

paydirekt

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About paydirekt

General information about paydirekt

Paydirekt is a new online payment service for all German banks and savings banks and is as trustworthy as your own bank. At the heart of paydirekt is the trusted giro account through which the entire processing takes place.

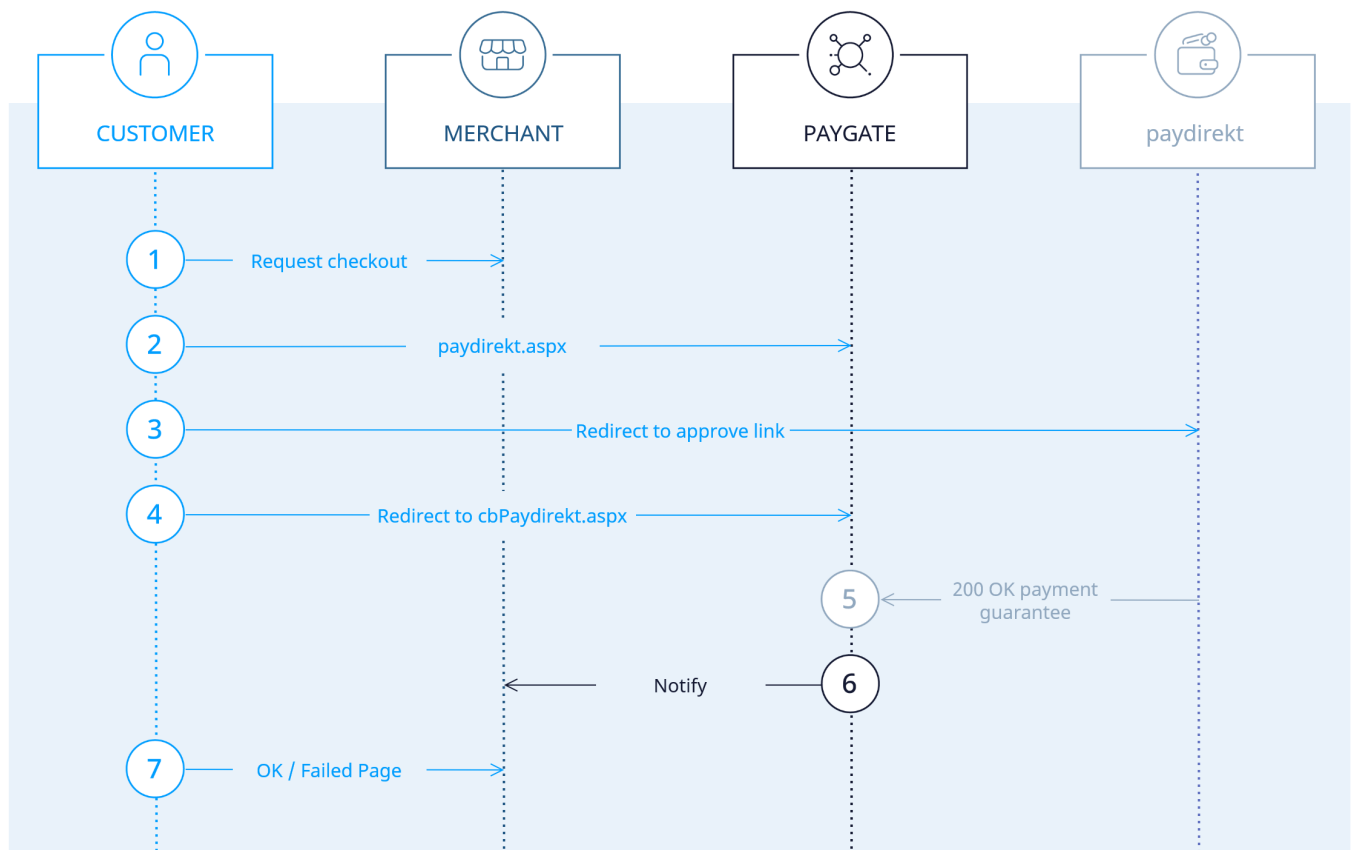
The buyer registers for paydirekt via their own bank's online system. Each payment is authorised by the buyer's own bank and immediately posted to the giro account. Buyer authentication is via an adaptive authentication process. Each payment also requires an age verification.

The benefits for the merchant are simple connection of paydirekt to the shop system, highly secure transactions due to the processing of participating banks and savings banks and their credit rating, payment guarantee as soon as the posting is activated after positive payment confirmation and easy handling of returns and complaints.

Logo	
Info	paydirekt allows online purchases to be paid simply and directly from your giro account. Merchants benefit from this alternative to existing online payment processes which correspond to the stringent requirements of the German credit sector.
Type	Payments by Online Bank Transfer

Further information can be found on the website of paydirekt (<https://www.paydirekt.de>).

Process flow chart



paydirekt process flow

Paygate interface

Definitions

Data formats

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

Calling the paydirekt interface

A payment by paydirekt may be done in two steps, where first of all a payment for an order is initialised before you capture it separately on dispatching the goods. Alternatively the payment can be processed within one step as a sale transaction. The subsequent transactions then take place via a server-to-server connection. Hence, you can capture these payments or issue a credit in the event of a goods return.

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

<https://www.computop-paygate.com/paydirekt.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..20	M	TransactionID which should be unique for each payment. The underscore may not be used.
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
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
Order Desc	"order": { "description": "..."}	ans..768	O	Description of purchased goods, unit prices etc.
UserData	"metadata [userData]": "..."	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
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.								
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.								
Capture	"capture": {"auto": "Yes"} "capture": {"manual": "Yes"} "capture": ... "	an..6	OM	Determines the type and time of capture. <table><thead><tr><th>Capture Mode</th><th>Description</th></tr></thead><tbody><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></tbody></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).											
ShopApiKey	"payment": {"paydirekt": {"shopApiKey": "..."} } "	ans..64	M	API key of the shop with paydirekt								
shippingAmount	"amount": {"shippingTotal": ...} "	n..10	O	Shipping costs in the smallest currency unit (e.g. EUR Cent) Please contact Computop Helpdesk, if you want to capture amounts < 100 (smallest currency unit).								
ShoppingBasketAmount	"amount": {"itemTotal": ...} "	n..10	O	Value of ordered goods without shipping costs in the smallest currency unit (e.g. EUR Cent) Please contact Computop Helpdesk, if you want to capture amounts < 100 (smallest currency unit).								
Article List	"order": {"items": "..."} "	ans..1024	O	Article list with description of items and prices: <Quantity>;<Name>;<EAN>;<Price> <;> separates the fields of an article data set <+> separates the article data sets quantity: ordered quantity of the article Name: designation of the article EAN: international article number (EAN or GTIN), (if not known, submit as empty string "") Price: unit price of the article incl. taxes; amount in the smallest currency unit (e.g. EUR Cent)								
Email	"billing": {"contactInfo": {"email": "..."} } "	ans..100	O	Email address of the customer								
MinAge	"payment": {"paydirekt": {"minAge": "..."} } "	n..3	O	minimum age in years								

