

Thunes (Limonetik)

- [About Thunes](#)
 - [General information about Thunes](#)
 - [Process flow chart](#)
- [Paygate interface](#)
 - [Definitions](#)
 - [Data formats](#)
 - [Abbreviations](#)
 - [Call of interface for Thunes](#)
 - [Capture](#)
 - [Credit with reference](#)
 - [Reversal](#)
- [Batch processing via the interface](#)

About Thunes

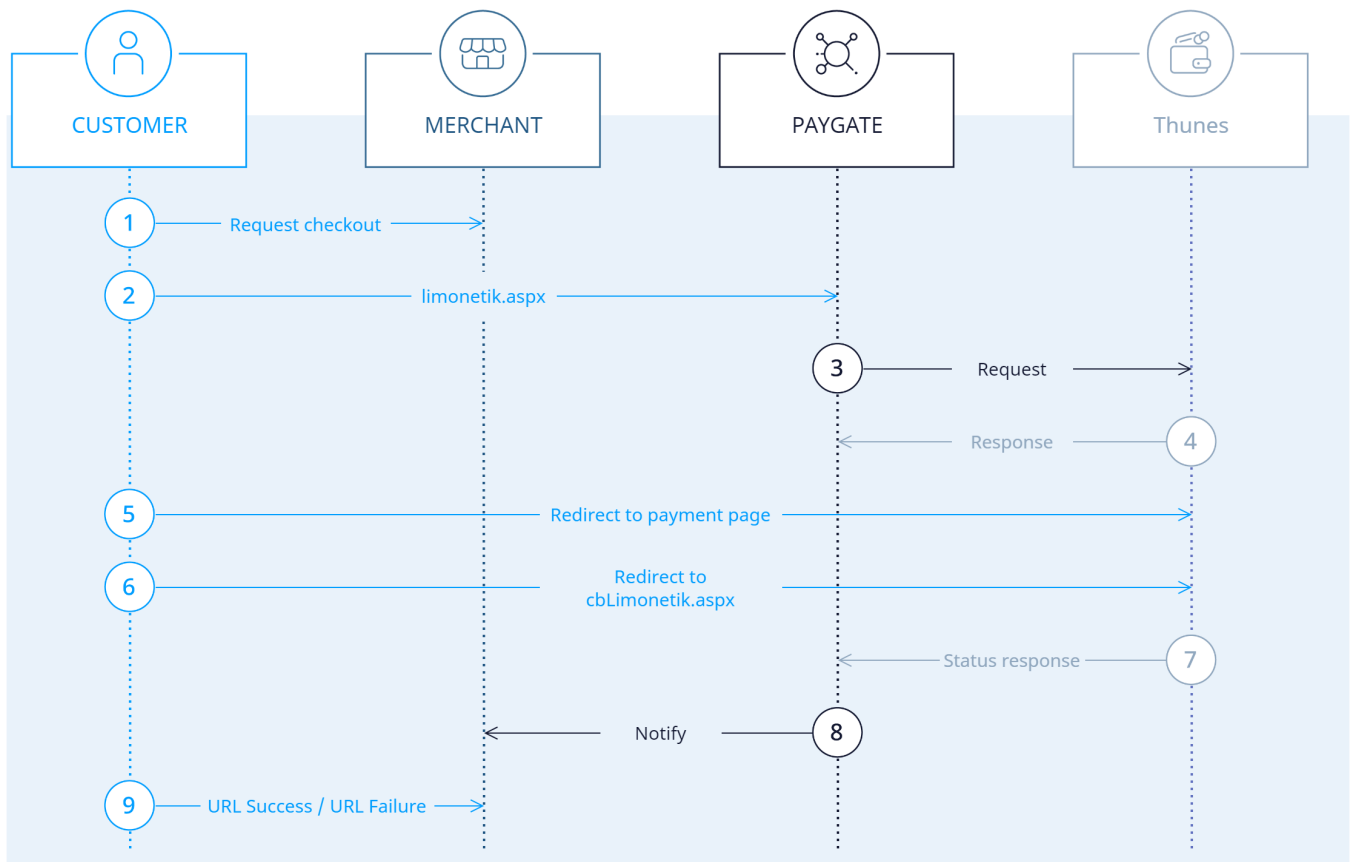
General information about Thunes

In France, Computop customers can offer the local payment methods Cofidis, [1euro.com](#), Cetelem and Facilypay which specialize in instalment payments for credit card transactions. Online shoppers can pay for orders conveniently by credit card, however are not charged to the full amount in a one-off transaction but in fixed instalments over several months. Merchants receive the amount due immediately after the order has been actuated and so have high payment security. In addition to the instalment payment methods, Computop offers Cheque-Vacances (eANCV) and its wallet version Cheque-Vacances Connect (cvconnect), a payment method which enables shoppers to shop online with vouchers. With the new payment methods which are extremely popular in France, merchants can achieve a increase in their turnover rates in French eCommerce.

Logo	
Info	In France, Computop customers can offer the local payment methods Cofidis, 1euro.com , Cetelem and Facilypay which specialize in instalment payments for credit card transactions. Online shoppers can pay for orders conveniently by credit card, however are not charged to the full amount in a one-off transaction but in fixed instalments over several months. Merchants receive the amount due immediately after the order has been actuated and so have high payment security.
Type	Mixed payment methods

Further information can be found on the webpage of Thunes (<https://www.thunes.com/>).

Process flow chart



Thunes process flow (pls. note: limonetik.aspx)

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.

Call of interface for Thunes

To make a payment with Thunes (Limonetik) over a Paygate form, please use the following URL:

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

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

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

Key	Format	CND	Description								
MerchantID	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.								
