreetNr	"billing": {"addressInfo": { "addressLine1": {"streetNumber": "..."} }}	ans..5	M	Street number of the invoicing address
bdCountryCode	"billing": {"addressInfo": { "country": {"A2": "..."} }}	a2	O	Country code in the invoicing address, 2 characters according to ISO 3166
bdZip	"billing": {"addressInfo": { "postalCode": "..."} }}	n..5	M	Postcode of the invoicing address
bdCity	"billing": {"addressInfo": { "city": "..." }}	a..32	M	Town or city of the invoicing address
bdPhone	"billing": {"contactInfo": { "phone": "..." }}	ans..15	O	Phone number in the invoicing address
bdFax	"billing": {"contactInfo": { "fax": "... "..." }}	ans..20	O	Fax number of the invoicing address
bdMaidenName	"billing": {"consumer": { "maidenName": "..."} }}	ans..30	O	Maiden name of the invoicing address

UseBillingData		a..3	O	Is the invoicing address to be used as the delivery address? <Yes> or <No>. If <Yes> no parameters are transferred for the delivery address, if <No> they are obligatory. Standard=Yes
sdSalutation	"shipping": {"consumer": { "salutation": "..."} }	ans..4	O	Salutation in the delivery address
sdFirstName	"shipping": {"consumer": { "firstName": "..."} }	ans..30	O	First name in the delivery address
sdLastName	"shipping": {"consumer": { "lastName": "..."} }	ans..30	O	Last name in the delivery address
sdStreet	"shipping": {"addressInfo": { "addressLine1": {"street": "..."} }}	a..50	O	Street in the delivery address
sdStreetNr	"shipping": {"addressInfo": { "addressLine1": {"streetNumber": "..."} }}	ans..5	O	Street number of the delivery address
sdCountryCode	"shipping": {"addressInfo": { "country": {"A2": "..."} }}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166
sdZip	"shipping": {"addressInfo": { "postalCode": "..."} }	n..5	O	Postcode in the delivery address
sdCity	"shipping": {"addressInfo": { "city": "..." } }	a..50	O	Town/city in the delivery address
RegularCustomerIndicator		a..5	O	Regular customer (true / false)
ShoppingBasket		ans..1024	O	Customer order information (prices each in the smallest currency unit): - invoice number / order number - total net price, numerical - total gross price - net shipping costs - gross shipping costs - net discount - gross discount <> separates the fields in the shopping basket Example: InvoiceNumber;TotalNetPrice;TotalGrossPrice;NetShippingCosts; GrossShippingCosts;NetDiscount;GrossDiscount
ArticleList	"order": {"items": "..."}	ans..2048	C	Mandatory if shopping basket is transmitted: Shopping basket of the customer: - article description (ans—50) - quantity - net article price - gross article price Note on the structure of the article list: <> separates fields in the article data set <+> separates the article data sets Each article is transferred as a complete article data set: ArticleDescription;Quantity; ArticleName; NetArticlePrice;GrossArticlePrice + ArticleDescription;Quantity;ArticleName;NetArticlePrice;GrossArticlePrice
MandateID	"payment": { "mandateId": "..."} "payment": {"directDebitForm": { "mandate": {"mandateId": "..."} }}	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgntr	"payment": {"directDebitForm": { "mandate": {"dateOfSignature": "..."} }}	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)

PBAN	"payment": { "pseudoBankNumber": "..."} "payment": {"directDebit": { "account": {"pseudoBankNumber" = "..."} }}	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
OrderDesc	"order": {"description[0]": "..."} }	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.
RefNr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
CustomerID	"billing": {"consumer": { "consumerId": "..."} }	ans..30	M	Customer number at the merchant
DateOfRegistration	"accountInfo": {"creationDate": "..."} }	dtm8	O	Customer since in the format YYYYMMDD
CustomerClassification		ans..20	O	(business / private)
eMail	"billing": {"contactInfo": { "email": "..." } }	ans..80	O	E-mail address
DateOfBirth	"billing": {"consumer": { "birthDate": "..."} }	dtm8	O	Date of birth in the format YYYYMMDD
bdSalutation	"billing": {"consumer": { "salutation": "..."} }	ans..4	O	Salutation of the invoicing address
bdFirstName	"billing": {"consumer": { "firstName": "..."} }	ans..30	M	First name of the invoicing address
bdLastName	"billing": {"consumer": { "lastName": "..."} }	ans..30	M	Last name of the invoicing address
bdStreet	"billing": {"addressInfo": { "addressLine1": {"street": "..."} }}	a..50	M	Street name of the invoicing address
bdStreetNr	"billing": {"addressInfo": { "addressLine1": {"streetNumber": "..."} }}	ans..5	M	Street number of the invoicing address
bdCountryCode	"billing": {"addressInfo": { "country": {"A2": "..."} }}	a2	O	Country code in the invoicing address, 2 characters according to ISO 3166
bdZip	"billing": {"addressInfo": { "postalCode": "..."} }	n..5	M	Postcode of the invoicing address
bdCity	"billing": {"addressInfo": { "city": "..." } }	a..32	M	Town or city of the invoicing address
bdPhone	"billing": {"contactInfo": { "phone": "..." } }	ans..15	O	Phone number in the invoicing address
bdFax	"billing": {"contactInfo": { "fax": "... "} }	ans..20	O	Fax number of the invoicing address
bdMaidenName	"billing": {"consumer": { "maidenName": "..."} }	ans..30	O	Maiden name of the invoicing address
UseBillingData		a..3	O	Is the invoicing address to be used as the delivery address? <Yes> or <No>. If <Yes> no parameters are transferred for the delivery address, if <No> they are obligatory. Standard=Yes
sdSalutation	"shipping": {"consumer": { "salutation": "..."} }	ans..4	O	Salutation in the delivery address
sdFirstName	"shipping": {"consumer": { "firstName": "..."} }	ans..30	O	First name in the delivery address
sdLastName	"shipping": {"consumer": { "lastName": "..."} }	ans..30	O	Last name in the delivery address
sdStreet	"shipping": {"addressInfo": { "addressLine1": {"street": "..."} }}	a..50	O	Street in the delivery address
sdStreetNr	"shipping": {"addressInfo": { "addressLine1": {"streetNumber": "..."} }}	ans..5	O	Street number of the delivery address
sdCountryCode	"shipping": {"addressInfo": { "country": {"A2": "..."} }}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166

CustomerClassification		ans..20	O	(business / private)	(business / private)
eMail	"billing": {"contactInfo": {"email": "..."} }	ans..80	O	E-mail address	E-Mail-Adresse
DateOfBirth	"billing": {"consumer": {"birthDate": "..."} }	dtm8	O	Date of birth in the format YYYYMMDD	Geburtsdatum im Format JJJJMMTT
bdSalutation	"billing": {"consumer": {"salutation": "..."} }	ans...4	O	Salutation of the invoicing address	Anrede der Rechnungsanschrift
bdFirstName	"billing": {"consumer": {"firstName": "..."} }	ans..30	M	First name of the invoicing address	Vorname der Rechnungsanschrift
bdLastName	"billing": {"consumer": {"lastName": "..."} }	ans..30	M	Last name of the invoicing address	Nachname der Rechnungsanschrift
bdStreet	"billing": {"addressInfo": {"addressLine1": {"street": "..."} } }	a..50	M	Street name of the invoicing address	Straßenname der Rechnungsanschrift
bdStreetNr	"billing": {"addressInfo": {"addressLine1": {"streetNumber": "..."} } }	ans..5	M	Street number of the invoicing address	Hausnummer der Rechnungsanschrift
bdCountryCode	"billing": {"addressInfo": {"country": {"A2": "..."} } }	a2	O	Country code in the invoicing address, 2 characters according to ISO 3166	Ländercode der Rechnungsanschrift, zweistellig gemäß ISO 3166
bdZip	"billing": {"addressInfo": {"postalCode": "..."} }	n..5	M	Postcode of the invoicing address	Postleitzahl der Rechnungsanschrift
bdCity	"billing": {"addressInfo": {"city": "..."} }	a..32	M	Town or city of the invoicing address	Ortsname der Rechnungsanschrift
bdPhone	"billing": {"contactInfo": {"phone": "..."} }	ans..15	O	Phone number in the invoicing address	Telefonnummer der Rechnungsanschrift
bdFax	"billing": {"contactInfo": {"fax": "..."} }	ans..20	O	Fax number of the invoicing address	Faxnummer der Rechnungsanschrift
bdMaidenName	"billing": {"consumer": {"maidenName": "..."} }	ans..30	O	Maiden name of the invoicing address	Geburtsname der Rechnungsanschrift
UseBillingData		a..3	O	Is the invoicing address to be used as the delivery address? <Yes> or <No>. If <Yes> no parameters are transferred for the delivery address, if <No> they are obligatory. Standard=Yes	Soll Rechnungsadresse als Lieferadresse genutzt werden? <Yes> oder <No>. Bei <Yes> werden keine Parameter zur Lieferadresse übergeben, bei <No> sind sie Pflicht. Standard=Yes
sdSalutation	"shipping": {"consumer": {"salutation": "..."} }	ans...4	O	Salutation in the delivery address	Anrede der Lieferadresse
sdFirstName	"shipping": {"consumer": {"firstName": "..."} }	ans..30	O	First name in the delivery address	Vorname der Lieferadresse
sdLastName	"shipping": {"consumer": {"lastName": "..."} }	ans..30	O	Last name in the delivery address	Nachname der Lieferadresse
sdStreet	"shipping": {"addressInfo": {"addressLine1": {"street": "..."} } }	a..50	O	Street in the delivery address	Straßenname der Lieferadresse
sdStreetNr	"shipping": {"addressInfo": {"addressLine1": {"streetNumber": "..."} } }	ans..5	O	Street number of the delivery address	Hausnummer der Lieferadresse
sdCountryCode	"shipping": {"addressInfo": {"country": {"A2": "..."} } }	a2	O	Country code for the delivery address, 2 characters according to ISO 3166	Ländercode der Lieferadresse, zweistellig gemäß ISO 3166
sdZip	"shipping": {"addressInfo": {"postalCode": "..."} }	n..5	O	Postcode in the delivery address	Postleitzahl der Lieferadresse
sdCity	"shipping": {"addressInfo": {"city": "..."} }	a..50	O	Town/city in the delivery address	Ortsname der Lieferadresse
RegularCustomerIndicator		a..5	O	Regular customer (true / false)	Stammkunde (true / false)

ShoppingBasket		ans..1024	O	Customer order information (prices each in the smallest currency unit): - invoice number / order number - total net price, numerical - total gross price - net shipping costs - gross shipping costs - net discount - gross discount <> separates the fields in the shopping basket Example: InvoiceNumber;TotalNetPrice;TotalGrossPrice;NetShippingCosts;GrossShippingCosts;NetDiscount;GrossDiscount	Bestellinformation des Kunden (Preise je in kleinster Währungseinheit): - Rechnungsnummer / Bestellnummer - Gesamtpreis netto numerisch - Gesamtpreis brutto - Versandkosten netto - Versandkosten brutto - Rabatt netto - Rabatt brutto <> trennt die Felder im Warenkorb Beispiel: Rechnungsnummer;GesamtpreisNetto;GesamtpreisBrutto;VersandkostenNetto;VersandkostenBrutto;RabattNetto;RabattBrutto
ArticleList	"order": {"items": "..."}"	ans..2048	C	Mandatory if shopping basket is transmitted: Shopping basket of the customer: - article description (ans—50) - quantity - net article price - gross article price Note on the structure of the article list: <> separates fields in the article data set <+> separates the article data sets Each article is transferred as a complete article data set: ArticleDescription;Quantity; ArticleName; NetArticlePrice;GrossArticlePrice + ArticleDescription; Quantity;ArticleName;NetArticlePrice;GrossArticlePrice	Pflicht, wenn ShoppingBasket angegeben ist: Warenkorb des Kunden: - Artikelbeschreibung (ans—50) - Menge - Artikelpreis netto - Artikelpreis brutto Hinweis zum Aufbau der Artikelliste: <> trennt Felder im Artikeldatensatz <+> trennt die Artikeldatensätze Jeder Artikel wird als kompletter Artikeldatensatz übergeben: Artikelbeschreibung;Anzahl;Artikelname; ArtikelpreisNetto; ArtikelpreisBrutto + Artikelbeschreibung;Anzahl;Artikelname; ArtikelpreisNetto;ArtikelpreisBrutto

Additional parameters for the direct debit connection InterCard via Paygate form

In case of using REST API

In case of using REST API you will always receive a link where the merchant has to redirect the consumer to complete the payment.