ShoppingBasketCategory	"payment": { "paydirekt": { "basketCategory": "..." } } }	a..8	O	Categorizes the shopping basket: „DIGITAL“ for shopping baskets with solely digital goods „PHYSICAL“ for shopping baskets with solely physical goods „MIXED“ for shopping baskets with digital and physical goods "ANONYMOUS_DONATION": The shopping basket solely is an anonymous donation "AUTHORITIES_PAYMENT": The shopping basket solely contains payments for authorities
sdFirstName	"shipping": { "consumer": { "firstName": "..." } } }	ans..50	C	First name in the delivery address. Mandatory if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and <>IS NOT „ANONYMOUS_DONATION“
sdLastName	"shipping": { "consumer": { "lastName": "..." } } }	ans..50	C	Surname in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and IS NOT „ANONYMOUS_DONATION“
sdCompany	"shipping": { "business": { "companyLegalName": "..." } } }	ans..100	O	Company name in the delivery address
sdAddressAddition	"shipping": { "addressInfo": { "addressLine2": "..." } } }	ans..30	O	Address addition in the delivery address
sdStreet	"shipping": { "addressInfo": { "addressLine1": { "street": "..." } } } }	ans..100	C	Street name in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdStreetNr	"shipping": { "addressInfo": { "addressLine1": { "streetNumber": "..." } } } }	ans..8	C	Street number in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdZip	"shipping": { "addressInfo": { "postalCode": "..." } } }	n..5	C	Postcode in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdCity	"shipping": { "addressInfo": { "city": "..." } } }	ans..100	C	Town/city in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdCountryCode	"shipping": { "addressInfo": { "country": { "A2": "..." } } } }	an2	C	Country code in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdEmail	"shipping": { "contactInfo": { "email": "..." } } }	ans..100	C	Email address of the receiver mandatory, if ShoppingBasketCategory = „DIGITAL“
Note	"payment": { "paydirekt": { "note": "..." } } }	ans..37	O	Text that will be displayed as reason for payment to the customer
CustomerID	"billing": { "consumer": { "consumerId": "..." } } }	ans..64	O	Customer number
OverCapture	"payment": { "paydirekt": { "overCapture": "..." } } }	bool	O	Flag for overcapture checkouts. Default is false. For an overcapture checkout the sum of captures may exceed the goods value of the order up to 10%. Overcapture may be activated for checkouts of type ORDER only. OverCapture can only be used with merchants which are unlocked for this feature both at paydirekt and at CompuTop.
DeliveryMethod	"payment": { "paydirekt": { "deliveryMethod": "..." } } }	ans..12	O	Delivery place STANDARD, PACKSTATION or STORE_PICKUP. The default value is STANDARD. STANDARD: The goods will be delivered to a normal postal address. PACKSTATION: The goods will be delivered to a packstation. STORE_PICKUP: The goods will be picked-up within a branch store. For express checkouts this field always has the value STANDARD and will not be updated depending on selected delivery option.

DeliveryDate	"payment": { "paydirekt": {"deliveryDate": "..."} }	dtm	O	Expected date of shipment in the format YYYY-MM-DD
Parcel Service	"payment": { "paydirekt": {"parcelService": "..."} }	ans..16	O	Parcel service
TrackingNumber	"payment": { "paydirekt": {"trackingNumber": "..."} }	ans..64	O	Consignment number
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	"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 " " 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

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..20	M	TransactionID which should be unique for each payment. The underscore may not be used.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Es darf kein Unterstrich verwendet werden.

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
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
OrderDesc	"order": { "description": "..."} }	ans..768	O	Description of purchased goods, unit prices etc.	Beschreibung der gekauften Waren, Einzelpreise etc.

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
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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.
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Key	REST	Format	CND	Description	Beschreibung
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.

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
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
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Capture	"capture": { "auto": "Yes" }	an..6	OM	Determines the type and time of capture.		Bestimmt Art und Zeitpunkt der Buchung (engl. Capture).	
	"capture": { "manual": "Yes" }			Capture Mode	Description	Buchungsart	Beschreibung
	"capture": ...			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
ShopApiKey	"payment": { "paydirekt": { "shopApiKey": "..." } }	ans..64	M	API key of the shop with paydirekt	API-Key des Shops bei paydirekt
shAmount	"amount": { "shippingTotal": ... }	n..10	O	Shipping costs in the smallest currency unit (e.g. EUR Cent) Please contact Computop Helpdesk , if you want to capture amounts < 100 (smallest currency unit).	Versandkosten in der kleinsten Währungseinheit (z. B. EUR Cent) Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.
ShoppingBasketAmount	"amount": { "itemTotal": ... }	n..10	O	Value of ordered goods without shipping costs in the smallest currency unit (e.g. EUR Cent) Please contact Computop Helpdesk , if you want to capture amounts < 100 (smallest currency unit).	Warenwert der Bestellung ohne Versandkosten in der kleinsten Währungseinheit (z.B. EUR Cent) Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.
ArticleList	"order": { "items": "..." }	ans..1024	O	Article list with description of items and prices: <Quantity>;<Name>;<EAN>;<Price> <;> separates the fields of an article data set <+> separates the article data sets quantity: ordered quantity of the article Name: designation of the article EAN: international article number (EAN or GTIN), (if not known, submit as empty string "") Price: unit price of the article incl. taxes; amount in the smallest currency unit (e.g. EUR Cent)	Artikelliste mit Beschreibung der Waren und Preise: <Menge>;<Name>;<EAN>; <Preis> <;> trennt Felder innerhalb eines Artikeldatensatzes <+> trennt mehrere Artikeldatensätze Menge: Anzahl der Positionen des Artikels Name: Bezeichnung des Artikels EAN: Internationale Artikelnummer (EAN bzw. GTIN), (falls nicht bekannt, dann als Leerstring „") Preis: Einzelpreis des Artikels inkl. Steuern; Betrag in der kleinsten Währungseinheit (z.B. EUR Cent)
Email	"billing": { "contactInfo": { "email": "..." } }	ans..100	O	Email address of the customer	E-Mail-Adresse des Kunden
MinAge	"payment": { "paydirekt": { "minAge": "..." } }	n..3	O	minimum age in years	Mindestalter in Jahren
ShoppingBasketCategory	"payment": { "paydirekt": { "basketCategory": "..." } }	a..8	O	Categorizes the shopping basket: „DIGITAL“ for shopping baskets with solely digital goods „PHYSICAL“ for shopping baskets with solely physical goods „MIXED“ for shopping baskets with digital and physical goods "ANONYMOUS_DONATION": The shopping basket solely is an anonymous donation "AUTHORITIES_PAYMENT": The shopping basket solely contains payments for authorities	Kategorisiert den Warenkorb: „DIGITAL“ für Warenkörbe mit ausschließlich digitalen Gütern „PHYSICAL“ für Warenkörbe mit ausschließlich physischen Gütern „MIXED“ für Warenkörbe mit sowohl digitalen als auch physischen Gütern "ANONYMOUS_DONATION": Beim Warenkorb handelt es sich ausschließlich um eine anonyme Spende "AUTHORITIES_PAYMENT": Beim Warenkorb handelt es sich ausschließlich um Behördenzahlungen
sdFirstName	"shipping": { "consumer": { "firstName": "..." } }	ans..50	C	First name in the delivery address. Mandatory if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and <>IS NOT „ANONYMOUS_DONATION“	Vorname in der Lieferanschrift. Pflicht, wenn ShoppingBasketCategory IST NICHT „AUTHORITIES_PAYMENT“ und IST NICHT „ANONYMOUS_DONATION“