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment								
refnr	ns..30	O	Merchant's unique reference number								
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).								
TaxAmount	n..10	O	Tax amount of the entire order in the smallest currency unit (e.g. EUR Cent)								
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	ans..128	O	Description of purchased goods, unit prices etc.								
Capture	an..6	OM	Determines the type and time of capture. <table><tr><th>Capture Mode</th><th>Description</th></tr><tr><td>AUTO</td><td>Capturing immediately after authorisation (default value).</td></tr><tr><td>MANUAL</td><td>Capturing made by the merchant. Capture is normally initiated at time of delivery.</td></tr><tr><td><Number></td><td>Delay in hours until the capture (whole number; 1 to 696).</td></tr></table>	Capture Mode	Description	AUTO	Capturing immediately after authorisation (default value).	MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.	<Number>	Delay in hours until the capture (whole number; 1 to 696).
Capture Mode	Description										
AUTO	Capturing immediately after authorisation (default value).										
MANUAL	Capturing made by the merchant. Capture is normally initiated at time of delivery.										
<Number>	Delay in hours until the capture (whole number; 1 to 696).										
URLSuccess	ans..256	M	Complete URL which calls up Paygate if payment has been successful. The URL may be called up only via port 443. This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData .  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	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	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.
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
ReqID	ans..32	O	To avoid double payments 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.
PaymentType	ans..21	M	Payment method that shall be used. Possible values: cofidis3xcb cofidis4xcb 1euro echequevacances facilypay-3x (FR & DE) facilypay-3xsansfrais facilypay-4x facilypay-4xsansfrais cvconnect cetelem3xcb cetelem4xcb upchequedejeuner apetiz passrestaurant sofinco2xcb sofinco2xcbsansfrais sofinco3xcb sofinco3xcbsansfrais sofinco4xcb sofinco4xcbsansfrais giftcardbanqueaccord
			Invoicing address
CompanyName	ans..50	C	Company name, if shop delivery, StorePickup, Network-Pickup or TravelPickup is selected