REST	Format	CND	Description
"paymentId": "..."	an32	M	May be "00000000000000000000000000000000" if not yet set by Computop Paygate
"_Links.self.type": "..."	an..20	M	"application/json"
"_Links.redirect.href": "..."	an..1024	M	Merchant needs to redirect consumer to this URL to complete payment
"_Links.redirect.type": "..."	an..20	M	"text/html"

Merchant can use inquire.aspx

In case of using Key-Value-Pair API

The following table gives the result parameters which Computop Paygate transmits to **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent **Blowfish encrypted** 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-sensitive

Key	Format	CND	Description
refnr	ns..30	O	Merchant's unique reference number
CodeExt	n..10	O	InterCard error code, only if agreed with Computop Helpdesk
ErrorText	ans..128	C	InterCard error text. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .

MandateID	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgntr	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
PBAN	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number

Key	Format	CND	Description	Beschreibung
CodeExt	n..10	O	InterCard error code, only if agreed with Computop Helpdesk	Fehlercode von InterCard, wenn mit Computop Helpdesk abgesprochen
ErrorText	ans..128	C	InterCard error text. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .	Fehlertext von InterCard. Hinweis: Wird nur bei Status=FAILED zurückgegeben. Nutzung nur in Abstimmung mit dem Computop Helpdesk möglich.

Key	Format	CND	Description	Beschreibung
MandateID	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket	für SEPA: SEPA-Mandatsnummer (Pflicht bei SEPA) sollte eindeutig sein, ist nicht case-sensitive Zulässige Zeichen: Ziffern 0-9, Großbuchstaben A-Z, Kleinbuchstaben a-z, Apostroph, Doppelpunkt, Fragezeichen, Komma, Punkt, Pluszeichen, Minuszeichen, Schrägstrich, linke und rechte Klammer

Key	Format	CND	Description	Beschreibung
DtOfSgntr	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)	für SEPA: Datum der Mandatserteilung im Format DD.MM.YYYY (Pflicht bei Übergabe von MandateID)

Key	Format	CND	Description	Beschreibung
PBAN	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number	für SEPA: PseudoBankNumber. Die letzten drei Stellen sind identisch zu den letzten drei Stellen der IBAN

Additional result parameters for URLNotify, URLSuccess and URLFailure in case of InterCard connection

PPRO

Besides general parameters for direct debit connection via PPRO additionally the following parameters need to be transmitted via form.

Notice: Please remind that the standard parameter OrderDesc will not be forwarded with PPRO.

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

Key	REST	Format	CND	Description
RefNr	"referenceNumber": "..."	ans..40	O	Merchant's unique reference number. Only characters a-zA-Z0-9,-_ are allowed. When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
SellingPoint		ans..50	O	Selling point
Service		ans..50	O	products or service sold
Channel	"channel": {"code": "..."}"	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.
Language	"language": "..."	a2	O	2-letter language code (e.g. de) that should be preferred when presenting payment pages to the consumer
Email	"billing": {"contactInfo": { "email": "..."} }	ans..100	M	E-Mail address of account holder
Customer ID	"billing": {"consumer": { "consumerId": "..."} }	ans..30	O	Customer number

AddrCountryCode	"billing": {"addressInfo": { "country": { "A2"= "..." } } }	a2	M	Two characters country code according to ISO 3166
MdtSeqType	payment": {"directDebitForm": { "mandate": {"mandateSequenceType": "..." } } }	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)

Key	Format	CND	Description	Beschreibung
SellingPoint	ans..50	O	Selling point	Verkaufsstelle

Key	Format	CND	Description	Beschreibung
Service	ans..50	O	products or service sold	verkaufte Produkte oder Dienstleistung

Key	REST	Format	CND	Description	Beschreibung
Channel	"channel": {"code": "..." }	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.	Konfigurationskanal des PPRO-Vertrags (Account und ContractID sind im System hinterlegt). Wenn vorhanden, überschreibt er den eventuell im System hinterlegten Channel.

Key	REST	Format	CND	Description	Beschreibung
Language	"language": "..."	a2	O	2-letter language code (e.g. de) that should be preferred when presenting payment pages to the consumer	2-stelliger Sprachcode (z.B. de), der für die Zahlungsseiten für den Kunden bevorzugt werden soll
Email	"billing": {"contactInfo": { "email": "..." } }	ans..100	M	E-Mail address of account holder	E-Mail-Adresse des Kontoinhabers
CustomerId	"billing": {"consumer": { "consumerId": "..." } }	ans..30	O	Customer number	Kundennummer
AddrCountryCode	"billing": {"addressInfo": { "country": { "A2"= "..." } } }	a2	M	Two characters country code according to ISO 3166	Ländercode zweistellig gemäß ISO 3166

Key	REST	Format	CND	Description	Beschreibung
MdtSeqType	payment": {"directDebitForm": { "mandate": {"mandateSequenceType": "..." } } }	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)	für SEPA: Gibt an, ob es sich um eine Erst-, Folge-, Einmal- oder letztmalige Lastschrift handelt. Zulässige Werte: FRST, RCUR, OOFF, FNAL Standard: OOFF (Einmal-Lastschrift)

Additional parameters for the direct debit connection PPRO via Paygate form

In case of using REST API

In case of using REST API you will always receive a link where the merchant has to redirect the consumer to complete the payment.

REST	Format	CND	Description
"paymentId": "..."	an32	M	May be "00000000000000000000000000000000" if not yet set by Computop Paygate
"_Links.self.type": "..."	an..20	M	"application/json"
"_Links.redirect.href": "..."	an..1024	M	Merchant needs to redirect consumer to this URL to complete payment
"_Links.redirect.type": "..."	an..20	M	"text/html"

Merchant can use inquire.aspx

In case of using Key-Value-Pair API

The following table gives the result parameters which Computop Paygate transmits to **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent **Blowfish encrypted** 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-sensitive

Key	Format	CND	Description								
RefNr	ans..40	O	Merchant's unique reference number. Only characters a-zA-Z0-9,-_ are allowed.								
MandateID	ans..35	O	for SEPA: SEPA mandate number								
PaymentPurpose	ans..26	O	Purpose of payment								
PaymentGuarantee	a..12	C	<table><tr><th>Value</th><th>Description</th></tr><tr><td>NONE</td><td>no payment guarantee</td></tr><tr><td>VALIDATED</td><td>customer account valid, but no payment guarantee</td></tr><tr><td>FULL</td><td>payment guarantee</td></tr></table> Notice: This parameter is only returned if the Status=OK.	Value	Description	NONE	no payment guarantee	VALIDATED	customer account valid, but no payment guarantee	FULL	payment guarantee
Value	Description										
NONE	no payment guarantee										
VALIDATED	customer account valid, but no payment guarantee										
FULL	payment guarantee										
ErrorText	ans..128	C	Detailed PPRO error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk.								
TransactionID	an..20	O	Unique transaction number with PPRO								

Key	Format	CND	Description	Beschreibung
PaymentPurpose	ans..26	O	Purpose of payment	Zahlungszweck

Key	Format	CND	Description		Beschreibung	
PaymentGuarantee	a..12	C	Value	Description	Wert	Beschreibung
			NONE	no payment guarantee	NONE	keine Zahlungsgarantie
			VALIDATED	customer account valid, but no payment guarantee	VALIDATED	Kundenkonto valide, aber keine Zahlungsgarantie
			FULL	payment guarantee	FULL	Zahlungsgarantie
			Notice: This parameter is only returned if the Status=OK.		Hinweis: Dieser Parameter wird nur zurückgegeben, falls der Status=OK ist.	

Key	Format	CND	Description	Beschreibung
ErrorText	ans..128	C	Detailed PPRO error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .	Detaillierte PPRO Fehlermeldung. Hinweis: Wird nur bei Status=FAILED zurückgegeben. Nutzung nur in Abstimmung mit dem Computop Helpdesk möglich.

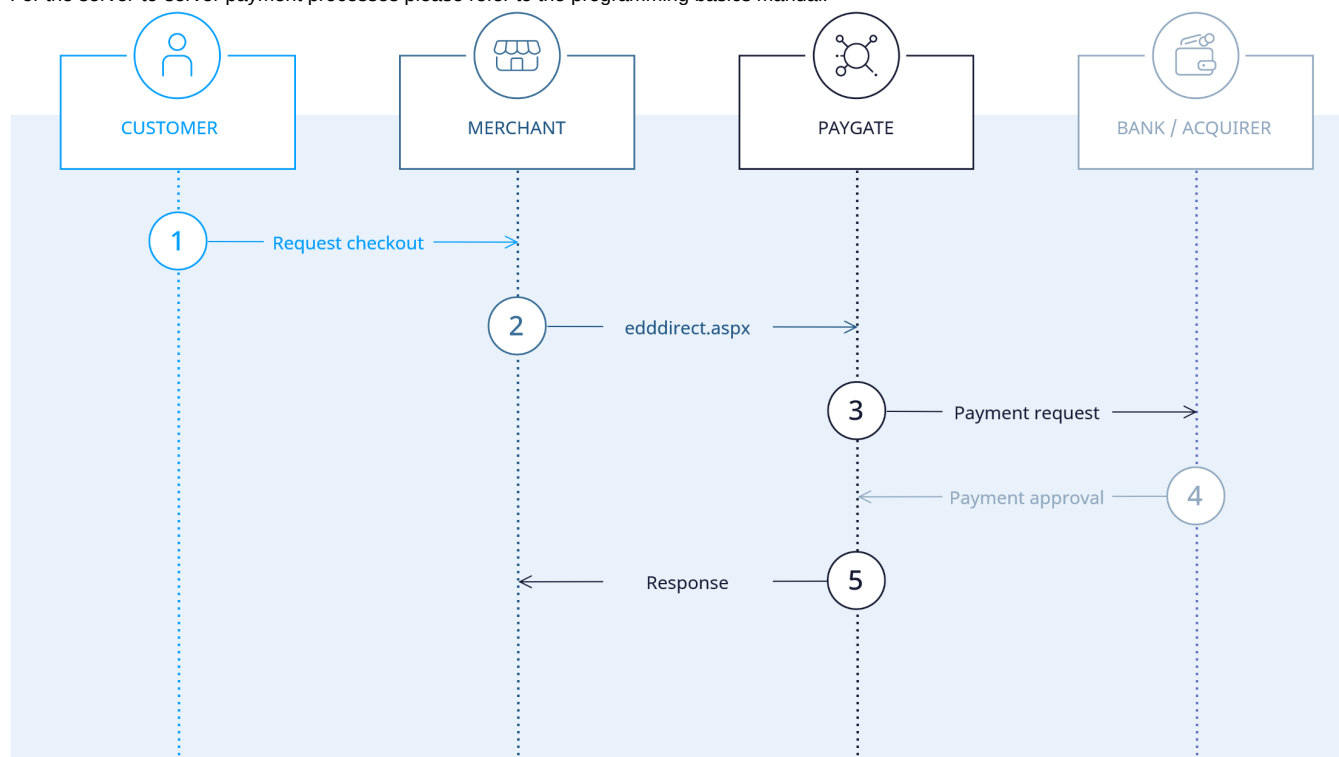
Key	Format	CND	Description	Beschreibung
TransactionID	an..20	O	Unique transaction number with PPRO	Eindeutige Transaktionsnummer bei PPRO