sdLast Name	"shipping": { "consumer": { "lastName": "..." } }	ans..50	C	Surname in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT" and IS NOT „ANONYMOUS_DONATION"	Nachname in der Lieferanschrift. Pflicht, wenn ShoppingBasketCategory IST NICHT „AUTHORITIES_PAYMENT" und IST NICHT „ANONYMOUS_DONATION"
sdCompany	"shipping": { "business": { "companyLegalName": "..." } }	ans..100	O	Company name in the delivery address	Firmenname in der Lieferanschrift
sdAddressAddition	"shipping": { "addressInfo": { "addressLine2": "..." } }	ans..30	O	Address addition in the delivery address	Adresszusatz in der Lieferanschrift
sdStreet	"shipping": { "addressInfo": { "addressLine1": { "street": "..." } } }	ans..100	C	Street name in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Straßenname in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdStreetNr	"shipping": { "addressInfo": { "addressLine1": { "streetNumber": "..." } } }	ans..8	C	Street number in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Hausnummer in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdZip	"shipping": { "addressInfo": { "postalCode": "..." } }	n..5	C	Postcode in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Postleitzahl in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdCity	"shipping": { "addressInfo": { "city": "..." } }	ans..100	C	Town/city in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Ort in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdCountryCode	"shipping": { "addressInfo": { "country": { "A2": "..." } } }	an2	C	Country code in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Ländercode in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdEmail	"shipping": { "contactInfo": { "email": "..." } }	ans..100	C	Email address of the receiver mandatory, if ShoppingBasketCategory = „DIGITAL"	E-Mail-Adresse des Empfängers Pflicht, wenn ShoppingBasketCategory = „DIGITAL"
Note	"payment": { "paydirekt": { "note": "..." } }	ans..37	O	Text that will be displayed as reason for payment to the customer	Text, der dem Kunden im Verwendungszweck angezeigt wird
CustomerID	"billing": { "consumer": { "consumerId": "..." } }	ans..64	O	Customer number	Kundennummer
OverCapture	"payment": { "paydirekt": { "overCapture": "..." } }	bool	O	Flag for overcapture checkouts. Default is false. For an overcapture checkout the sum of captures may exceed the goods value of the order up to 10%. Overcapture may be activated for checkouts of type ORDER only. OverCapture can only be used with merchants which are unlocked for this feature both at paydirekt and at Computop.	Flag für Overcapture-Checkouts. Standard ist false. Bei einem Overcapture-Checkout darf die Summe der Captures den Warenwert der Bestellung um bis zu 10% übersteigen. Overcapture darf nur bei einem Checkout des Typs ORDER aktiviert sein. OverCapture kann nur von Händlern verwendet werden, die bei paydirekt und Computop für dieses Feature freigeschaltet wurden.
Delivery Method	"payment": { "paydirekt": { "deliveryMethod": "..." } }	ans..12	O	Delivery place STANDARD, PACKSTATION or STORE_PICKUP. The default value is STANDARD. STANDARD: The goods will be delivered to a normal postal address. PACKSTATION: The goods will be delivered to a packstation. STORE_PICKUP: The goods will be picked-up within a branch store. For express checkouts this field always has the value STANDARD and will not be updated depending on selected delivery option.	Lieferort: STANDARD, PACKSTATION oder STORE_PICKUP. Der Standardwert ist STANDARD. STANDARD: Die Güter werden an eine gewöhnliche Postadresse geliefert. PACKSTATION: Die Güter werden an eine Packstation geliefert. STORE_PICKUP: Die Güter werden in der Filiale abgeholt. Dieses Feld enthält bei Express-Checkouts immer den Wert STANDARD und wird nicht anhand der gewählten Lieferoption aktualisiert.

Delivery Date	"payment": { "paydirekt": {"deliveryDate": "..."} }	dtm	O	Expected date of shipment in the format YYYY-MM-DD	Erwartetes Versanddatum im Format JJJJ-MM-TT
Parcel Service	"payment": { "paydirekt": {"parcelService": "..."} }	ans..16	O	Parcel service	Paket-Dienstleister
Tracking Number	"payment": { "paydirekt": {"trackingNumber": "..."} }	ans..64	O	Consignment number	Sendungsnummer

Key	REST	Format	CND	Description	Beschreibung
Plain	"metadatal[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	"metadatal[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

Parameters for payments with paydirekt

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..20	M	TransactionID which should be unique for each payment
Status	a..50	M	OK or AUTHORIZE_REQUEST (URLSuccess) as well as FAILED (URLFailure)

Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
refnr	ns..30	O	Merchant's unique reference number
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
TID	ans..32	O	Unique ID of this activity and all associated transactions at paydirekt. This ID exists as soon as a customer has logged in at the checkout page.
Reference	ans..36	M	Unique ID of this activity at paydirekt
TransactionID	ans36	O	Unique transaction-ID (UUID). The value is assigned by the paydirekt system.
ShoppingBasketCategory	a..8	O	Categorizes the shopping basket: „DIGITAL“ for shopping baskets with solely digital goods „PHYSICAL“ for shopping baskets with solely physical goods „MIXED“ for shopping baskets with digital and physical goods "ANONYMOUS_DONATION": The shopping basket solely is an anonymous donation "AUTHORITIES_PAYMENT": The shopping basket solely contains payments for authorities
sdFirstName	ans..50	C	First name in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and IS NOT „ANONYMOUS_DONATION“
sdLastName	ans..50	C	Surname in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and IS NOT „ANONYMOUS_DONATION“
sdCompany	ans..100	O	Company name in the delivery address
sdAddressAddition	ans..30	O	Address addition in the delivery address
sdStreet	ans..100	C	Street name in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdStreetNr	ans..8	C	Street number in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdZip	n..5	C	Postcode in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdCity	ans..100	C	Town/city in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdCountryCode	an2	C	Country code in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdEmail	ans..100	C	Email address of the receiver mandatory, if ShoppingBasketCategory = „DIGITAL“
AgeAccepted	a..12	O	ACCEPTED or NOT ACCEPTED
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

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..20	M	TransactionID which should be unique for each payment	TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK or AUTHORIZE_REQUEST (URLSuccess) as well as FAILED (URLFailure)	OK oder AUTHORIZE_REQUEST (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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

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
refnr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

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
TID	ans..32	O	Unique ID of this activity and all associated transactions at paydirekt. This ID exists as soon as a customer has logged in at the checkout page.	Eindeutige Identifikation des Vorgangs und aller dazugehörigen Transaktionen bei paydirekt. Diese ID ist vorhanden, sobald sich ein Kunde auf der Checkout-Seite eingeloggt hat.
Reference	ans..36	M	Unique ID of this activity at paydirekt	Eindeutige ID des Vorgangs bei paydirekt
TransactionID	ans36	O	Unique transaction-ID (UUID). The value is assigned by the paydirekt system.	Eindeutige Transaktions-ID (UUID). Der Wert wird durch das paydirekt-System vergeben.

Shopping BasketCategory	a..8	O	Categorizes the shopping basket: „DIGITAL“ for shopping baskets with solely digital goods „PHYSICAL“ for shopping baskets with solely physical goods „MIXED“ for shopping baskets with digital and physical goods "ANONYMOUS_DONATION": The shopping basket solely is an anonymous donation "AUTHORITIES_PAYMENT": The shopping basket solely contains payments for authorities	Kategorisiert den Warenkorb: „DIGITAL“ für Warenkörbe mit ausschließlich digitalen Gütern „PHYSICAL“ für Warenkörbe mit ausschließlich physischen Gütern „MIXED“ für Warenkörbe mit sowohl digitalen als auch physischen Gütern "ANONYMOUS_DONATION": Beim Warenkorb handelt es sich ausschließlich um eine anonyme Spende "AUTHORITIES_PAYMENT": Beim Warenkorb handelt es sich ausschließlich um Behördenzahlungen
sdFirstName	ans..50	C	First name in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and IS NOT „ANONYMOUS_DONATION“	Vorname in der Lieferanschrift. Pflicht, wenn ShoppingBasketCategory IST NICHT „AUTHORITIES_PAYMENT“ und IST NICHT „ANONYMOUS_DONATION“
sdLastName	ans..50	C	Surname in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and IS NOT „ANONYMOUS_DONATION“	Nachname in der Lieferanschrift. Pflicht, wenn ShoppingBasketCategory IST NICHT „AUTHORITIES_PAYMENT“ und IST NICHT „ANONYMOUS_DONATION“
sdCompany	ans..100	O	Company name in the delivery address	Firmenname in der Lieferanschrift
sdAddressAddition	ans..30	O	Address addition in the delivery address	Adresszusatz in der Lieferanschrift
sdStreet	ans..100	C	Street name in the delivery address	Straßenname in der Lieferanschrift
			Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdStreetNr	ans..8	C	Street number in the delivery address	Hausnummer in der Lieferanschrift
			Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdZip	n..5	C	Postcode in the delivery address	Postleitzahl in der Lieferanschrift
			Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdCity	ans..100	C	Town/city in the delivery address	Ort in der Lieferanschrift
			Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdCountryCode	an2	C	Country code in the delivery address	Ländercode in der Lieferanschrift
			Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdEmail	ans..100	C	Email address of the receiver	E-Mail-Adresse des Empfängers
			mandatory, if ShoppingBasketCategory = „DIGITAL“	Pflicht, wenn ShoppingBasketCategory = „DIGITAL“
AgeAccepted	a..12	O	ACCEPTED or NOT ACCEPTED	ACCEPTED oder NOT ACCEPTED

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
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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
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Result parameters for URLNotify, URLSuccess and URLFailure in case of paydirekt

paydirekt oneKlick

In contrast to standard checkout the customer must register himself one-time for oneKlick. The registration is done with a separate payment (AUTHORIZE) with Paygate which cannot be used for further actions. In case of successful registration Paygate returns a token (BillingAgreementID), that can be used for all subsequent oneKlick transactions. Moreover the customer has to confirm an E-Mail before oneKlick can be used.