CustomerID	ans..20	C	Customer number Mandatory with Facilypay and Sofinco
CustomerClassification	a..12	C	Hint about customer type. Possible values: Professional, Individual Mandatory with Facilypay
CustomerInformation	ans..100	C	Additional information about the customer. For Cetelem the merchant can submit several values separated by which are agreed between merchant and Cetelem. Example: CustomerInformation =CFID=true CNEW=false Mandatory with Facilypay, Cetelem
Salutation	ans..20	C	Salutation Mandatory with Facilypay, Cetelem and Cofidis
FirstName	ans..50	C	First name Mandatory with Facilypay, Cetelem and Cofidis
LastName	ans..50	C	Last name Mandatory with Facilypay, Cetelem and Cofidis
Street	ans..80	C	Street name and street number Mandatory with Facilypay, Cetelem and Cofidis
AddressAddition	ans..80	O	Address c/o
ZIPCode	ans..10	C	Postcode Mandatory with Facilypay, Cetelem and Cofidis
City	ans..100	C	City Mandatory with Facilypay, Cetelem and Cofidis
CountryCode	a2	C	Two characters country code according to ISO 3166-1 alpha-2 Available are FR and DE. Mandatory with Facilypay, Sofinco, cvconnect, Cetelem, upchequedejeuner and Cofidis
Email	ans..100	C	E-mail address Mandatory with Facilypay, Cetelem, Cofidis, CVConnect and Cheque-Vacances (eANCV) with split payments,, giftcardbanqueaccord and Sofinco (all connected pay types), upchequedejeuner, apetiz, passrestaurant
Phone	ns..50	OC	Phone number: is not mandatory for FacilyPay and Cetelem if parameter MobileNo is transmitted. e.g. +49123456789 Mandatory with Cofidis
MobileNo	ns..50	OC	Mobile phone number: is not mandatory for FacilyPay and Cetelem if parameter Phone is transmitted. e.g. +49123456789 Mandatory with Cofidis
Language	as5	O	Language for displaying the form. Possible de-DE or fr-FR. Default value: fr-FR
			Delivery address
sdCompanyName	ans..50	C	Company name in the delivery address Mandatory with Facilypay if ShippingData Type StorePickup, NetworkPickup, TravelPickup or Other is selected
sdSalutation	ans..20	C	Salutation in the delivery address Mandatory with Facilypay, Cetelem and Sofinco
sdFirstName	ans..50	C	First name in the delivery address Mandatory with Facilypay, Cetelem and Sofinco
sdLastName	ans..50	C	Last name in the delivery address Mandatory with Facilypay, Cetelem and Sofinco
sdStreet	ans..80	C	Street name and street number in the delivery address Mandatory with Facilypay, Cetelem and Sofinco

sdAddressAddition	ans..80	O	Address addition in the delivery address
sdZipCode	ans..10	C	Postcode in the delivery address Mandatory with Facilypay, Cetelem and Sofinco
sdCity	ans..100	C	Town/city in the delivery address Mandatory with Facilypay, Cetelem and Sofinco
sdCountryCode	a2	C	Country code for the delivery address, 2 characters according to ISO 3166-1. Mandatory with Facilypay, Cetelem and Sofinco
sdPhone	ans..50	OC	Phone number: is not mandatory for FacilyPay and Cetelem if parameter MobileNo is transmitted. e.g. +49123456789
sdMobileNo	ans..50	OC	Mobile phone number: is not mandatory for FacilyPay and Cetelem if parameter Phone is transmitted. e.g. +49123456789
			Product information
Article List	ans..1024	C	Article list. Mandatory with Facilypay. These parameters must have the following structure: ID,Description,UnitPrice,Quantity,Category,Brand Several articles can be separated with a +, e.g.: 123,iPhone 6s,700,1,Phones,Apple+321,Galaxy S7,700,2,Phones,Samsung Possible values for Category: • ComputersAndSoftware • Electronics • Phones • Appliances • HomeAndGarden • Fashion • HealthAndBeauty • Jewellery • Sport • LeisureAndHobbies • CarsAndMotorbikes • Furniture • KidsAndBaby • VideoGamesAndConsoles • ToysAndGames • Pets • FoodAndDrink • GiftAndFlowers • Entertainment • Travel • AuctionsAndGroupBuying • ServicesForIndividuals • ServicesForProfessionals