Additional result parameters for URLNotify, URLSuccess and URLFailure in case of PPRO connection

Paygate interface: via Server-to-Server

Chart of process flow via Server-to-Server

For the server-to-server payment processes please refer to the programming basics manual.



Process flow of a direct debit payment via server-to-server interface

Call of interface: general parameters

The interface for direct debit payments is edddirect.aspx for all connections. To carry out an electronic direct debit via a Server-to-Server connection, please use the following URL:

<https://www.computop-paygate.com/edddirect.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	REST	Format	CND	Description
MerchantID	BasicAuth. Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
TransID	"transactionId": "..."	ans..64	M	TransactionID which should be unique for each payment When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	"amount": { "currency": "..."} "currency": "..."	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)

AccBank	"payment": { "directDebit": { "account": {"name": "..."} } }	ans..20	O	Bank name								
Account owner	"payment": { "directDebit": { "account": {"accountHolder": "..."} } }	a..50	M	Account holder								
IBAN	"payment": { "directDebit": { "account": {"number": "..."} } }	ans..34	M	International Bank Account Number								
BIC	"payment": { "directDebit": { "account": {"code": "..."} } }	ans..11	O	Bank Identifier Code								
ReqId	"requestId": "..."	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.								
UserData	"metadata [userData]": "..."	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.								
Capture	"capture": { "auto": "Yes"} "capture": { "manual": "Yes"} "capture": ...	an..6	OM	Determines the type and time of capture. <table><tr><th>Capture Mode</th><th>Description</th></tr><tr><td>AUTO</td><td>Capturing immediately after authorisation (default value).</td></tr><tr><td>MANUAL</td><td>Capturing made by the merchant. Capture is normally initiated at time of delivery.</td></tr><tr><td><Number></td><td>Delay in hours until the capture (whole number; 1 to 696).</td></tr></table>	Capture Mode	Description	AUTO	Capturing immediately after authorisation (default value).	MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.	<Number>	Delay in hours until the capture (whole number; 1 to 696).
Capture Mode	Description											
AUTO	Capturing immediately after authorisation (default value).											
MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.											
<Number>	Delay in hours until the capture (whole number; 1 to 696).											

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID which should be unique for each payment When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.	TransaktionsID, die für jede Zahlung eindeutig sein muss Bei Nutzung von Automandat (Befüllen von MandateID mit TransID oder RefNr) gilt der erlaubte Zeichensatz des Parameters MandateID.

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk, if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
Currency	"amount": { "currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	REST	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	REST	Format	CND	Description	Beschreibung
AccBank	"payment": { "directDebit": { "account": { "name"= "..." } } }	ans..20	O	Bank name	Bezeichnung der Bank
AccOwner	"payment": { "directDebit": { "account": { "accountHolder"= "..." } } }	a..50	M	Account holder	Kontoinhaber
IBAN	"payment": { "directDebit": { "account": { "number"= "..." } } }	ans..34	M	International Bank Account Number	International Bank Account Number
BIC	"payment": { "directDebit": { "account": { "code"= "..." } } }	ans..11	O	Bank Identifier Code	Bank Identifier Code

Key	REST	Format	CND	Description	Beschreibung
ReqID	"requestId": "..."	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.

Key	REST	Format	CND	Description	Beschreibung
UserData	"metadata [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.

Key	REST	Format	CND	Description	Beschreibung		
Capture	<pre>"capture": { "auto": "Yes" "capture": { "manual": "Yes" "capture": ...</pre>	an..6	OM	Determines the type and time of capture.	Bestimmt Art und Zeitpunkt der Buchung (engl. Capture).		
				Capture Mode	Description	Buchungsart	Beschreibung
				AUTO	Capturing immediately after authorisation (default value).	AUTO	Buchung sofort nach Autorisierung (Standardwert).
				MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.	MANUAL	Buchung erfolgt durch den Händler - in der Regel die Buchung zum Zeitpunkt der Warenauslieferung bzw. Leistungserbringung.
				<Number>	Delay in hours until the capture (whole number; 1 to 696).	<Zahl>	Verzögerung in Stunden bis zur Buchung (ganze Zahl; 1 bis 696).

General parameters for direct debit payments via socket connection

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	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	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	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment

Status	"status": "OK" "status": "PENDING" "status": "FAILED"	a..50	M	OK or PENDING (URLSuccess) as well as FAILED (URLFailure)
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description on but the Code parameter for the transaction status analysis!
Code	"code": ...	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
UserData	"metadata[userData]": "..."	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
IBAN	"payment": { "bankAccountNumber": "..."}"	ans..34	O	International Bank Account Number
BIC	"payment": { "bankIdentifierCode": "..."}"	ans..11	OC	Only in the case of PBAN creation: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
AccountOwner	"payment": { "accountHolderName": "..."}"	ans..50	OC	Only in the case of PBAN creation: Account holder
AccountBank	"payment": { "bankName": "..."}"	ans..20	OC	Only in the case of PBAN creation: Name of the bank
PBAN	"payment": { "pseudoBankNumber": "..."}"	ans..27	O	Only in the case of PBAN creation: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
MandateID	"payment": { "mandateId": "..."}"	ans..35	O	SEPA mandate number
DateOfSignature	"payment": { "directDebitForm": { "mandate": { "dateOfSignature": "..."} } }	ans..10	O	For SEPA: Date of issuing the mandate in the format DD.MM.YYYY

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	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	REST	Format	CND	Description	Beschreibung
XID	"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	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	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	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "PENDING" "status": "FAILED"	a..50	M	OK or PENDING (URLSuccess) as well as FAILED (URLFailure)	OK oder PENDING (URLSuccess) sowie FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"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	REST	Format	CND	Description	Beschreibung
Code	"code": ...	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung
UserData	"metadata[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.

Key	REST	Format	CND	Description	Beschreibung
IBAN	"payment": { "bankAccountNumber": "..."} }	ans..34	O	International Bank Account Number	International Bank Account Number
BIC	"payment": { "bankIdentifierCode": "..."} }	ans..11	OC	Only in the case of PBAN creation: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number	nur bei PBAN-Erzeugung: PseudoBankNumber. Die letzten drei Stellen sind identisch zu den letzten drei Stellen der IBAN
AccOwner	"payment": { "accountHolderName": "..."} }	ans..50	OC	Only in the case of PBAN creation: Account holder	nur bei PBAN-Erzeugung: Kontoinhaber
AccBank	"payment": { "bankName": "..."} }	ans..20	OC	Only in the case of PBAN creation: Name of the bank	nur bei PBAN-Erzeugung: Bezeichnung der Bank
PBAN	"payment": { "pseudoBankNumber": "..."} }	ans..27	O	Only in the case of PBAN creation: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number	nur bei PBAN-Erzeugung: PseudoBankNumber. Die letzten drei Stellen sind identisch zu den letzten drei Stellen der IBAN
MandateID	"payment": { "mandateId": "..."} }	ans..35	O	SEPA mandate number	SEPA-Mandatsnummer

Key	REST	Format	CND	Description	Beschreibung
DtOfSgntr	"payment": { "directDebitForm": { "mandate": { "dateOfSignature": "..."} } }	ans..10	O	For SEPA: Date of issuing the mandate in the format DD.MM.YYYY	Für SEPA: Datum der Mandatserteilung im Format TT.MM.JJJJ

General response parameters for direct debit payments via socket connection

Direct connection

Besides the general parameters described above for the direct debit connection, the following parameters are to be transmitted via server-to-server connection.

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

Key	REST	Format	CND	Description
MandateID	"payment": { "mandateId": "..."} "payment": { "directDebitForm": { "mandate": { "mandateId": "..."} } }	ans..35	M	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgntr	"payment": { "directDebitForm": { "mandate": { "dateOfSignature": "..."} } }	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
MdtSeqType	"payment": { "directDebitForm": { "mandate": { "mandateSequenceType": "..."} } }	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
PBAN	"payment": { "pseudoBankNumber": "..."} "payment": { "directDebitForm": { "account": { "pseudoBankNumber": "..."} } }	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
UserData	"metadata[userData]": "..."	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
OrderDesc	"order": { "description[0]": "..."} }	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.
OrderDesc2	"order": { "description[1]": "..."} }	ans..384	M	2. Goods description which appears on the account extract (27 characters). You can view the full data in Computop Analytics.
Key	REST	Format	CND	Additional parameters in case of activated DEVICERECOGNITION
DeviceID	"device": { "deviceId": "..."} }	ans..50	O	Unique Device-ID

DRConfidence	"device": { "confidence": ...}	n..3	O	Allocation quote 0-100 (0=no allocation, 100=absolutely safe allocation)
DRNewDevice	"device": { "newDevice": "true"} "device": { "newDevice": "false"}	ans..5	O	True / false
DRAnonymousUsed	"device": { "isAnonymousProxyUsed": "true"} "device": { "isAnonymousProxyUsed": "false"}	ans..5	O	True / false
DRProxyUsed	"device": { "isProxyUsed": "true"} "device": { "isProxyUsed": "false"}	ans..5	O	True / false
DRCountryCode	"device": { "country": "..."}	a2	O	Country code, 2 characters according to ISO 3166, retrieved from geolocation data, e.g. DE
DRCity	"device": { "city": "..."}	ans..50	O	City, retrieved from geolocation data, e.g. Frankfurt
DRLatitude	"device": { "latitude": "..."}	ans..50	O	Geographic latitude, retrieved from geolocation data, e.g. 13.754
DRLongitude	"device": { "longitude": "..."}	ans..50	O	Geographic longitude, retrieved from geolocation data, e.g. 100.5014
DRFS	"device": { "fraudScore": ...}	n..3	O	Fraud score 0-100 (0=low fraud probability, 100=high fraud probability)
DRFSRuleMatch	"device": { "fraudScoreRules": "..."}	ans..1024	O	Rules for allocation to fraud score
DRBrowserLanguages	"device": { "browserLanguages": "..."}	ans..255	O	List of browser languages
DRIsMobileDevice	"device": { "iMobileDevice": "true"} "device": { "iMobileDevice": "false"}	ans..5	O	True / false
Fraud	"device": { "fraud": "..."}	ans..50	O	e.g. Fraud, Suspicion, NoFraud