Optionally an URL can be submitted, to which a notify will be send, when the customer has confirmed or revoked the eMail. This URL can be stored statically in the merchant configuration or transferred via the request parameter "URLConfirm".

For an oneKlick checkout the BillingAgreementID has to be submitted to Paygate . Instead of forwarding to paydirekt now the checkout will be finished without further customer confirmation.

oneKlick registration

The oneKlick registration can be done as a separate process or combined with a normal checkout. Separate registration is processed via a separate form. After the registration all subsequent transactions are made via a Server-to-Server connection. With oneKlick merchants can divide payments into authorisation and capture or can capture immediately (SALE).

Separate oneKlick registration as well as registration during checkout always is processed via the Paygate form with the following URL:

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

Notice: DeviceID and DeviceFingerPrint must be unique for each customer's terminal device. Paydirekt offers an SDK for iOS and Android, in order to create an unique DeviceId. For web applications libraries like Fingerprint.js (<https://github.com/Valve/fingerprintjs2>) can be used to create an unique fingerprint.

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..20	M	TransactionID which should be unique for each payment. The underscore may not be used.
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
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)
Order Desc	"order": { "description": "..."}	ans..768	O	Description of purchased goods, unit prices etc.

UserData	"metadata": {"userData": "..."}"	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
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. i 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. i 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. i 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.
URLConfirm	"urls": {"confirm": "..."}"	ans..256	O	Complete URL which Paygate calls up when the customer has confirmed the eMail for oneKlick registration or has revoked the registration. The URL may be called up only via port 443. It may not contain parameters.
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.
ShopAPIKey	"payment": {"paydirekt": {"shopApiKey": "..."} }"	ans..64	M	API key of the shop with paydirekt
EventToken	"payment": {"paydirekt": {"eventToken": "..."} }"	a8	M	"oneKlick": Forwarding to paydirekt login page for OneKlick. "recurring": Forwarding to paydirekt login page for Recurring-OneKlick. Additionally information about payment plan can be submitted within parameter usageAgreement. Then they will be shown on the paydirekt login page. "ADS" – OneKlick registration during Checkout (during Checkouts a registration for recurring is not possible). For OneKlick registration during Checkout additionally the device parameters necessary for oneKlick registration must be submitted.
usageAgreement	"payment": {"paydirekt": {"usageAgreement": "..."} }"	ans..256	C	Optional, if EventToken="recurring": Details for recurring payments in JSON format. See below.
DeviceID	"device": {"deviceid": "..."}"	ans..64	C	Unique Device-ID for identifying the customer's device. Mandatory, if DeviceFingerprint is not submitted.
DeviceFingerprint	"device": {"fingerprint": "..."}"	ans..64	O	Fingerprint of the customer's device at the time of authorisation creation
Device	"device": {"name": "..."}"	ans..20	M	Name of the customer's device – will be displayed to customer within the portals.

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	"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 " " 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

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..20	M	TransactionID which should be unique for each payment. The underscore may not be used.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Es darf kein Unterstrich verwendet werden.

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
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
OrderDesc	"order": {"description": "..."}	ans..768	O	Description of purchased goods, unit prices etc.	Beschreibung der gekauften Waren, Einzelpreise etc.

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
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
URLConfirm	"urls": { "confirm": "..."}	ans..256	O	Complete URL which Paygate calls up when the customer has confirmed the eMail for oneClick registration or has revoked the registration. The URL may be called up only via port 443. It may not contain parameters.	Vollständige URL, die das Paygate aufruft, wenn der Kunde die E-Mail zur oneClick-Registrierung bestätigt hat oder die Registrierung widerrufen hat. Die URL darf nur über Port 443 aufgerufen werden. Sie darf keine Parameter enthalten.

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
ShopApiKey	"payment": { "paydirekt": { "shopApiKey": "..." } }	ans..64	M	API key of the shop with paydirekt	API-Key des Shops bei paydirekt

EventToken	"payment": {"paydirekt": {"eventToken": "..."} }	a8	M	"oneKlick": Forwarding to paydirekt login page for OneKlick. "recurring": Forwarding to paydirekt login oage for Recurring-OneKlick. Additionally information about payment plan can be submitted within parameter usageAgreement. Then they will be shown on the paydirekt login page. "ADS" – OneKlick registration during Checkout (during Checkouts a registration for recurring is not possible). For OneKlick registration during Checkout additionally the device parameters necessary for oneKlick registration must be submitted.	"oneKlick": Weiterleitung zur paydirekt-Anmeldeseite für OneKlick. "recurring": Weiterleitung zur paydirekt-Anmeldeseite für Recurring-OneKlick. Zusätzlich können Angaben zum Zahlungsplan im Parameter usageAgreement mitgegeben werden. Diese werden dann auf der paydirekt-Anmeldeseite angezeigt. "ADS" – Anmeldung zu OneKlick während des Checkouts (während des Checkouts kann keine Anmeldung für recurring erfolgen). Für die Anmeldung zu OneKlick während des Checkouts müssen zusätzlich auch die für die OneKlick-Anmeldung notwendigen Device-Parameter mitgesendet werden.
usageAgreement	"payment": {"paydirekt": {"usageAgreement": "..."} }	ans..256	C	Optional, if EventToken="recurring": Details for recurring payments in JSON format. See below.	Optional, wenn EventToken="recurring": Details für wiederkehrende Zahlungen im JSON-Format. Siehe unten.
DeviceId	"device": {"deviceid": "..."} }	ans..64	C	Unique Device-ID for identifying the customer's device. Mandatory, if DeviceFingerPrint is not submitted.	Eindeutige Device-ID zur Identifikation des Endgeräts des Käufers. Pflicht, wenn DeviceFingerPrint nicht übergeben wird.
DeviceFingerPrint	"device": {"fingerPrint": "..."} }	ans..64	O	Fingerprint of the customer's device at the time of authorisation creation	Fingerprint des Endgeräts des Käufers zum Zeitpunkt der Autorisierungsanlage
DeviceName	"device": {"name": "..."} }	ans..20	M	Name of the customer's device – will be displayed to customer within the portals.	Name des Endgeräts des Käufers – wird dem Käufer in seinen Portalen angezeigt.