ShippingData	ans..1024	C	Delivery data. Mandatory with Facilypay. These parameters must have the following structure: Type,Description,Speed,ExpectedDate,ExpectedDelay e.g.: Other,DHL,Standard,2016-06-30,3 Possible values for Type: • StorePickup • NetworkPickup • TravelPickup • Carrier • EDelivery • Other Possible values for Speed: • Express • Standard
--------------	-----------	---	---

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
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
TaxAmount	n..10	O	Tax amount of the entire order in the smallest currency unit (e.g. EUR Cent)	Steuerbetrag der gesamten Bestellung in der kleinsten Währungseinheit (z.B. EUR Cent)

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
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
OrderDesc	ans..128	O	Description of purchased goods, unit prices etc.	Beschreibung der gekauften Waren, Einzelpreise etc.

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

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	Format	CND	Description	Beschreibung
URLSuccess	ans..256	M	Complete URL which calls up Paygate if payment has been successful. The URL may be called up only via port 443. This URL may not contain parameters: In order to exchange values between Pay gate 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	Format	CND	Description	Beschreibung
URLFailure	ans..256	M	Complete URL which calls up Paygate if payment has been unsuccessful. The URL may be called up only via port 443. This URL may not contain parameters: In order to exchange values between Pay gate 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	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	Format	CND	Description	Beschreibung
URLNotify	ans..256	M	Complete URL which Paygate calls up in order to notify the shop about the payment result. The URL may be called up only via port 443. It may not contain parameters: Use the UserData parameter instead. Common notes: - We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate - However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.	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	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
-----	--------	-----	-------------	--------------

ReqId	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.	Um Doppelzahlungen (z.B. durch ETM) zu vermeiden, übergeben Sie einen alphanumerischen Wert, der Ihre Transaktion oder Aktion identifiziert und nur einmal vergeben werden darf. Falls die Transaktion oder Aktion mit derselben ReqID erneut eingereicht wird, führt das Computop Paygate keine Zahlung oder weitere Aktion aus, sondern gibt nur den Status der ursprünglichen Transaktion oder Aktion zurück. Bitte beachten Sie, dass das Computop Paygate für die erste initiale Aktion (Authentifizierung/Autorisierung) einen abgeschlossenen Transaktionsstatus haben muss. Dies gilt nicht für 3-D Secure Authentifizierungen, die durch 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	Format	CND	Description	Beschreibung
PayType	ans..21	M	Payment method that shall be used. Possible values: cofidis3xcb cofidis4xcb 1euro echequevacances facilypay-3x (FR & DE) facilypay-3xsansfrais facilypay-4x facilypay-4xsansfrais cvconnect cetelem3xcb cetelem4xcb upchequedejeuner apetiz passrestaurant sofinco2xcb sofinco2xcbsansfrais sofinco3xcb sofinco3xcbsansfrais sofinco4xcb sofinco4xcbsansfrais giftcardbanqueaccord	Zahlungsart, die verwendet werden soll. Mögliche Werte: cofidis3xcb cofidis4xcb 1euro echequevacances facilypay-3x (FR & DE) facilypay-3xsansfrais facilypay-4x facilypay-4xsansfrais cvconnect cetelem3xcb cetelem4xcb upchequedejeuner apetiz passrestaurant sofinco2xcb sofinco2xcbsansfrais sofinco3xcb sofinco3xcbsansfrais sofinco4xcb sofinco4xcbsansfrais giftcardbanqueaccord
			Invoicing address	Rechnungsadresse
Company Name	ans..50	C	Company name, if shop delivery, StorePickup, Network-Pickup or TravelPickup is selected	Firmenname, wenn shop delivery, StorePickup, Network-Pickup oder TravelPickup gewählt wurde
CustomerID	ans..20	C	Customer number Mandatory with Facilypay and Sofinco	Kundennummer Pflicht bei Facilypay und Sofinco
CustomerClassification	a..12	C	Hint about customer type. Possible values: Professional, Individual Mandatory with Facilypay	Kundentypenbezeichnung. Mögliche Werte: Professional, Individual Pflicht bei Facilypay
CustomerInformation	ans..100	C	Additional information about the customer. For Cetelem the merchant can submit several values separated by which are agreed between merchant and Cetelem. Example: CustomerInformation =CFID=true CNEW=false Mandatory with Facilypay, Cetelem	Zusätzliche Information zum Kunden. Bei Cetelem kann der Händler mehrere Werte getrennt durch übergeben, die zwischen Händler und Cetelem abgesprochen sind. Zum Beispiel: CustomerInformation =CFID=true CNEW=false Pflicht bei Facilypay, Cetelem
Salutation	ans..20	C	Salutation Mandatory with Facilypay, Cetelem and Cofidis	Anrede Pflicht bei Facilypay, Cetelem und Cofidis
FirstName	ans..50	C	First name Mandatory with Facilypay, Cetelem and Cofidis	Vorname Pflicht bei Facilypay, Cetelem und Cofidis
LastName	ans..50	C	Last name Mandatory with Facilypay, Cetelem and Cofidis	Nachname Pflicht bei Facilypay, Cetelem und Cofidis