Key	REST	Format	CND	Description	Beschreibung
DtOfSgntr	"payment": { "directDebitForm": { "mandate": { "dateOfSignature": "..." } } }	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)	für SEPA: Datum der Mandatserteilung im Format DD.MM.YYYY (Pflicht bei Übergabe von MandateID)

Key	REST	Format	CND	Description	Beschreibung
MdtSeqType	payment": { "directDebitForm": { "mandate": { "mandateSequenceType": "..." } } }	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)	für SEPA: Gibt an, ob es sich um eine Erst-, Folge-, Einmal- oder letztmalige Lastschrift handelt. Zulässige Werte: FRST, RCUR, OOFF, FNAL Standard: OOFF (Einmal-Lastschrift)

Key	REST	Format	CND	Description	Beschreibung
PBAN	"payment": { "pseudoBankNumber": "..." } "payment": { "directDebit": { "account": { "pseudoBankNumber": "..." } } }	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number	für SEPA: PseudoBankNumber. Die letzten drei Stellen sind identisch zu den letzten drei Stellen der IBAN

Key	REST	Format	CND	Description	Beschreibung
UserData	"metadata [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.

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
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Order Desc	"order": { "description [0]": "..."} }	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.	Beschreibung der gekauften Waren, Einzelpreise etc. Die ersten 27 Zeichen erscheinen auf dem Kontoauszug des Kunden. In Computop Analytics können Sie die kompletten Daten einsehen.
Order Desc2	"order": { "description [1]": "..."} }	ans..384	M	2. Goods description which appears on the account extract (27 characters). You can view the full data in Computop Analytics.	2. Zeile der Warenbeschreibung, die auf dem Kontoauszug erscheint (27 Zeichen). In Computop Analytics können Sie die kompletten Daten einsehen.
Key	REST	Format	CND	Additional parameters in case of activated DEVICERECOGNITION	Zusätzliche Parameter bei aktivierter DEVICERECOGNITION
Device ID	"device": { "deviceid": "..."} }	ans..50	O	Unique Device-ID	Eindeutige Geräte-ID
DRConfidence	"device": { "confidence": ...} }	n..3	O	Allocation quote 0-100 (0=no allocation, 100=absolutely safe allocation)	Zuordnungsquote 0-100 (0=keine Zuordnung, 100=absolut sichere Zuordnung)
DRNewDevice	"device": { "newDevice": "true"} "device": { "newDevice": "false"} }	ans..5	O	True / false	True / false
DRAnonymousProxyUsed	"device": { "isAnonymousProxyUsed": "true"} "device": { "isAnonymousProxyUsed": "false"} }	ans..5	O	True / false	True / false
DRProxyUsed	"device": { "isProxyUsed": "true"} "device": { "isProxyUsed": "false"} }	ans..5	O	True / false	True / false
DRCountryCode	"device": { "country": "..."} }	a2	O	Country code, 2 characters according to ISO 3166, retrieved from geolocation data, e.g. DE	Ländercode zweistellig gemäß ISO 3166, ermittelt aus Geolocation-Daten, z.B. DE
DRCity	"device": { "city": "..."} }	ans..50	O	City, retrieved from geolocation data, e.g. Frankfurt	Stadt, ermittelt aus Geolocation-Daten, z.B. Frankfurt
DRLatitude	"device": { "latitude": "..."} }	ans..50	O	Geographic latitude, retrieved from geolocation data, e.g. 13.754	Geografische Breite, ermittelt aus Geolocation-Daten, z.B. 13,754
DRLongitude	"device": { "longitude": "..."} }	ans..50	O	Geographic longitude, retrieved from geolocation data, e.g. 100.5014	Geografische Länge, ermittelt aus Geolocation-Daten, z.B. 100,5014
DRFS	"device": { "fraudScore": ...} }	n..3	O	Fraud score 0-100 (0=low fraud probability, 100=high fraud probability)	Fraudscore, 0-100 (0=geringe Betrugswahrscheinlichkeit, 100=hohe Betrugswahrscheinlichkeit)
DRFSRuleMatch	"device": { "fraudScoreRules": "..."} }	ans..1024	O	Rules for allocation to fraud score	Regeln, die der Zuordnung zum Fraudscore dienen
DRBrowserLanguages	"device": { "browserLanguages": "..."} }	ans..255	O	List of browser languages	Liste der am Browser hinterlegten Sprachen
DRIsMobileDevice	"device": { "iMobileDevice": "true"} "device": { "iMobileDevice": "false"} }	ans..5	O	True / false	True / false
Fraud	"device": { "fraud": "..."} }	ans..50	O	e.g. Fraud, Suspicion, NoFraud	z.B. Fraud, Suspicion, NoFraud

Additional parameters for direct debit payments via socket connection for the direct connection

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-sensitive

Key	REST	Format	CND	Description
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
MdtSeqType	"payment": {"directDebitForm": { "mandate": {"mandateSequenceType": "..."} }}	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)

Key	REST	Format	CND	Description	Beschreibung
MdtSeqType	"payment": {"directDebitForm": { "mandate": {"mandateSequenceType": "..."} }}	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)	für SEPA: Gibt an, ob es sich um eine Erst-, Folge-, Einmal- oder letztmalige Lastschrift handelt. Zulässige Werte: FRST, RCUR, OOFF, FNAL Standard: OOFF (Einmal-Lastschrift)

Additional response parameters for direct debit payments via socket connection for the direct connection

EVO Payments

Besides the general parameters described above for the connection EVO Payments to direct debit, the following parameters are to be transmitted via server-to-server connection.

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

Key	REST	Format	CND	Description
EDDM ethod	"payment": {"method": "..."} 	a3	O	Direct debit in Germany:=ELV, Netherlands=ENL, Austria=EEV
Order Desc	"order": {"description[0]": "..."} 	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.
Order Desc2	"order": {"description[1]": "..."} 	ans..384	M	2. Goods description which appears on the account extract (27 characters). You can view the full data in Computop Analytics.
SubSe qType	"payment": {"directDebitForm": { "mandate": {"subSequenceType": "..." }}} 	a4	O	for SEPA: indicates type of (following) direct debit (FRST, RCUR, OOFF, FNAL permissible)
DebitD elay	"payment": {"directDebitForm": { "debitDelay": ... } } 	n..3	M	for SEPA: Number of bank working days >0 which has to be added for the execution date of direct debit
Credit Delay	"payment": {"directDebitForm": { "creditDelay": ... } } 	n..3	O	for SEPA: Number of bank working days >0 which has to be added for the execution date of a credit
Manda telD	"payment": { "mandateId": "..."} "payment": {"directDebitForm": { "mandate": {"mandateId": "..."} }} 	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfS gntr	"payment": {"directDebitForm": { "mandate": {"dateOfSignature": "..."} }} 	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
MdtSe qType	payment": {"directDebitForm": { "mandate": {"mandateSequenceType": "..."} }} 	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
PBAN	"payment": { "pseudoBankNumber": "..."} "payment": {"directDebit": { "account": {"pseudoBankNumber": "..."} }} 	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
EDDM ethod	"payment": {"method": "..."} 	a3	O	Direct debit in Germany:=ELV, Netherlands=ENL, Austria=EEV
Order Desc	"order": {"description[0]": "..."} 	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.
Order Desc2	"order": {"description[1]": "..."} 	ans..384	M	2. Goods description which appears on the account extract (27 characters). You can view the full data in Computop Analytics.
SubSe qType	"payment": {"directDebitForm": { "mandate": {"subSequenceType": "..." }}} 	a4	O	for SEPA: indicates type of (following) direct debit (FRST, RCUR, OOFF, FNAL permissible)
DebitD elay	"payment": {"directDebitForm": { "debitDelay": ... } } 	n..3	M	for SEPA: Number of bank working days >0 which has to be added for the execution date of direct debit
Credit Delay	"payment": {"directDebitForm": { "creditDelay": ... } } 	n..3	O	for SEPA: Number of bank working days >0 which has to be added for the execution date of a credit
Manda telD	"payment": { "mandateId": "..."} "payment": {"directDebitForm": { "mandate": {"mandateId": "..."} }} 	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfS gntr	"payment": {"directDebitForm": { "mandate": {"dateOfSignature": "..."} }} 	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
MdtSe qType	payment": {"directDebitForm": { "mandate": {"mandateSequenceType": "..."} }} 	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
PBAN	"payment": { "pseudoBankNumber": "..."} "payment": {"directDebit": { "account": {"pseudoBankNumber": "..."} }} 	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number

Additional parameters for direct debit payments via socket connection for the connection EVO 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-sensitive

Key	REST	Format	CND	Description
MdtSeqType	"payment": {"directDebitForm": { "mandate": {"mandateSequenceType": "..."} }}	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)

Additional response parameters for direct debit payments via socket connection for the connection EVO Payments

InterCard

Direct debit via InterCard does not offer payment protection. If you want to use a direct debit with payment protection, you must order and implement the payment method [PayMorrow](#) from InterCard.

Besides the general parameters described above for the connection InterCard to direct debit, the following parameters are to be transmitted via server-to-server connection.