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

Parameters for oneKlick registration with paydirekt

usageAgreement

Key	Format	CND	Description
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
StartDate	ans10	M	Date of first payment within formt "YYYY-MM-DD"
IntervalUnit	a..7	M	Payment interval ("DAY", "WEEK", "MONTH", "QUARTER", "YEAR")
Interval	n..	M	Frequency of payment

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
StartDate	ans10	M	Date of first payment within formt "YYYY-MM-DD"	Datum der ersten Zahlung im Format "JJJJ-MM-TT"

IntervalUnit	a..7	M	Payment interval ("DAY","WEEK","MONTH","QUARTER","YEAR")	Zahlungsintervall ("DAY","WEEK","MONTH","QUARTER","YEAR")
Interval	n..	M	Frequency of payment	Frequenz der Zahlung

Example usage Agreement as JSON string

```
{
  "amount": {
    "amount": 50,
    "currency": "EUR"
  },
  "startDate": "2019-09-01",
  "recurrenceInterval": {
    "intervalUnit": "WEEK",
    "interval": 8
  }
}
```

The parameter created within JSON format must be Base64 encoded.

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..20	M	TransactionID which should be unique for each payment
Status	a..50	M	OK or AUTHORIZE_REQUEST (URLSuccess) as well as FAILED (URLFailure)
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
refnr	ns..30	O	Merchant's unique reference number
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.

BillingAgreementID	an..44	O	CustomerAuthorizationReference of a valid buyer authorisation. Purpose: Rights enhancement of the issued token for the opportunity to execute actions on behalf of the customer within the scope of authorisation. Is needed for oneClick checkouts.
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

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..20	M	TransactionID which should be unique for each payment	TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK or AUTHORIZE_REQUEST (URLSuccess) as well as FAILED (URLFailure)	OK oder AUTHORIZE_REQUEST (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	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

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
refnr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

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
Billing AgreementID	an..44	O	CustomerAuthorizationReference of a valid buyer authorisation. Purpose: Rights enhancement of the issued token for the opportunity to execute actions on behalf of the customer within the scope of authorisation. Is needed for oneKlick checkouts.	CustomerAuthorizationReference einer gültigen Käuferautorisierung. Zweck: Rechteerweiterung des ausgestellten Tokens um die Möglichkeit, Aktionen im Namen dieses Käufers innerhalb des in der Autorisierung enthaltenen Scopes durchzuführen. Wird für oneKlick-Checkouts benötigt.

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 "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

Result parameters for URLNotify, URLSuccess and URLFailure in case of paydirekt

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

Key	Format	CND	Description
mid	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..20	M	TransactionID which should be unique for each payment
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
BillingAgreementID	an..44	O	CustomerAuthorizationReference of a valid buyer authorisation.
AuthorizationStatus	an..50		APPROVED, REVOKED or EXPIRED

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
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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	Format	CND	Description	Beschreibung
TransID	ans..20	M	TransactionID which should be unique for each payment	TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	Format	CND	Description	Beschreibung
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie nicht den Parameter Description , sondern Code für die Auswertung des Transaktionsstatus!

Key	Format	CND	Description	Beschreibung
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	Format	CND	Description	Beschreibung
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
BillingAgreementID	an..44	O	CustomerAuthorizationReference of a valid buyer authorisation.	CustomerAuthorizationReference einer gültigen Käuferautorisierung.
AuthorizationStatus	an..50		APPROVED, REVOKED or EXPIRED	APPROVED, REVOKED oder EXPIRED

Result parameters for URLConfirm in case of paydirekt

Calling the paydirekt oneKlick interface

Payments with oneKlick are possible via a server-to-server connection with help of the BillingAgreementID. Payments with oneKlick can be made as authorisation which has to be captured separately or as a sale transaction with immediate capture.

To carry out a oneKlick payment for paydirekt via a Server-to-Server connection, please use the following URL:

<https://www.computop-paygate.com/oneKlick.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..20	M	TransactionID which should be unique for each payment. The underscore may not be used.
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								
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)								
Order Desc	"order": { "description": "..."} "	ans..768	O	Description of purchased goods, unit prices etc.								
UserData	"metadata [userData]": "..."	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.								
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.								
Capture	"capture": {"auto": "Yes"} "capture": {"manual": "Yes"} "capture": ...	an..6	OM	<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).											
ShopApiKey	"payment": { "paydirekt": { "shopApiKey": "..."} }}	ans..64	M	API key of the shop with paydirekt								
shAmount	"amount": { "shippingTotal": ...}	n..10	O	Shipping costs in the smallest currency unit (e.g. EUR Cent) Please contact Computop Helpdesk , if you want to capture amounts < 100 (smallest currency unit).								
ShoppingBasketAmount	"amount": { "itemTotal": ...}	n..10	O	Value of ordered goods without shipping costs in the smallest currency unit (e.g. EUR Cent) Please contact Computop Helpdesk , if you want to capture amounts < 100 (smallest currency unit).								
Article List	"order": {"items": "..."} "	ans..1024	O	Article list with description of items and prices: <Quantity>;<Name>;<EAN>;<Price> <;> separates the fields of an article data set <+> separates the article data sets quantity: ordered quantity of the article Name: designation of the article EAN: international article number (EAN or GTIN), (if not known, submit as empty string "") Price: unit price of the article incl. taxes; amount in the smallest currency unit (e.g. EUR Cent)								
Email	"billing": { "contactInfo": { "email": "..."} }}	ans..100	O	Email address of the customer								
MinAge	"payment": { "paydirekt": { "minAge": "..."} }}	n..3	O	minimum age in years								
ShoppingBasketCategory	"payment": { "paydirekt": { "basketCategory": "..."} }}	a..8	O	Categorizes the shopping basket: „DIGITAL“ for shopping baskets with solely digital goods „PHYSICAL“ for shopping baskets with solely physical goods „MIXED“ for shopping baskets with digital and physical goods "ANONYMOUS_DONATION": The sopping basket solely is an anonymous donation "AUTHORITIES_PAYMENT": The sopping basket solely contains payments for authorities								

sdFirst Name	"shipping": { "consumer": { "firstName": "..."} }}	ans..50	C	First name in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and IS NOT „ANONYMOUS_DONATION“
sdLast Name	"shipping": { "consumer": { "lastName": "..."} }}	ans..50	C	Surname in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and IS NOT „ANONYMOUS_DONATION“
sdCompany	"shipping": { "business": { "companyLegalName": "..."} }}	ans..100	O	Company name in the delivery address
sdAddressAddition	"shipping": { "addressInfo": { "addressLine2": "..."} }}	ans..30	O	Address addition in the delivery address
sdStreet	"shipping": { "addressInfo": { "addressLine1": { "street": "..."} }}	ans..100	C	Street name in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdStreetNr	"shipping": { "addressInfo": { "addressLine1": { "streetNumber": "..."} }}	ans..8	C	Street number in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdZip	"shipping": { "addressInfo": { "postalCode": "..."} }}	n..5	C	Postcode in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdCity	"shipping": { "addressInfo": { "city": "..."} }}	ans..100	C	Town/city in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdCountryCode	"shipping": { "addressInfo": { "country": { "A2": "..." } }}	an2	C	Country code in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdEmail	"shipping": { "contactInfo": { "email": "..."} }}	ans..100	C	Email address of the receiver mandatory, if ShoppingBasketCategory = „DIGITAL“
IPAddress	"browserInfo": { "ipAddress": "..."} }}	ans..15	M	Customer's IP address
Note	"payment": { "paydirekt": { "note": "..."} }}	ans..37	O	Text that will be displayed as reason for payment to the customer
CustomerID	"billing": { "consumer": { "consumerId": "..."} }}	ans..64	O	Customer number
DeliveryMethod	"payment": { "paydirekt": { "deliveryMethod": "..." } }}	ans..12	O	Delivery place STANDARD, PACKSTATION or STORE_PICKUP. The default value is STANDARD. STANDARD: The goods will be delivered to a normal postal address. PACKSTATION: The goods will be delivered to a packstation. STORE_PICKUP: The goods will be picked-up within a branch store. For express checkouts this field always has the value STANDARD and will not be updated depending on selected delivery option.
DeliveryDate	"payment": { "paydirekt": { "deliveryDate": "..." } }}	dtmm	O	Expected date of shipment in the format YYYY-MM-DD
ParcelService	"payment": { "paydirekt": { "parcelService": "..." } }}	ans..16	O	Parcel service
TrackingNumber	"payment": { "paydirekt": { "trackingNumber": "..." } }}	ans..64	O	Consignment number
BillingAgreementID	"payment": { "paydirekt": { "billingAgreementId": "..." } }}	an..44	M	CustomerAuthorizationReference of a valid buyer authorisation. Purpose: Rights enhancement of the issued token for the opportunity to execute actions on behalf of the customer within the scope of authorisation. Is needed for oneClick checkouts.