Street	ans..80	C	Street name and street number Mandatory with Facilypay, Cetelem and Cofidis	Straße und Hausnummer Pflicht bei Facilypay, Cetelem und Cofidis
AddressAddition	ans..80	O	Address c/o	Adresszusatz
ZIPCode	ans..10	C	Postcode Mandatory with Facilypay, Cetelem and Cofidis	Postleitzahl Pflicht bei Facilypay, Cetelem und Cofidis
City	ans..100	C	City Mandatory with Facilypay, Cetelem and Cofidis	Ort Pflicht bei Facilypay, Cetelem und Cofidis
Country Code	a2	C	Two characters country code according to ISO 3166-1 alpha-2 Available are FR and DE. Mandatory with Facilypay, Sofinco, cvconnect, Cetelem, upchequedejeuner and Cofidis	Ländercode zweistellig gemäß ISO 3166-1 alpha-2) Verfügbar sind FR und DE. Pflicht bei Facilypay, Sofinco, cvconnect, Cetelem, upchequedejeuner und Cofidis
Email	ans..100	C	E-mail address Mandatory with Facilypay, Cetelem, Cofidis, CVConnect and Cheque-Vacances (eANCV) with split payments., giftcardbanqueaccord and Sofinco (all connected pay types), upchequedejeuner, apetiz, passrestaurant	E-Mail-Adresse Pflicht bei Facilypay, Cetelem, Cofidis, CVConnect und Cheque-Vacances (eANCV) mit Ratenzahlungen, Sofinco (alle verbundenen Zahlarten), giftcardbanqueaccord, upchequedejeuner, apetiz, passrestaurant
Phone	ns..50	OC	Phone number: is not mandatory for FacilityPay and Cetelem if parameter MobileNo is transmitted. e.g. +49123456789 Mandatory with Cofidis	Telefonnummer: muss bei FacilityPay und Cetelem nicht übergeben werden, wenn der Parameter MobileNo übergeben wird. z.B. +49123456789 Pflicht bei Cofidis
Mobile No	ns..50	OC	Mobile phone number: is not mandatory for FacilityPay and Cetelem if parameter Phone is transmitted. e.g. +49123456789 Mandatory with Cofidis	Handynummer: muss bei FacilityPay und Cetelem nicht übergeben werden, wenn der Parameter Phone übergeben wird. z.B. +49123456789 Pflicht bei Cofidis
Language	as5	O	Language for displaying the form. Possible de-DE or fr-FR. Default value: fr-FR	Sprache in der das Formular angezeigt werden soll. Möglich de-DE oder fr-FR. Standardwert: fr-FR
			Delivery address	Lieferadresse
sdCompany Name	ans..50	C	Company name in the delivery address Mandatory with Facilypay if ShippingData Type StorePickup, NetworkPickup, TravelPickup or Other is selected	Firmenname in der Lieferadresse Pflicht bei Facilypay, wenn ShippingData Type StorePickup, NetworkPickup, TravelPickup oder Other gewählt wurde
sdSalutation	ans..20	C	Salutation in the delivery address Mandatory with Facilypay, Cetelem and Sofinco	Anrede in der Lieferadresse Pflicht bei Facilypay, Cetelem und Sofinco
sdFirst Name	ans..50	C	First name in the delivery address Mandatory with Facilypay, Cetelem and Sofinco	Vorname in der Lieferadresse Pflicht bei Facilypay, Cetelem und Sofinco
sdLast Name	ans..50	C	Last name in the delivery address Mandatory with Facilypay, Cetelem and Sofinco	Nachname in der Lieferadresse Pflicht bei Facilypay, Cetelem und Sofinco
sdStreet	ans..80	C	Street name and street number in the delivery address Mandatory with Facilypay, Cetelem and Sofinco	Straßenname und Hausnummer in der Lieferadresse Pflicht bei Facilypay, Cetelem und Sofinco
sdAddressAddition	ans..80	O	Address addition in the delivery address	Adresszusatz in der Lieferadresse
sdZipCode	ans..10	C	Postcode in the delivery address Mandatory with Facilypay, Cetelem and Sofinco	Postleitzahl in der Lieferadresse Pflicht bei Facilypay, Cetelem und Sofinco
sdCity	ans..100	C	Town/city in the delivery address Mandatory with Facilypay, Cetelem and Sofinco	Ort in der Lieferadresse Pflicht bei Facilypay, Cetelem und Sofinco
sdCountryCode	a2	C	Country code for the delivery address, 2 characters according to ISO 3166-1. Mandatory with Facilypay, Cetelem and Sofinco	Ländercode der Lieferadresse zweistellig gemäß ISO-3166-1 Pflicht bei Facilypay, Cetelem und Sofinco
sdPhone	ans..50	OC	Phone number: is not mandatory for FacilityPay and Cetelem if parameter MobileNo is transmitted. e.g. +49123456789	Telefonnummer: muss bei FacilityPay und Cetelem nicht übergeben werden, wenn der Parameter MobileNo übergeben wird. z.B. +49123456789
sdMobileNo	ans..50	OC	Mobile phone number: is not mandatory for FacilityPay and Cetelem if parameter Phone is transmitted. e.g. +49123456789	Handynummer: muss bei FacilityPay und Cetelem nicht übergeben werden, wenn der Parameter Phone übergeben wird. z.B. +49123456789
			Product information	Produktinformationen