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

Key	REST	Format	CND	Description
MandateID	"payment": { "mandateId": "..."} "payment": {"directDebitForm": { "mandate": {"mandateId": "..."} }}	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgntr	"payment": {"directDebitForm": { "mandate": {"dateOfSignature": "..."} }}	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
PBAN	"payment": { "pseudoBankNumber": "..."} "payment": {"directDebit": { "account": {"pseudoBankNumber": "..."} }}	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
OrderDesc	"order": {"description[0]": "..."} "	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.
RefNr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
CustomerID	"billing": {"consumer": { "consumerId": "..."} }}	ans..30	M	Customer number at the merchant
DateOfRegistration	"accountInfo": {"creationDate": "..."} "	dtm8	O	Customer since in the format YYYYMMDD
CustomerClassification		ans..20	O	(business / private)
eMail	"billing": {"contactInfo": { "email": "..."} }}	ans..80	O	E-mail address
DateOfBirth	"billing": {"consumer": { "birthDate": "..."} }}	dtm8	O	Date of birth in the format YYYYMMDD
bdSalutation	"billing": {"consumer": { "salutation": "..."} }}	ans..4	O	Salutation of the invoicing address
bdFirstName	"billing": {"consumer": { "firstName": "..."} }}	ans..30	M	First name of the invoicing address

bdLastName	"billing": {"consumer": { "lastName": "... " }}	ans..30	M	Last name of the invoicing address
bdStreet	"billing": {"addressInfo": { "addressLine1": {"street": "... " }}}	a..50	M	Street name of the invoicing address
bdStreetNr	"billing": {"addressInfo": { "addressLine1": {"streetNumber": "... " }}}	ans..5	M	Street number of the invoicing address
bdCountryCode	"billing": {"addressInfo": { "country": {"A2": "... " }}}	a2	O	Country code in the invoicing address, 2 characters according to ISO 3166
bdZip	"billing": {"addressInfo": { "postalCode": "... " }}	n..5	M	Postcode of the invoicing address
bdCity	"billing": {"addressInfo": { "city": "... " }}	a..32	M	Town or city of the invoicing address
bdPhone	"billing": {"contactInfo": { "phone": "... " }}	ans..15	O	Phone number in the invoicing address
bdFax	"billing": {"contactInfo": { "fax": "... " }}	ans..20	O	Fax number of the invoicing address
bdMaidenName	"billing": {"consumer": { "maidenName": "... " }}	ans..30	O	Maiden name of the invoicing address
UseBillingData		a..3	O	Is the invoicing address to be used as the delivery address? <Yes> or <No>. If <Yes> no parameters are transferred for the delivery address, if <No> they are obligatory. Standard=Yes
sdSalutation	"shipping": {"consumer": { "salutation": "... " }}	ans...4	O	Salutation in the delivery address
sdFirstName	"shipping": {"consumer": { "firstName": "... " }}	ans..30	O	First name in the delivery address
sdLastName	"shipping": {"consumer": { "lastName": "... " }}	ans..30	O	Last name in the delivery address
sdStreet	"shipping": {"addressInfo": { "addressLine1": {"street": "... " }}}	a..50	O	Street in the delivery address
sdStreetNr	"shipping": {"addressInfo": { "addressLine1": {"streetNumber": "... " }}}	ans..5	O	Street number of the delivery address
sdCountryCode	"shipping": {"addressInfo": { "country": {"A2": "... " }}}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166
sdZip	"shipping": {"addressInfo": { "postalCode": "... " }}	n..5	O	Postcode in the delivery address
sdCity	"shipping": {"addressInfo": { "city": "... " }}	a..50	O	Town/city in the delivery address
RegularCustomerIndicator		a..5	O	Regular customer (true / false)
ShoppingBasket		ans..1024	O	Customer order information (prices each in the smallest currency unit): - invoice number / order number - total net price, numerical - total gross price - net shipping costs - gross shipping costs - net discount - gross discount <;> separates the fields in the shopping basket Example: InvoiceNumber;TotalNetPrice;TotalGrossPrice;NetShippingCosts;GrossShippingCosts;NetDiscount;GrossDiscount

ArticleList	"order": {"items": "..."} 	ans..2048	C	Mandatory if shopping basket is transmitted: Shopping basket of the customer: - article description (ans—50) - quantity - net article price - gross article price Note on the structure of the article list: <> separates fields in the article data set <+> separates the article data sets Each article is transferred as a complete article data set: ArticleDescription;Quantity; ArticleName; NetArticlePrice;GrossArticlePrice + ArtcleDescription;Quantity;ArticleName;NetArticlePrice;GrossArticlePrice
MandateID	"payment": { "mandateId": "..."} "payment": {"directDebitForm": { "mandate": { "mandateId"= "..."} }}	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgntr	"payment": { "directDebitForm": { "mandate": { "dateOfSignature"= "..."} }}	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
PBAN	"payment": { "pseudoBankNumber": "..."} "payment": { "directDebit": { "account": { "pseudoBankNumber"= "..."} }}	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
OrderDesc	"order": { "description[0]": "..."} 	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.
RefNr	"referenceNumber": "..." 	ns..30	O	Merchant's unique reference number When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
CustomerID	"billing": { "consumer": { "consumerId": "..."} }}	ans..30	M	Customer number at the merchant
DateOfRegi stration	"accountInfo": { "creationDate": "..."} 	dtm8	O	Customer since in the format YYYYMMDD
CustomerCl assification		ans..20	O	(business / private)
eMail	"billing": { "contactInfo": { "email": "..."} }}	ans..80	O	E-mail address
DateOfBirth	"billing": { "consumer": { "birthDate": "..."} }}	dtm8	O	Date of birth in the format YYYYMMDD
bdSalutation	"billing": { "consumer": { "salutation": "..."} }}	ans...4	O	Salutation of the invoicing address
bdFirstName	"billing": { "consumer": { "firstName": "..."} }}	ans..30	M	First name of the invoicing address
bdLastName	"billing": { "consumer": { "lastName": "..."} }}	ans..30	M	Last name of the invoicing address
bdStreet	"billing": { "addressInfo": { "addressLine1": { "street"= "..."} }}	a..50	M	Street name of the invoicing address
bdStreetNr	"billing": { "addressInfo": { "addressLine1": { "streetNumber"= "..."} }}	ans..5	M	Street number of the invoicing address
bdCountryC ode	"billing": { "addressInfo": { "country": {"A2"= "..."} }}	a2	O	Country code in the invoicing address, 2 characters according to ISO 3166
bdZip	"billing": { "addressInfo": { "postalCode": "..."} }}	n..5	M	Postcode of the invoicing address
bdCity	"billing": { "addressInfo": { "city": "... "} }}	a..32	M	Town or city of the invoicing address
bdPhone	"billing": { "contactInfo": { "phone": "..."} }}	ans..15	O	Phone number in the invoicing address

bdFax	"billing": {"contactInfo": { "fax": "..." }}	ans..20	O	Fax number of the invoicing address
bdMaidenName	"billing": {"consumer": { "maidenName": "..." }}	ans..30	O	Maiden name of the invoicing address
UseBillingData		a..3	O	Is the invoicing address to be used as the delivery address? <Yes> or <No>. If <Yes> no parameters are transferred for the delivery address, if <No> they are obligatory. Standard=Yes
sdSalutation	"shipping": {"consumer": { "salutation": "..." }}	ans...4	O	Salutation in the delivery address
sdFirstName	"shipping": {"consumer": { "firstName": "..." }}	ans..30	O	First name in the delivery address
sdLastName	"shipping": {"consumer": { "lastName": "..." }}	ans..30	O	Last name in the delivery address
sdStreet	"shipping": {"addressInfo": { "addressLine1": { "street": "..." } }}	a..50	O	Street in the delivery address
sdStreetNr	"shipping": {"addressInfo": { "addressLine1": { "streetNumber": "..." } }}	ans..5	O	Street number of the delivery address
sdCountryCode	"shipping": {"addressInfo": { "country": { "A2": "..." } }}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166
sdZip	"shipping": {"addressInfo": { "postalCode": "..." }}	n..5	O	Postcode in the delivery address
sdCity	"shipping": {"addressInfo": { "city": "..." }}	a..50	O	Town/city in the delivery address
RegularCustomerIndicator		a..5	O	Regular customer (true / false)
ShoppingBasket		ans..1024	O	Customer order information (prices each in the smallest currency unit): - invoice number / order number - total net price, numerical - total gross price - net shipping costs - gross shipping costs - net discount - gross discount <;> separates the fields in the shopping basket Example: InvoiceNumber;TotalNetPrice;TotalGrossPrice;NetShippingCosts;GrossShippingCosts;NetDiscount;GrossDiscount
ArticleList	"order": {"items": "..."}	ans..2048	C	Mandatory if shopping basket is transmitted: Shopping basket of the customer: - article description (ans—50) - quantity - net article price - gross article price Note on the structure of the article list: <;> separates fields in the article data set <+> separates the article data sets Each article is transferred as a complete article data set: ArticleDescription;Quantity; ArticleName; NetArticlePrice;GrossArticlePrice + ArticleDescription;Quantity;ArticleName;NetArticlePrice;GrossArticlePrice

Key	REST	Format	CND	Description	Beschreibung
DtOfSgntr	"payment": {"directDebitForm": { "mandate": { "dateOfSignature": "..." } }}	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)	für SEPA: Datum der Mandatserteilung im Format DD.MM.YYYY (Pflicht bei Übergabe von MandateID)

Key	REST	Format	CND	Description	Beschreibung
PBAN	"payment": { "pseudoBankNumber": "..."} "payment": {"directDebit": { "account": {"pseudoBankNumber" = "..." }}}}	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number	für SEPA: PseudoBankNumber. Die letzten drei Stellen sind identisch zu den letzten drei Stellen der IBAN

Key	REST	Format	CND	Description	Beschreibung
OrderDesc	"order": {"description[0]": "..."} "	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.	Beschreibung der gekauften Waren, Einzelpreise etc. Die ersten 27 Zeichen erscheinen auf dem Kontoauszug des Kunden. In Computop Analytics können Sie die kompletten Daten einsehen.
RefNr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.	Referenznummer des Händlers Bei Nutzung von Automandat (Befüllen von MandateID mit TransID oder RefNr) gilt der erlaubte Zeichensatz des Parameters MandateID.
CustomerID	"billing": {"consumer": { "consumerId": "..."} }	ans..30	M	Customer number at the merchant	Kundennummer beim Händler
DateOfRegistration	"accountInfo": {"creationDate": "..."} "	dtm8	O	Customer since in the format YYYYMMDD	Kunde seit im Format JJJJMMTT
CustomerClassification		ans..20	O	(business / private)	(business / private)
eMail	"billing": {"contactInfo": { "email": "..."} }	ans..80	O	E-mail address	E-Mail-Adresse
DateOfBirth	"billing": {"consumer": { "birthDate": "..."} }	dtm8	O	Date of birth in the format YYYYMMDD	Geburtsdatum im Format JJJJMMTT
bdSalutation	"billing": {"consumer": { "salutation": "..."} }	ans...4	O	Salutation of the invoicing address	Anrede der Rechnungsanschrift
bdFirstName	"billing": {"consumer": { "firstName": "..."} }	ans..30	M	First name of the invoicing address	Vorname der Rechnungsanschrift
bdLastName	"billing": {"consumer": { "lastName": "..."} }	ans..30	M	Last name of the invoicing address	Nachname der Rechnungsanschrift
bdStreet	"billing": {"addressInfo": { "addressLine1": {"street" = "..." }}}}	a..50	M	Street name of the invoicing address	Straßenname der Rechnungsanschrift
bdStreetNr	"billing": {"addressInfo": { "addressLine1": {"streetNumber" = "..." }}}}	ans..5	M	Street number of the invoicing address	Hausnummer der Rechnungsanschrift
bdCountryCode	"billing": {"addressInfo": { "country": {"A2" = "..." }}}}	a2	O	Country code in the invoicing address, 2 characters according to ISO 3166	Ländercode der Rechnungsanschrift, zweistellig gemäß ISO 3166
bdZip	"billing": {"addressInfo": { "postalCode": "..."} }	n..5	M	Postcode of the invoicing address	Postleitzahl der Rechnungsanschrift
bdCity	"billing": {"addressInfo": { "city": "..."} }	a..32	M	Town or city of the invoicing address	Ortsname der Rechnungsanschrift
bdPhone	"billing": {"contactInfo": { "phone": "..."} }	ans..15	O	Phone number in the invoicing address	Telefonnummer der Rechnungsanschrift
bdFax	"billing": {"contactInfo": { "fax": "..."} }	ans..20	O	Fax number of the invoicing address	Faxnummer der Rechnungsanschrift
bdMaidenName	"billing": {"consumer": { "maidenName": "..."} }	ans..30	O	Maiden name of the invoicing address	Geburtsname der Rechnungsanschrift
UseBillingData		a..3	O	Is the invoicing address to be used as the delivery address? <Yes> or <No>. If <Yes> no parameters are transferred for the delivery address, if <No> they are obligatory. Standard=Yes	Soll Rechnungsadresse als Lieferadresse genutzt werden? <Yes> oder <No>. Bei <Yes> werden keine Parameter zur Lieferadresse übergeben, bei <No> sind sie Pflicht. Standard=Yes
sdSalutation	"shipping": {"consumer": { "salutation": "..."} }	ans...4	O	Salutation in the delivery address	Anrede der Lieferadresse
sdFirstName	"shipping": {"consumer": { "firstName": "..."} }	ans..30	O	First name in the delivery address	Vorname der Lieferadresse
sdLastName	"shipping": {"consumer": { "lastName": "..."} }	ans..30	O	Last name in the delivery address	Nachname der Lieferadresse
sdStreet	"shipping": {"addressInfo": { "addressLine1": {"street" = "..." }}}}	a..50	O	Street in the delivery address	Straßenname der Lieferadresse
sdStreetNr	"shipping": {"addressInfo": { "addressLine1": {"streetNumber" = "..." }}}}	ans..5	O	Street number of the delivery address	Hausnummer der Lieferadresse