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..20	M	TransactionID which should be unique for each payment. The underscore may not be used.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Es darf kein Unterstrich verwendet werden.

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
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
OrderDesc	"order": {"description": "..."} "..."}	ans..768	O	Description of purchased goods, unit prices etc.	Beschreibung der gekauften Waren, Einzelpreise etc.

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
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
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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
ShopApiKey	"payment": { "paydirekt": { "shopApiKey": "..." }} }	ans..64	M	API key of the shop with paydirekt	API-Key des Shops bei paydirekt
shippingAmount	"amount": { "shippingTotal": ... }	n..10	O	Shipping costs in the smallest currency unit (e.g. EUR Cent) Please contact Computop Helpdesk , if you want to capture amounts < 100 (smallest currency unit).	Versandkosten in der kleinsten Währungseinheit (z.B. EUR Cent) Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.
shoppingBasketAmount	"amount": { "itemTotal": ... }	n..10	O	Value of ordered goods without shipping costs in the smallest currency unit (e.g. EUR Cent) Please contact Computop Helpdesk , if you want to capture amounts < 100 (smallest currency unit).	Warenwert der Bestellung ohne Versandkosten in der kleinsten Währungseinheit (z.B. EUR Cent) Bitte wenden Sie sich an den Computop Helpdesk , wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.
Article List	"order": { "items": "..." }	ans..1024	O	Article list with description of items and prices: <Quantity>;<Name>;<EAN>;<Price> <> separates the fields of an article data set <+> separates the article data sets quantity: ordered quantity of the article Name: designation of the article EAN: international article number (EAN or GTIN), (if not known, submit as empty string "") Price: unit price of the article incl. taxes; amount in the smallest currency unit (e.g. EUR Cent)	Artikelliste mit Beschreibung der Waren und Preise: <Menge>;<Name>;<EAN>;<Preis> <> trennt Felder innerhalb eines Artikeldatensatzes <+> trennt mehrere Artikeldatensätze Menge: Anzahl der Positionen des Artikels Name: Bezeichnung des Artikels EAN: Internationale Artikelnummer (EAN bzw. GTIN), (falls nicht bekannt, dann als Leerstring "") Preis: Einzelpreis des Artikels inkl. Steuern; Betrag in der kleinsten Währungseinheit (z.B. EUR Cent)
Email	"billing": { "contactInfo": { "email": "..." }} }	ans..100	O	Email address of the customer	E-Mail-Adresse des Kunden
MinAge	"payment": { "paydirekt": { "minAge": "..." }} }	n..3	O	minimum age in years	Mindestalter in Jahren
shoppingBasketCategory	"payment": { "paydirekt": { "basketCategory": "..." }} }	a..8	O	Categorizes the shopping basket: „DIGITAL“ for shopping baskets with solely digital goods „PHYSICAL“ for shopping baskets with solely physical goods „MIXED“ for shopping baskets with digital and physical goods "ANONYMOUS_DONATION": The shopping basket solely is an anonymous donation "AUTHORITIES_PAYMENT": The shopping basket solely contains payments for authorities	Kategorisiert den Warenkorb: „DIGITAL“ für Warenkörbe mit ausschließlich digitalen Gütern „PHYSICAL“ für Warenkörbe mit ausschließlich physischen Gütern „MIXED“ für Warenkörbe mit sowohl digitalen als auch physischen Gütern "ANONYMOUS_DONATION": Beim Warenkorb handelt es sich ausschließlich um eine anonyme Spende "AUTHORITIES_PAYMENT": Beim Warenkorb handelt es sich ausschließlich um Behördenzahlungen
shippingFirst Name	"shipping": { "consumer": { "firstName": "..." }} }	ans..50	C	First name in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and IS NOT „ANONYMOUS_DONATION“	Vorname in der Lieferanschrift. Pflicht, wenn ShoppingBasketCategory IST NICHT „AUTHORITIES_PAYMENT“ und IST NICHT „ANONYMOUS_DONATION“

sdLast Name	"shipping": { "consumer": { "lastName": "..."} }}	ans..50	C	Surname in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT" and IS NOT „ANONYMOUS_DONATION"	Nachname in der Lieferanschrift. Pflicht, wenn ShoppingBasketCategory IST NICHT „AUTHORITIES_PAYMENT" und IST NICHT „ANONYMOUS_DONATION"
sdCompany	"shipping": { "business": { "companyLegalName": "..."} }}	ans..100	O	Company name in the delivery address	Firmenname in der Lieferanschrift
sdAddressAddition	"shipping": { "addressInfo": { "addressLine2": "..."} }}	ans..30	O	Address addition in the delivery address	Adresszusatz in der Lieferanschrift
sdStreet	"shipping": { "addressInfo": { "addressLine1": { "street": "..."} }}	ans..100	C	Street name in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Straßenname in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdStreetNr	"shipping": { "addressInfo": { "addressLine1": { "streetNumber": "..."} }}	ans..8	C	Street number in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Hausnummer in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdZip	"shipping": { "addressInfo": { "postalCode": "..."} }}	n..5	C	Postcode in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Postleitzahl in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdCity	"shipping": { "addressInfo": { "city": "..."} }}	ans..100	C	Town/city in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Ort in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdCountryCode	"shipping": { "addressInfo": { "country": { "A2": "..." } }}	an2	C	Country code in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Ländercode in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdEmail	"shipping": { "contactInfo": { "email": "..."} }}	ans..100	C	Email address of the receiver mandatory, if ShoppingBasketCategory = „DIGITAL"	E-Mail-Adresse des Empfängers Pflicht, wenn ShoppingBasketCategory = „DIGITAL"
IPAddress	"browserInfo": { "ipAddress": "..."} }}	ans..15	M	Customer's IP address	IP-Adresse des Kunden
Note	"payment": { "paydirekt": { "note": "..."} }}	ans..37	O	Text that will be displayed as reason for payment to the customer	Text, der dem Kunden im Verwendungszweck angezeigt wird
CustomerID	"billing": { "consumer": { "consumerId": "..."} }}	ans..64	O	Customer number	Kundennummer
DeliveryMethod	"payment": { "paydirekt": { "deliveryMethod": "..." } }}	ans..12	O	Delivery place STANDARD, PACKSTATION or STORE_PICKUP. The default value is STANDARD. STANDARD: The goods will be delivered to a normal postal address. PACKSTATION: The goods will be delivered to a packstation. STORE_PICKUP: The goods will be picked-up within a branch store. For express checkouts this field always has the value STANDARD and will not be updated depending on selected delivery option.	Lieferort: STANDARD, PACKSTATION oder STORE_PICKUP. Der Standardwert ist STANDARD. STANDARD: Die Güter werden an eine gewöhnliche Postadresse geliefert. PACKSTATION: Die Güter werden an eine Packstation geliefert. STORE_PICKUP: Die Güter werden in der Filiale abgeholt. Dieses Feld enthält bei Express-Checkouts immer den Wert STANDARD und wird nicht anhand der gewählten Lieferoption aktualisiert.
DeliveryDate	"payment": { "paydirekt": { "deliveryDate": "..." } }}	dtm	O	Expected date of shipment in the format YYYY-MM-DD	Erwartetes Versanddatum im Format JJJJ-MM-TT

Parcel Service	"payment": { "paydirekt": {"parcelService": "..." } }	ans..16	O	Parcel service	Paket-Dienstleister
Tracking Number	"payment": { "paydirekt": {"trackingNumber": "..." } }	ans..64	O	Consignment number	Sendungsnummer
Billing AgreementID	"payment": { "paydirekt": {"billingAgreementId": "..." } }	an..44	M	CustomerAuthorizationReference of a valid buyer authorisation. Purpose: Rights enhancement of the issued token for the opportunity to execute actions on behalf of the customer within the scope of authorisation. Is needed for oneKlick checkouts.	CustomerAuthorizationReference einer gültigen Käuferautorisierung. Zweck: Rechteerweiterung des ausgestellten Tokens um die Möglichkeit, Aktionen im Namen dieses Käufers innerhalb des in der Autorisierung enthaltenen Scopes durchzuführen. Wird für oneKlick-Checkouts benötigt.