ArticleList	ans..1024	C	Article list. Mandatory with Facilypay. These parameters must have the following structure: ID,Description,UnitPrice,Quantity,Category,Brand Several articles can be separated with a +, e.g.: 123,iPhone 6s,700,1,Phones,Apple+321,Galaxy S7,700,2,Phones,Samsung Possible values for Category: - ComputersAndSoftware - Electronics - Phones - Appliances - HomeAndGarden - Fashion - HealthAndBeauty - Jewellery - Sport - LeisureAndHobbies - CarsAndMotorbikes - Furniture - KidsAndBaby - VideoGamesAndConsoles - ToysAndGames - Pets - FoodAndDrink - GiftAndFlowers - Entertainment - Travel - AuctionsAndGroupBuying - ServicesForIndividuals - ServicesForProfessionals	Artikelliste. Pflicht bei Facilypay. Dieser Parameter muss folgenden Aufbau haben: ID,Description,UnitPrice,Quantity,Category,Brand Mehrere Artikel können durch ein + getrennt werden, z.B.: 123,iPhone 6s,700,1,Phones,Apple+321,Galaxy S7,700,2,Phones,Samsung Mögliche Werte für Category: - ComputersAndSoftware - Electronics - Phones - Appliances - HomeAndGarden - Fashion - HealthAndBeauty - Jewellery - Sport - LeisureAndHobbies - CarsAndMotorbikes - Furniture - KidsAndBaby - VideoGamesAndConsoles - ToysAndGames - Pets - FoodAndDrink - GiftAndFlowers - Entertainment - Travel - AuctionsAndGroupBuying - ServicesForIndividuals - ServicesForProfessionals
ShippingData	ans..1024	C	Delivery data. Mandatory with Facilypay. These parameters must have the following structure: Type,Description,Speed,ExpectedDate,ExpectedDelay e.g.: Other,DHL,Standard,2016-06-30,3 Possible values for Type: - StorePickup - NetworkPickup - TravelPickup - Carrier - EDelivery - Other Possible values for Speed: - Express - Standard	Lieferdaten. Pflicht bei Facilypay. Dieser Parameter muss folgenden Aufbau haben: Type,Description,Speed,ExpectedDate,ExpectedDelay z.B.: Other,DHL,Standard,2016-06-30,3 Mögliche Werte für Type: - StorePickup - NetworkPickup - TravelPickup - Carrier - EDelivery - Other Mögliche Werte für Speed: - Express - Standard