sdCountryCode	"shipping": { "addressInfo": { "country": { "A2": "..." } } }	a2	O	Country code for the delivery address, 2 characters according to ISO 3166	Ländercode der Lieferadresse, zweistellig gemäß ISO 3166
sdZip	"shipping": { "addressInfo": { "postalCode": "..." } } }	n..5	O	Postcode in the delivery address	Postleitzahl der Lieferadresse
sdCity	"shipping": { "addressInfo": { "city": "..." } } }	a..50	O	Town/city in the delivery address	Ortsname der Lieferadresse
Regular Customer Indicator		a..5	O	Regular customer (true / false)	Stammkunde (true / false)
ShoppingBasket		ans..1024	O	Customer order information (prices each in the smallest currency unit): - invoice number / order number - total net price, numerical - total gross price - net shipping costs - gross shipping costs - net discount - gross discount <> separates the fields in the shopping basket Example: InvoiceNumber;TotalNetPrice; TotalGrossPrice;NetShippingCosts; GrossShippingCosts;NetDiscount;GrossDiscount	Bestellinformation des Kunden (Preise je in kleinster Währungseinheit): - Rechnungsnummer / Bestellnummer - Gesamtpreis netto numerisch - Gesamtpreis brutto - Versandkosten netto - Versandkosten brutto - Rabatt netto - Rabatt brutto <> trennt die Felder im Warenkorb Beispiel: Rechnungsnummer;GesamtpreisNetto; GesamtpreisBrutto;VersandkostenNetto;VersandkostenBrutto; RabattNetto;RabattBrutto
ArticleList	"order": { "items": "..." }	ans..2048	C	Mandatory if shopping basket is transmitted: Shopping basket of the customer: - article description (ans—50) - quantity - net article price - gross article price Note on the structure of the article list: <> separates fields in the article data set <+> separates the article data sets Each article is transferred as a complete article data set: ArticleDescription;Quantity; ArticleName; NetArticlePrice;GrossArticlePrice + ArticleDescription; Quantity;ArticleName;NetArticlePrice;GrossArticlePrice	Pflicht, wenn ShoppingBasket angegeben ist: Warenkorb des Kunden: - Artikelbeschreibung (ans—50) - Menge - Artikelpreis netto - Artikelpreis brutto Hinweis zum Aufbau der Artikelliste: <> trennt Felder im Artikeldatensatz <+> trennt die Artikeldatensätze Jeder Artikel wird als kompletter Artikeldatensatz übergeben: Artikelbeschreibung;Anzahl;Artikelname; ArtikelpreisNetto; ArtikelpreisBrutto + Artikelbeschreibung;Anzahl;Artikelname; ArtikelpreisNetto;ArtikelpreisBrutto

Additional parameters for direct debit payments via socket connection for the connection InterCard

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-sensitive

Key	REST	Format	CND	Description
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
ErrorText		ans..128	O	Error text from InterCard. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .
CodeExt	"externalErrorCode": ...	n3	O	Error code from InterCard. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .

Key	REST	Format	CND	Description	Beschreibung
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ErrorText		ans..128	O	Error text from InterCard. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .	Fehlertext von InterCard. Hinweis: Wird nur bei Status=FAILED zurückgegeben. Nutzung nur in Abstimmung mit dem Computop Helpdesk möglich.
CodeError	"externalError": ...	n3	O	Error code from InterCard. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .	Fehlercode von InterCard. Hinweis: Wird nur bei Status=FAILED zurückgegeben. Nutzung nur in Abstimmung mit dem Computop Helpdesk möglich.

Additional response parameters for direct debit payments via socket connection for the InterCard connection

PPRO

Besides the general parameters described above for the connection PPRO to direct debit, the following parameters are to be transmitted via server-to-server connection.

Notice: Please remind that the standard parameter OrderDesc will not be forwarded with PPRO.

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

Key	REST	Format	CND	Description
MandateID	"payment": { "mandateId": "..."} "payment": { "directDebitForm": { "mandate": { "mandateId": "..."} }}	ans..35	M	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSignature	"payment": { "directDebitForm": { "mandate": { "dateOfSignature": "..."} }}	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
MdtSeqType	"payment": { "directDebitForm": { "mandate": { "mandateSequenceType": "..."} }}	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
MandateURL	"payment": { "directDebit": { "mandate": { "mandateUrl": "..."} }}	ans..512	C	Valid URL pointing to the SEPA mandate, needs to be accessible by PPRO risk and compliance department. Mandatory in case of MdtSeqType = OOFF or FRST
Email	"billing": { "contactInfo": { "email": "..."} }}	ans..100	M	E-Mail address of account holder
AddrCountryCode	"billing": { "addressInfo": { "country": { "A2": "..."} }}	a2	M	Two characters country code according to ISO 3166

Key	REST	Format	CND	Description	Beschreibung
DtOfSignature	"payment": { "directDebitForm": { "mandate": { "dateOfSignature": "..."} }}	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)	für SEPA: Datum der Mandatserteilung im Format DD.MM.YYYY (Pflicht bei Übergabe von MandateID)

Key	REST	Format	CND	Description	Beschreibung
MdtSeqType	"payment": { "directDebitForm": { "mandate": { "mandateSequenceType": "..."} }}	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)	für SEPA: Gibt an, ob es sich um eine Erst-, Folge-, Einmal- oder letztmalige Lastschrift handelt. Zulässige Werte: FRST, RCUR, OOFF, FNAL Standard: OOFF (Einmal-Lastschrift)

Key	REST	Format	CND	Description	Beschreibung
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MandateURL	"payment": {"directDebit": {"mandate": {"mandateUrl": "..."} }}	ans..512	C	Valid URL pointing to the SEPA mandate, needs to be accessible by PPRO risk and compliance department. Mandatory in case of MdtSeqType = OOFF or FRST	Gültige URL, die auf das SEPA-Mandat zeigt. Sie muss für die PPRO-Abteilung für Risiko und Compliance zugänglich sein. Pflicht bei MdtSeqType = OOFF oder FRST
Email	"billing": {"contactInfo": {"email": "..."} }	ans..100	M	E-Mail address of account holder	E-Mail-Adresse des Kontoinhabers
AddrCountryCode	"billing": {"addressInfo": {"country": {"A2": "..."} }}	a2	M	Two characters country code according to ISO 3166	Ländercode zweistellig gemäß ISO 3166

Additional parameters for direct debit payments via socket connection for the connection PPRO

Capture / Credit / Reversal

Capture

Captures are possible via a Server-to-Server connection. To perform a capture via a Server-to-Server connection please use the following URL:

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

Notice: Separate captures are not possible with the PPRO connection because all transactions are carried out directly as sale transactions.

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	REST	Format	CND	Description
MerchantID	BasicAuth.Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment to be captured
TransID	"transactionId": "..."	ans..64	M	ID assigned by Merchant for the payment process to be captured
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
Amount	"amount": {"value": "..."}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	"amount": {"currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
ReqID	"requestId": "..."	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.
MandateID	"payment": {"mandateId": "..."} "payment": {"directDebitForm": {"mandate": {"mandateId": "..."} }}	ans..35	O	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgntr	"payment": {"directDebitForm": {"mandate": {"dateOfSignature": "..."} }}	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment to be captured	Vom Paygate vergebene ID für die zu buchende Zahlung

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	ID assigned by Merchant for the payment process to be captured	Vom Händler initial vergebene ID für den zu buchenden Zahlungsvorgang

Key	REST	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	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
Currency	"amount": { "currency": "..."} "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
ReqID	"requestId": "..."	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.

Key	REST	Format	CND	Description	Beschreibung
MandateID	"payment": { "mandateId": "..."} "payment": { "directDebitForm": { "mandate": { "mandateId": "..." }}} }}	ans..35	O	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket	für SEPA: SEPA-Mandatsnummer (Pflicht bei SEPA) sollte eindeutig sein, ist nicht case-sensitive Zulässige Zeichen: Ziffern 0-9, Großbuchstaben A-Z, Kleinbuchstaben a-z, Apostroph, Doppelpunkt, Fragezeichen, Komma, Punkt, Pluszeichen, Minuszeichen, Schrägstrich, linke und rechte Klammer

Key	REST	Format	CND	Description	Beschreibung
DateOfSignature	"payment": { "directDebitForm": { "mandate": { "dateOfSignature": "..." }}} }}	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)	für SEPA: Datum der Mandatserteilung im Format DD.MM.YYYY (Pflicht bei Übergabe von MandateID)

Parameters for captures of direct debit payments

The following table describes the result parameters with which the Computop Paygate responds to your system

i pls. be prepared to receive additional parameters at any time and do not check the order of parameters

i the key (e.g. MerchantId, RefNr) should not be checked case-sensitive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	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	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"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	"code": ...	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	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	REST	Format	CND	Description	Beschreibung
XID	"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	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	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	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"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	REST	Format	CND	Description	Beschreibung
Code	"code": ...	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Response parameters for captures of direct debit payments

Credit with reference

Credits (refunds) are possible via a Server-to-Server connection. Paygate permits credits which relate to a capture previously activated by Paygate and allows merchants to carry out credits without a reference transaction. This section describes the processing of credits with reference transactions. If you refer to a capture for a Credit, 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	REST	Format	CND	Description
MerchantID	BasicAuth.UserName	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment to be credited
TransID	"transactionId": "..."	ans..64	M	ID assigned by Merchant for the payment process to be credited
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)
RefNr	"referenceNumber": "..."	ns..30	C	not with EVO: Merchant's unique reference number
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	"amount": { "currency": "..."} }	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
ReqID	"requestId": "..."	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	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment to be credited	Vom Paygate vergebene ID für die gutzuschreibende Zahlung

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	ID assigned by Merchant for the payment process to be credited	Vom Händler initial vergebene ID für den gutzuschreibenden Zahlungsvorgang

Key	REST	Format	CND	Description	Beschreibung
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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)
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Key	REST	Format	CND	Description	Beschreibung
RefNr	"referenceNumber": "..."	ns..30	C	not with EVO: Merchant's unique reference number	nicht bei EVO: Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
Currency	"amount": { "currency": "..."}"	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	REST	Format	CND	Description	Beschreibung
ReqID	"requestId": "..."	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 einen 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 direct debit 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-sensitive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment to be credited
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"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	"code": ...	an8	M	Error code according to Paygate Response Codes (A4 Error codes)
RefNr	"referenceNumber": "..."	ns..30	C	not with EVO: Merchant's unique reference number

Key	REST	Format	CND	Description	Beschreibung
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PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment to be credited	Vom Paygate vergebene ID für die gutzuschreibende Zahlung
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Key	REST	Format	CND	Description	Beschreibung
XID	"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	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	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	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"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	REST	Format	CND	Description	Beschreibung
Code	"code": "..."	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung
RefNr	"referenceNumber": "..."	ns..30	C	not with EVO: Merchant's unique reference number	nicht bei EVO: Referenznummer des Händlers

Response parameters for credits of direct debit payments

Credit without reference

Paygate can carry out Credits which do not relate to a previous capture. In this case the credit must be transferred to Paygate as a completely new payment transaction. Please contact the [Computop Helpdesk](#) for help in using the described additional functions.