Parameters for payments with paydirekt oneKlick

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..20	M	TransactionID which should be unique for each payment
Status	"status": "OK" "status": "AUTHORIZE_REQUEST" "status": "FAILED"	a..50	M	OK or AUTHORIZE_REQUEST (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 but the Code parameter for the transaction status analysis!
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
UserData	"metadata[userData]": "..."	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
TID		ans..32	O	Unique ID of this activity and all associated transactions at paydirekt. This ID exists as soon as a customer has logged in at the checkout page.
Reference		ans..36	M	Unique ID of this activity at paydirekt
TransactionID		ans36	O	Unique transaction-ID (UUID). The value is assigned by the paydirekt system.
ShoppingBasketCategory	"payment": { "paydirekt": {"basketCategory": "..." } }	a..8	O	Categorizes the shopping basket: „DIGITAL“ for shopping baskets with solely digital goods „PHYSICAL“ for shopping baskets with solely physical goods „MIXED“ for shopping baskets with digital and physical goods "ANONYMOUS_DONATION": The shopping basket solely is an anonymous donation "AUTHORITIES_PAYMENT": The shopping basket solely contains payments for authorities
sdFirstName	"shipping": { "consumer": { "firstName": "..." } }	ans..50	C	First name in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and IS NOT „ANONYMOUS_DONATION“
sdLastName	"shipping": { "consumer": { "lastName": "..." } }	ans..50	C	Surname in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and IS NOT „ANONYMOUS_DONATION“
sdCompany	"shipping": { "business": { "companyLegalName": "..." } }	ans..100	O	Company name in the delivery address

sdAddressAddition	"shipping": {"addressInfo": {"addressLine2": "..."} }	ans..30	O	Address addition in the delivery address
sdStreet	"shipping": {"addressInfo": {"addressLine1": {"street": "..."} } }	ans..100	C	Street name in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdStreetNr	"shipping": {"addressInfo": {"addressLine1": {"streetNumber": "..."} } }	ans..8	C	Street number in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdZip	"shipping": {"addressInfo": {"postalCode": "..."} }	n..5	C	Postcode in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdCity	"shipping": {"addressInfo": {"city": "..."} }	ans..100	C	Town/city in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdCountryCode	"shipping": {"addressInfo": {"country": {"A2": "..."} } }	an2	C	Country code in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"
sdEMail	"shipping": {"contactInfo": {"email": "..."} }	ans..100	C	Email address of the receiver mandatory, if ShoppingBasketCategory = „DIGITAL“
AgeAccepted		a..12	O	ACCEPTED or NOT ACCEPTED

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..20	M	TransactionID which should be unique for each payment	TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "AUTHORIZE_REQUEST" "status": "FAILED"	a..50	M	OK or AUTHORIZE_REQUEST (URLSuccess) as well as FAILED (URLFailure)	OK oder AUTHORIZE_REQUEST (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": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung
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refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers
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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
TID		ans..32	O	Unique ID of this activity and all associated transactions at paydirekt. This ID exists as soon as a customer has logged in at the checkout page.	Eindeutige Identifikation des Vorgangs und aller dazugehörigen Transaktionen bei paydirekt. Diese ID ist vorhanden, sobald sich ein Kunde auf der Checkout-Seite eingeloggt hat.
Reference		ans..36	M	Unique ID of this activity at paydirekt	Eindeutige ID des Vorgangs bei paydirekt
TransactionID		ans36	O	Unique transaction-ID (UUID). The value is assigned by the paydirekt system.	Eindeutige Transaktions-ID (UUID). Der Wert wird durch das paydirekt-System vergeben.
ShoppingBasketCategory	"payment": {"paydirekt": {"basketCategory": "..."} }	a..8	O	Categorizes the shopping basket: „DIGITAL“ for shopping baskets with solely digital goods „PHYSICAL“ for shopping baskets with solely physical goods „MIXED“ for shopping baskets with digital and physical goods "ANONYMOUS_DONATION": The shopping basket solely is an anonymous donation "AUTHORITIES_PAYMENT": The shopping basket solely contains payments for authorities	Kategorisiert den Warenkorb: „DIGITAL“ für Warenkörbe mit ausschließlich digitalen Gütern „PHYSICAL“ für Warenkörbe mit ausschließlich physischen Gütern „MIXED“ für Warenkörbe mit sowohl digitalen als auch physischen Gütern "ANONYMOUS_DONATION": Beim Warenkorb handelt es sich ausschließlich um eine anonyme Spende "AUTHORITIES_PAYMENT": Beim Warenkorb handelt es sich ausschließlich um Behördenzahlungen
sdFirstName	"shipping": {"consumer": {"firstName": "..."} }	ans..50	C	First name in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and IS NOT „ANONYMOUS_DONATION“	Vorname in der Lieferanschrift. Pflicht, wenn ShoppingBasketCategory IST NICHT „AUTHORITIES_PAYMENT“ und IST NICHT „ANONYMOUS_DONATION“
sdLastName	"shipping": {"consumer": {"lastName": "..."} }	ans..50	C	Surname in the delivery address. Mandatory, if ShoppingBasketCategory IS NOT „AUTHORITIES_PAYMENT“ and IS NOT „ANONYMOUS_DONATION“	Nachname in der Lieferanschrift. Pflicht, wenn ShoppingBasketCategory IST NICHT „AUTHORITIES_PAYMENT“ und IST NICHT „ANONYMOUS_DONATION“
sdCompany	"shipping": {"business": {"companyLegalName": "..."} }	ans..100	O	Company name in the delivery address	Firmenname in der Lieferanschrift
sdAddressAddition	"shipping": {"addressInfo": {"addressLine2": "..."} }	ans..30	O	Address addition in the delivery address	Adresszusatz in der Lieferanschrift
sdStreet	"shipping": {"addressInfo": {"addressLine1": {"street": "..."} }}	ans..100	C	Street name in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Straßenname in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdStreetNr	"shipping": {"addressInfo": {"addressLine1": {"streetNumber": "..."} }}	ans..8	C	Street number in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Hausnummer in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdZip	"shipping": {"addressInfo": {"postalCode": "..."} }	n..5	C	Postcode in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Postleitzahl in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdCity	"shipping": {"addressInfo": {"city": "..."} }	ans..100	C	Town/city in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Ort in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"

sdCountryCode	"shipping": { "addressInfo": { "country": { "A2": "..." } } }	an2	C	Country code in the delivery address Mandatory, if ShoppingBasketCategory IS NOT "DIGITAL" and IS NOT "AUTHORITIES_PAYMENT" and IS NOT "ANONYMOUS_DONATION"	Ländercode in der Lieferanschrift Pflicht, wenn ShoppingBasketCategory IST NICHT "DIGITAL" und IST NICHT "AUTHORITIES_PAYMENT" und IST NICHT "ANONYMOUS_DONATION"
sdEMail	"shipping": { "contactInfo": { "email": "..." } }	ans..100	C	Email address of the receiver mandatory, if ShoppingBasketCategory = „DIGITAL“	E-Mail-Adresse des Empfängers Pflicht, wenn ShoppingBasketCategory = „DIGITAL“
AgeAccepted		a..12	O	ACCEPTED or NOT ACCEPTED	ACCEPTED oder NOT ACCEPTED

Result parameters for URLNotify, URLSuccess and URLFailure in case of paydirekt oneKlick

Capture

Captures are possible via a Server-to-Server connection. To carry out a Capture for paydirekt via a Server-to-Server connection, please use the following URL:

<https://www.computop-paygate.com/capture.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 captured
TransID	"transactionId": "..."	ans..20	M	TransactionID which should be unique for each payment. The underscore may not be used.
RefNr	"referenceNumber": "..."	ns..30	O	Merchant reference number: here a separate reference number, e.g. an invoice number, can be transferred
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)
Order Desc	"order": { "description": "..." }	ans..768	O	Description of purchased goods, unit prices etc.
UserData	"metadata [userData]": "..."	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
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.