Parameters for payments with Thunes

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

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

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

Key	Format	CND	Description
mid	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	ns..30	O	Merchant's unique reference number
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)

Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
CodeExt	ans..256	C	Error code from Limonetik. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .
ErrorText	ans..128	C	Detailed Limonetik error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .
Transaction ID	ans..50	O	ID for identification of payment form

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	Format	CND	Description	Beschreibung
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	Format	CND	Description	Beschreibung
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

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

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
-----	--------	-----	-------------	--------------

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
CodeExt	ans..256	C	Error code from Limonetik. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .	Fehlercode von Limonetik. Hinweis: Wird nur bei Status=FAILED zurückgegeben. Nutzung nur in Abstimmung mit dem Computop Helpdesk möglich.
ErrorText	ans..128	C	Detailed Limonetik error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop Helpdesk .	Detaillierte Limonetik-Fehlermeldung. Hinweis: Wird nur bei Status=FAILED zurückgegeben. Nutzung nur in Abstimmung mit dem Computop Helpdesk möglich.
TransactionID	ans..50	O	ID for identification of payment form	ID zur Identifizierung des Zahlscheins

Results parameters for URLNotify, URLSuccess and URLFailure

Capture

Captures are possible via a Server-to-Server connection. To carry out a Capture for Thunes 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	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	an32	M	ID assigned by Paygate for the payment to be captured
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
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
refnr	ns..30	O	Merchant's unique reference number
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.

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

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

TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss
---------	---------	---	---	--

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

Key	Format	CND	Description	Beschreibung
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.	Um Doppelzahlungen (z.B. durch ETM) zu vermeiden, übergeben Sie einen alphanumerischen Wert, der Ihre Transaktion oder Aktion identifiziert und nur einmal vergeben werden darf. Falls die Transaktion oder Aktion mit derselben ReqID erneut eingereicht wird, führt das Computop Paygate keine Zahlung oder weitere Aktion aus, sondern gibt nur den Status der ursprünglichen Transaktion oder Aktion zurück. Bitte beachten Sie, dass das Computop Paygate für die erste initiale Aktion (Authentifizierung/Autorisierung) einen abgeschlossenen Transaktionsstatus haben muss. Dies gilt nicht für 3-D Secure Authentifizierungen, die durch einen Timeout beendet werden. Der Status 3-D Secure Timeout gilt nicht als abgeschlossener Status, bei dem ReqID-Funktionalität am Paygate nicht greift. Einreichungen mit identischer ReqID auf einen offenen Status werden regulär verarbeitet. Hinweis: Bitte beachten Sie, dass eine ReqID nur 12 Monate gültig ist, danach wird sie vom Paygate gelöscht.