Notice: Please note that credits without reference to a previous capture generate higher costs with your Acquiring Bank. If you are frequently unable to make reference to the capture you should agree this with your Acquiring Bank.

Notice: Credit without reference is only possible with a direct debit connection.

To carry out a Credit without a reference transaction via a Server-to-Server connection, please use the following URL:

<https://www.computop-paygate.com/eddcriditex.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	REST	Format	CND	Description
MerchantID	BasicAuth. Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number

Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	"amount": { "currency": "..."} }	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
Account owner	"payment": { "directDebitForm": { "account": { "accountHolder": "..."} }} }	ans..50	M	Account holder
Account bank	"payment": { "directDebitForm": { "account": { "name": "..."} }} }	ans..20	OC	Only in the case of PBAN creation: Name of the bank
IBAN	"payment": { "directDebitForm": { "account": { "number": "..."} }} }	ans..34	O	International Bank Account Number
BIC	"payment": { "directDebitForm": { "account": { "code": "..."} }} }	ans..11	OC	Only in the case of PBAN creation: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
Order Description	"order": { "description[0]": "..."} }	ans..768	M	Description of refunded goods, unit prices, merchant's comment etc.
ReqID	"requestId": "..."	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.
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	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	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
Currency	"amount": { "currency": "..."} }	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	REST	Format	CND	Description	Beschreibung
Account owner	"payment": { "directDebitForm": { "account": { "accountHolder": "..."} }} }	ans..50	M	Account holder	Kontoinhaber
Account bank	"payment": { "directDebitForm": { "account": { "name": "..."} }} }	ans..20	OC	Only in the case of PBAN creation: Name of the bank	nur bei PBAN-Erzeugung: Bezeichnung der Bank

IBAN	"payment": { "directDebitForm": { "account": {"number": "..."} }}	ans..34	O	International Bank Account Number	International Bank Account Number
BIC	"payment": { "directDebitForm": { "account": {"code": "..."} }}	ans..11	OC	Only in the case of PBAN creation: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number	nur bei PBAN-Erzeugung: PseudoBankNumber. Die letzten drei Stellen sind identisch zu den letzten drei Stellen der IBAN
Order Desc	"order": { "description[0]": "..."} }	ans..768	M	Description of refunded goods, unit prices, merchant's comment etc.	Beschreibung der gutgeschriebenen Artikel, Einzelpreise, Händlerkommentar etc.

Key	REST	Format	CND	Description	Beschreibung
ReqId	"requestId": "..."	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 einen 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.

Key	REST	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)

Parameters for credits of direct debit payments without reference

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-sensitive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	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	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"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	"code": ...	an8	M	Error code according to Paygate Response Codes (A4 Error codes)

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	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	REST	Format	CND	Description	Beschreibung
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XID	"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
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Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	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	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"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	REST	Format	CND	Description	Beschreibung
Code	"code": "..."	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Response parameters for credits of direct debit payments without reference

Credit without reference for InterCard

Paygate can carry out Credits which do not relate to a previous capture. In this case the credit must be transferred to Paygate as a completely new payment transaction. Please contact the [Computop Helpdesk](#) for help in using the described additional functions.

Notice: Please note that credits without reference to a previous capture generate higher costs with your Acquiring Bank. If you are frequently unable to make reference to the capture you should agree this with your Acquiring Bank.

To carry out a Credit without a reference transaction via a Server-to-Server connection, please use the following URL:

<https://www.computop-paygate.com/eddcritetx.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	REST	Format	CND	Description
MerchantID	BasicAuth. Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	"amount": { "currency": "..."} "currency": "..."	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
AccountOwner	"payment": { "directDebitForm": { "account": { "accountHolder": "..." } } } }	ans..50	OC	Only in the case of PBAN creation: Account holder

AccBank	"payment": { "directDebitForm": : { "account": { "name": "..."} } }	ans..20	OC	Only in the case of PBAN creation: Name of the bank
IBAN	"payment": { "directDebitForm": : { "account": { "number": "..."} } }	ans..34	O	International Bank Account Number
BIC	"payment": { "directDebitForm": : { "account": { "number": "..."} } }	ans..11	OC	Only in the case of PBAN creation: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
Order Desc	"order": { "description[0]": "..." }	ans..768	M	Description of refunded goods, unit prices, merchant's comment etc.
ReqId	"requestId": "..."	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.
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)
CustomerID	"billing": { "consumer": { "consumerId": "..." } }	ans..30	M	Customer number at the merchant
DateOfRegistration	"accountInfo": { "creationDate": "..." }	dtm8	O	Customer since in the format YYYYMMDD
CustomerClassification		ans..20	O	(business / private)
eMail	"billing": { "contactInfo": { "email": "..." } }	ans..80	O	E-mail address
DateOfBirth	"billing": { "consumer": { "birthDate": "..." } }	dtm8	O	Date of birth in the format YYYYMMDD
bdSalutation	"billing": { "consumer": { "salutation": "..." } }	ans...4	O	Salutation of the invoicing address
bdFirstName	"billing": { "consumer": { "firstName": "..." } }	ans..30	M	First name of the invoicing address
bdLastName	"billing": { "consumer": { "lastName": "..." } }	ans..30	M	Last name of the invoicing address
bdStreet	"billing": { "addressInfo": { "addressLine1": "street": "..." } }	a..50	M	Street name of the invoicing address
bdStreetNr	"billing": { "addressInfo": { "addressLine1": "streetNumber": "..." } }	ans..5	M	Street number of the invoicing address
bdCountryCode	"billing": { "addressInfo": { "country": { "A2": "..." } } }	a2	O	Country code in the invoicing address, 2 characters according to ISO 3166

bdZip	"billing": { "addressInfo": { "postalCode": "..." } } }	n..5	M	Postcode of the invoicing address
bdCity	"billing": { "addressInfo": { "city": "..."} }	a..32	M	Town or city of the invoicing address
bdPhone	"billing": { "contactInfo": { "phone": "..."} }	ans..15	O	Phone number in the invoicing address
bdFax	"billing": { "contactInfo": { "fax": "..."} }	ans..20	O	Fax number of the invoicing address
bdMaidenName	"billing": { "consumer": { "maidenName": "..." } }	ans..30	O	Maiden name of the invoicing address
UseBillingData		a..3	O	Is the invoicing address to be used as the delivery address? <Yes> or <No>. If <Yes> no parameters are transferred for the delivery address, if <No> they are obligatory. Standard=Yes
sdSalutation	"shipping": { "consumer": { "salutation": "..."} }	ans...4	O	Salutation in the delivery address
sdFirstName	"shipping": { "consumer": { "firstName": "..."} }	ans..30	O	First name in the delivery address
sdLastName	"shipping": { "consumer": { "lastName": "..."} }	ans..30	O	Last name in the delivery address
sdStreet	"shipping": { "addressInfo": { "addressLine1": {"street": "..."} } }	a..50	O	Street in the delivery address
sdStreetNr	"shipping": { "addressInfo": { "addressLine1": {"streetNumber": "..." } } }	ans..5	O	Street number of the delivery address
sdCountryCode	"shipping": { "addressInfo": { "country": {"A2": "..." } } }	a2	O	Country code for the delivery address, 2 characters according to ISO 3166
sdZip	"shipping": { "addressInfo": { "postalCode": "..." } } }	n..5	O	Postcode in the delivery address
sdCity	"shipping": { "addressInfo": { "city": "..."} }	a..50	O	Town/city in the delivery address
RegularCustomerIndicator		a..5	O	Regular customer (true / false)

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	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	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": "..." }	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
Currency	"amount": { "currency": "..." }	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	REST	Format	CND	Description	Beschreibung
AccountOwner	"payment": { "directDebitForm": { "account": { "accountHolder" = "..." } } }	ans..50	OC	Only in the case of PBAN creation: Account holder	nur bei PBAN-Erzeugung: Kontoinhaber
AccountBank	"payment": { "directDebitForm": { "account": { "name"= "..." } } }	ans..20	OC	Only in the case of PBAN creation: Name of the bank	nur bei PBAN-Erzeugung: Bezeichnung der Bank
IBAN	"payment": { "directDebitForm": { "account": { "number"= "..." } } }	ans..34	O	International Bank Account Number	International Bank Account Number
BIC	"payment": { "directDebitForm": { "account": { "number"= "..." } } }	ans..11	OC	Only in the case of PBAN creation: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number	nur bei PBAN-Erzeugung: PseudoBankNumber. Die letzten drei Stellen sind identisch zu den letzten drei Stellen der IBAN
OrderDesc	"order": { "description[0]": "..." }	ans..768	M	Description of refunded goods, unit prices, merchant's comment etc.	Beschreibung gutgeschriebener Artikel, Einzelpreise, Händlerkommentar etc.

Key	REST	Format	CND	Description	Beschreibung
ReqId	"requestId": "..."	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.