CompleteType	"payment": { "paydirekt": {"completeType": "..."} }	ans..3	O	If <YES> is transferred, the possible open order of paydirekt is closed on capture.
Note	"payment": { "paydirekt": {"note": "..."} }	ans..37	O	Text that will be displayed as reason for payment to the customer

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..20	M	TransactionID which should be unique for each payment. The underscore may not be used.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Es darf kein Unterstrich verwendet werden.
RefNr	"referenceNumber": "..."	ns..30	O	Merchant reference number: here a separate reference number, e.g. an invoice number, can be transferred	Referenznummer des Händlers: hier kann eine separate Referenznummer wie z.B. Rechnungsnummer übergeben werden

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
OrderDesc	"order": {"description": "..."}	ans..768	O	Description of purchased goods, unit prices etc.	Beschreibung der gekauften Waren, Einzelpreise etc.

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
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
CompleteType	"payment": {"paydirekt": {"completeType": "..."} }	ans..3	O	If <YES> is transferred, the possible open order of paydirekt is closed on capture.	Wird <YES> übergeben, wird bei der Buchung die mögliche offene Order von paydirekt geschlossen.
Note	"payment": {"paydirekt": {"note": "..."} }	ans..37	O	Text that will be displayed as reason for payment to the customer	Text, der dem Kunden im Verwendungszweck angezeigt wird

Parameters for paydirekt captures

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..20	M	TransactionID which should be unique for each payment
Status	"status": "OK" "status": "CAPTURE_REQUEST" "status": "FAILED"	a..50	M	OK, CAPTURE_REQUEST or FAILED
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": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
UserData	"metadata[userData]": "..."	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
TransactionID		ans36	O	Unique transaction-ID of this capture (UUID). The value is assigned by the paydirekt system.

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..20	M	TransactionID which should be unique for each payment	Transaktions-ID, die für jede Zahlung eindeutig sein muss
Status	"status": "OK" "status": "CAPTURE_REQUEST" "status": "FAILED"	a..50	M	OK, CAPTURE_REQUEST or FAILED	OK, CAPTURE_REQUEST oder FAILED

Key	REST	Format	CND	Description	Beschreibung
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Descrip tion	"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!
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Key	REST	Format	CND	Description	Beschreibung
Code	"code": ...	n8	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

Key	REST	Format	CND	Description	Beschreibung
UserD ata	"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
Transac tionID		ans36	O	Unique transaction-ID of this capture (UUID). The value is assigned by the paydirekt system.	Eindeutige Transaktions-ID dieser Buchung (UUID). Der Wert wird durch das paydirekt-System vergeben.

Result parameters for paydirekt captures

Credit with reference

Credits (refunds) are possible via a Server-to-Server connection. Credits are possible up to 200% of the captured amount, if this is configured by [Comp utop Helpdesk](#) for the merchant and that payment method. 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
Merch antID	BasicAuth . Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	"paymentI d": "..."	an32	M	ID assigned by Paygate for the payment to be credited
TransID	"transacti onId": "..."	ans..20	M	TransactionID which should be unique for each payment. The underscore may not be used.
RefNr	"reference Number": "..."	ns..30	O	Reference number (e.g. invoice number) which must be unique for each return shipment
Amou nt	"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).
Curren cy	"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)
Order Desc	"order": {"description": "..."}]	ans..768	O	Description of purchased goods, unit prices etc.
UserData	"metadata[userData]": "..."	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
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.
Note	"payment": {"paydirekt": {"note": "..."} }	ans..37	O	Text that will be displayed as reason for payment to the customer

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..20	M	TransactionID which should be unique for each payment. The underscore may not be used.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Es darf kein Unterstrich verwendet werden.
RefNr	"referenceNumber": "..."	ns..30	O	Reference number (e.g. invoice number) which must be unique for each return shipment	Referenznummer (z.B. Rechnungsnummer), die für jede Retoure eindeutig sein muss

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
OrderDesc	"order": {"description": "..."}]	ans..768	O	Description of purchased goods, unit prices etc.	Beschreibung der gekauften Waren, Einzelpreise etc.

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
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
Note	"payment": {"paydirekt": {"note": "..."} }	ans..37	O	Text that will be displayed as reason for payment to the customer	Text, der dem Kunden im Verwendungszweck angezeigt wird

Parameters for credits of paydirekt 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..20	M	TransactionID 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": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
UserData	"metadata [userData]": "..."	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
TransactionID		ans36	O	Unique transaction-ID (UUID). The value is assigned by the paydirekt system.

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
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TransID	"transactionId": "..."	ans..20	M	TransactionID which should be unique for each payment	Transaktions-ID, die für jede Zahlung eindeutig sein muss
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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": "..."	n8	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

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
TransactionID		ans36	O	Unique transaction-ID (UUID). The value is assigned by the paydirekt system.	Eindeutige Transaktions-ID (UUID). Der Wert wird durch das paydirekt-System vergeben.

Result parameters for credits of paydirekt payments

Reverse

Reversals are possible via a Server-to-Server connection. In order to reverse a paydirekt transaction, please use the following URL:

<https://www.computop-paygate.com/reverse.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 reversed
TransID	"transactionId": "..."	ans..20	M	TransactionID which should be unique for each payment. The underscore may not be used.

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..20	M	TransactionID which should be unique for each payment. The underscore may not be used.	TransaktionsID, die für jede Zahlung eindeutig sein muss. Es darf kein Unterstrich verwendet werden.

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.

Parameters for reversals of paydirekt 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..20	M	TransactionID which should be unique for each payment
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
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": ...	n8	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..20	M	TransactionID which should be unique for each payment	Transaktions-ID, die für jede Zahlung eindeutig sein muss

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
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
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Descri ption	"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!
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Key	REST	Format	CND	Description	Beschreibung
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Result parameters for reversal of paydirekt payments

Batch processing via the interface

Basic information about using Batch files and about their structure can be found in the Batch Manager manual. Within batch processing not alle functions are available which are usually available for the online interface.

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

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

Action	Version	Description
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)
Credit	1.0 / 2.0	Standard version without return of parameter Code
	1.x / 2.x	with RefNr (valid for all versions other than 1.0)

Description of the possible batch versions

The structure for a paydirekt payment within a Batch file to be submitted is the following:

```
HEAD,<MerchantID>,<Date>,<Version>
PAYDIREKT,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
PAYDIREKT,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
PAYDIREKT,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, PAYDIRECT for paydirekt
Action	a..20	M	The parameter Action defines the type of transaction: Capture Credit 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
refnr	ns..30	O	Merchant's unique reference number
PayID	an32	M	ID assigned by Paygate for this transaction

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

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

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

Description of fields within the record for Batch files

The record area within the response file for Batch transactions looks as follows:

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

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

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	Format	CND	Description	Beschreibung
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Description of result parameters within the record for Batch files