Key	REST	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	REST	Format	CND	Description	Beschreibung
CustomerID	"billing": { "consumer": { "consumerId": "..." } }	ans..30	M	Customer number at the merchant	Kundennummer beim Händler
DateOfRegistration	"accountInfo": { "creationDate": "..." }	dtm8	O	Customer since in the format YYYYMMDD	Kunde seit im Format JJJJMMTT
CustomerClassification		ans..20	O	(business / private)	(business / private)
eMail	"billing": { "contactInfo": { "email": "..." } }	ans..80	O	E-mail address	E-Mail-Adresse
DateOfBirth	"billing": { "consumer": { "birthDate": "..." } }	dtm8	O	Date of birth in the format YYYYMMDD	Geburtsdatum im Format JJJJMMTT
bdSalutation	"billing": { "consumer": { "salutation": "..." } }	ans...4	O	Salutation of the invoicing address	Anrede der Rechnungsanschrift
bdFirstName	"billing": { "consumer": { "firstName": "..." } }	ans..30	M	First name of the invoicing address	Vorname der Rechnungsanschrift
bdLastName	"billing": { "consumer": { "lastName": "..." } }	ans..30	M	Last name of the invoicing address	Nachname der Rechnungsanschrift

bdStreet	"billing": {"addressInfo": { "addressLine1": {"street": "..." }}}	a..50	M	Street name of the invoicing address	Straßenname der Rechnungsanschrift
bdStreetNr	"billing": {"addressInfo": { "addressLine1": {"streetNumber": = "..."} }}}	ans..5	M	Street number of the invoicing address	Hausnummer der Rechnungsanschrift
bdCountry Code	"billing": {"addressInfo": { "country": {"A2": "..."} }}}	a2	O	Country code in the invoicing address, 2 characters according to ISO 3166	Ländercode der Rechnungsanschrift, zweistellig gemäß ISO 3166
bdZip	"billing": {"addressInfo": { "postalCode": "..."} }}}	n..5	M	Postcode of the invoicing address	Postleitzahl der Rechnungsanschrift
bdCity	"billing": {"addressInfo": { "city": "..."} }}}	a..32	M	Town or city of the invoicing address	Ortsname der Rechnungsanschrift
bdPhone	"billing": {"contactInfo": { "phone": "..."} }}}	ans..15	O	Phone number in the invoicing address	Telefonnummer der Rechnungsanschrift
bdFax	"billing": {"contactInfo": { "fax": "..."} }}}	ans..20	O	Fax number of the invoicing address	Faxnummer der Rechnungsanschrift
bdMaidenN ame	"billing": {"consumer": { "maidenName": "..."} }}}	ans..30	O	Maiden name of the invoicing address	Geburtsname der Rechnungsanschrift
UseBillingD ata		a..3	O	Is the invoicing address to be used as the delivery address? <Yes> or <No>. If <Yes> no parameters are transferred for the delivery address, if <No> they are obligatory. Standard=Yes	Soll Rechnungsadresse als Lieferadresse genutzt werden? <Yes> oder <No>. Bei <Yes> werden keine Parameter zur Lieferadresse übergeben, bei <No> sind sie Pflicht. Standard=Yes
sdSalutation	"shipping": {"consumer": { "salutation": "..."} }}}	ans...4	O	Salutation in the delivery address	Anrede der Lieferadresse
sdFirstName	"shipping": {"consumer": { "firstName": "..."} }}}	ans..30	O	First name in the delivery address	Vorname der Lieferadresse
sdLastName	"shipping": {"consumer": { "lastName": "..."} }}}	ans..30	O	Last name in the delivery address	Nachname der Lieferadresse
sdStreet	"shipping": {"addressInfo": { "addressLine1": {"street": "..." }}}	a..50	O	Street in the delivery address	Straßenname der Lieferadresse
sdStreetNr	"shipping": {"addressInfo": { "addressLine1": {"streetNumber": = "..."} }}}	ans..5	O	Street number of the delivery address	Hausnummer der Lieferadresse
sdCountry Code	"shipping": {"addressInfo": { "country": {"A2": "..."} }}}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166	Ländercode der Lieferadresse, zweistellig gemäß ISO 3166
sdZip	"shipping": {"addressInfo": { "postalCode": "..."} }}}	n..5	O	Postcode in the delivery address	Postleitzahl der Lieferadresse
sdCity	"shipping": {"addressInfo": { "city": "..."} }}}	a..50	O	Town/city in the delivery address	Ortsname der Lieferadresse
RegularCu stomerIndic ator		a..5	O	Regular customer (true / false)	Stammkunde (true / false)

Parameters for credits of direct debit payments without reference with Intercard

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-sensitive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	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	"xid": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment

Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"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	"code": ...	an8	M	Error code according to Paygate Response Codes (A4 Error codes)

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentid": "..."	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	REST	Format	CND	Description	Beschreibung
XID	"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	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	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	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"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	REST	Format	CND	Description	Beschreibung
Code	"code": ...	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Response parameters for credits of direct debit payments without reference with Intercard

Reversal

Reversals are possible via a Server-to-Server connection. In order to cancel a direct debit 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: Cancellation is only possible with a direct debit connection.

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	REST	Format	CND	Description
-----	------	--------	-----	-------------

MerchantID	BasicAuth. Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	"paymentid": "..."	an32	M	ID assigned by Paygate for the payment to be reversed
TransID	"transactionid": "..."	ans..64	M	ID assigned by Merchant for the payment process to be reversed
Amount	"amount": { "value": ... }	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	"amount": { "currency": "..." }	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
ReqID	"requestid": "..."	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	REST	Format	CND	Description	Beschreibung
PayID	"paymentid": "..."	an32	M	ID assigned by Paygate for the payment to be reversed	Vom Paygate vergebene ID für die zu stornierende Zahlung

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionid": "..."	ans..64	M	ID assigned by Merchant for the payment process to be reversed	ID des Händlers zur Identifizierung des zu stornierenden Zahlungsvorgangs

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ... }	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
Currency	"amount": { "currency": "..." }	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	REST	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	REST	Format	CND	Description	Beschreibung
-----	------	--------	-----	-------------	--------------

ReqID	"requestId": "..."	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.
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Parameters for reversals of direct debit 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-sensitive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	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	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"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	"code": ...	an8	M	Error code according to Paygate Response Codes (A4 Error codes)

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	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	REST	Format	CND	Description	Beschreibung
XID	"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	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	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	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"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	REST	Format	CND	Description	Beschreibung
Code	"code": ...	an8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Response parameters for reversals of direct debit 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 all functions are available which are usually available for the online interface.

Batch calls and answers

This section describes the parameters which must be transferred within the data set (**Record**) for executing a direct debit payment and which information can be found within the response file about the payment status.

The possible actions per batch depend on the respective connection. In the case of direct connections all transactions including credit without reference are possible while cancellation and credit without reference are not possible with EVO Payment, InterCard and PPRO connections. In the case of PPRO the transactions are also purely sales transactions and so only sales and credit is possible here.

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

Action	Version	Description
Capture	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)
Authorize	1.0.1 / 2.0.1	Standard version without return of parameter Code
	1.x.1 / 2.x.1	with RefNr (valid for all versions other than 1.0)
Sale	1.0.1 / 2.0.1	Standard version without return of parameter Code
	1.x.1 / 2.x.1	with RefNr (valid for all versions other than 1.0)
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)
CreditEx	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 a direct debit payment within a Batch file to be submitted is the following:

```
HEAD,<MerchantID>,<Date>,<Version>
EDD,Authorize,<Amount>,<Currency>,<TransID>,( <RefNr>,<AccOwner>,<IBAN>,<BIC>,<AccBankName>,<OrderDesc1>,<OrderDesc2>,( <MandateID>,<DtOfSgntr>,<MdtSeqType> )
EDD,Sale,<Amount>,<Currency>,<TransID>,( <RefNr>,<AccOwner>,<IBAN>,<BIC>,<AccBankName>,<OrderDesc1>,<OrderDesc2>,( <MandateID>,<DtOfSgntr>,<MdtSeqType> )
EDD,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,( <MandateID>,<DtOfSgntr>,<MdtSeqType> )
EDD,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID> )
EDD,CreditEx,<Amount>,<Currency>,<TransID>,( <RefNr>,<AccOwner>,<IBAN>,<BIC>,<AccBankName>,<OrderDesc1>,<OrderDesc2> )
EDD,Reverse,<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, EDD for direct debit
Action	a..20	M	The parameter Action defines the type of transaction: Authorize (authorisation) Capture Sale Credit CreditEx (credit note without previous capture; please agree this with Computop Helpdesk beforehand) Reverse (cancellation)
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
PayID	an32	M	ID assigned by Paygate for this transaction
RefNr	ns..30	O	Unique reference number
AccOwner	ans..50	M	Account holder
IBAN	ans..34	M	International Bank Account Number
BIC	ans..11	O	Bank Identifier Code
AccBank Name	ans..20	O	Name of the bank
OrderDesc1	ans..27	M	Text explaining customer account withdrawal, max. 27 characters
OrderDesc2	ans..27	M	Text explaining customer account withdrawal, max. 27 characters (2. line)
MandateID	ans..35	O	SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgntr	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
MdtSeqType	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)

Key	Format	CND	Description	Beschreibung
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk , if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

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
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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
RefNr	ns..30	O	Unique reference number	Eindeutige Referenznummer. Bei PPRO: Nur die Zeichen a-zA-Z0-9,-_ sind erlaubt, Format ans..40.
AccOwner	ans..50	M	Account holder	Kontoinhaber
IBAN	ans..34	M	International Bank Account Number	International Bank Account Number
BIC	ans..11	O	Bank Identifier Code	Bank Identifier Code
AccBankName	ans..20	O	Name of the bank	Name der Bank
OrderDesc1	ans..27	M	Text explaining customer account withdrawal, max. 27 characters	Verwendungszweck-Text für Kontoauszug des Kunden, max. 27 Zeichen
OrderDesc2	ans..27	M	Text explaining customer account withdrawal, max. 27 characters (2. line)	Verwendungszweck-Text für Kontoauszug des Kunden, max. 27 Zeichen (2. Zeile)
MandateID	ans..35	O	SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket	SEPA-Mandatsnummer (Pflicht bei SEPA) sollte eindeutig sein, ist nicht case-sensitive Zulässige Zeichen: Ziffern 0-9, Großbuchstaben A-Z, Kleinbuchstaben a-z, Apostroph, Doppelpunkt, Fragezeichen, Komma, Punkt, Pluszeichen, Minuszeichen, Schrägstrich, linke und rechte Klammer

Key	Format	CND	Description	Beschreibung
DtOfSgntr	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)	für SEPA: Datum der Mandatserteilung im Format DD.MM.YYYY (Pflicht bei Übergabe von MandateID)

Key	Format	CND	Description	Beschreibung
MdtSeqType	ans..4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)	für SEPA: Gibt an, ob es sich um eine Erst-, Folge-, Einmal- oder letztmalige Lastschrift handelt. Zulässige Werte: FRST, RCUR, OOFF, FNAL Standard: OOFF (Einmal-Lastschrift)

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>
EDD,Authorize,<Amount>,<Currency>,<TransID>,( <RefNr>,<AccOwner>,<IBAN>,<BIC>,<AccBankName>,<OrderDesc1>,<OrderDesc2>,<MandateID>,<DtOfSgntr>,<MdtSeqType>,<Status>,<Code>
EDD,Sale,<Amount>,<Currency>,<TransID>,( <RefNr>,<AccOwner>,<IBAN>,<BIC>,<AccBankName>,<OrderDesc1>,<OrderDesc2>,<MandateID>,<DtOfSgntr>,<MdtSeqType>,<Status>,<Code>
EDD,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,<MandateID>,<DtOfSgntr>,<MdtSeqType>,<Status>,<Code>
EDD,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,<Status>,<Code>
EDD,CreditEx,<Amount>,<Currency>,<TransID>,( <RefNr>,<AccOwner>,<IBAN>,<BIC>,<AccBankName>,<OrderDesc1>,<OrderDesc2>,<Status>,<Code>
EDD,Reverse,<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 like capture or credit – see above.
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.
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Code	an8	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
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	Format	CND	Description	Beschreibung
Code	an8	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