Parameters for Thunes captures

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	Format	CND	Description
mid	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
Status	a..50	M	OK (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)
refnr	ns..30	O	Merchant's unique reference number

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	Format	CND	Description	Beschreibung
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	Format	CND	Description	Beschreibung
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK (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
refnr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Result parameters for Thunes captures

Credit with reference

Credits (refunds) are possible via a Server-to-Server connection. For a Credit with reference to a capture the amount of the Credit is limited to the amount of the previous capture. To carry out a credit with a reference transaction, please use the following URL:

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

Notice: With Facilypay a refund usually is possible only 48 hours after the payment. Thunes stores the refund request and retries the request to Facilypay until this will be processed. During this time the transaction is "Suspended" and no other refunds are possible.

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

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

Key	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	an32	M	ID assigned by Paygate for the payment to be credited

TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
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
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.

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

Key	Format	CND	Description	Beschreibung
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	Format	CND	Description	Beschreibung
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
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
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.	Um Doppelzahlungen (z.B. durch ETM) zu vermeiden, übergeben Sie einen alphanumerischen Wert, der Ihre Transaktion oder Aktion identifiziert und nur einmal vergeben werden darf. Falls die Transaktion oder Aktion mit derselben ReqID erneut eingereicht wird, führt das Computop Paygate keine Zahlung oder weitere Aktion aus, sondern gibt nur den Status der ursprünglichen Transaktion oder Aktion zurück. Bitte beachten Sie, dass das Computop Paygate für die erste initiale Aktion (Authentifizierung/Autorisierung) einen abgeschlossenen Transaktionsstatus haben muss. Dies gilt nicht für 3-D Secure Authentifizierungen, die durch einen Timeout beendet werden. Der Status 3-D Secure Timeout gilt nicht als abgeschlossener Status, bei dem ReqID-Funktionalität am Paygate nicht greift. Einreichungen mit identischer ReqID auf einen offenen Status werden regulär verarbeitet. Hinweis: Bitte beachten Sie, dass eine ReqID nur 12 Monate gültig ist, danach wird sie vom Paygate gelöscht.

Parameters for credits of Thunes 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	Format	CND	Description
mid	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	Format	CND	Description	Beschreibung
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	Format	CND	Description	Beschreibung
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

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

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

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

Result parameters for credits of Thunes payments

Reversal

To cancel a transaction with Thunes, 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	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	an32	M	ID assigned by Paygate for the payment to be reversed
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: HMAC Authentication (Request) HMAC Authentication (Notify)
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
ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.

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

Key	Format	CND	Description	Beschreibung
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

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

ReqID	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. Notice: Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.	Um Doppelzahlungen (z.B. durch ETM) zu vermeiden, übergeben Sie einen alphanumerischen Wert, der Ihre Transaktion oder Aktion identifiziert und nur einmal vergeben werden darf. Falls die Transaktion oder Aktion mit derselben ReqID erneut eingereicht wird, führt das Computop Paygate keine Zahlung oder weitere Aktion aus, sondern gibt nur den Status der ursprünglichen Transaktion oder Aktion zurück. Bitte beachten Sie, dass das Computop Paygate für die erste initiale Aktion (Authentifizierung/Autorisierung) einen abgeschlossenen Transaktionsstatus haben muss. Dies gilt nicht für 3-D Secure Authentifizierungen, die durch einem Timeout beendet werden. Der Status 3-D Secure Timeout gilt nicht als abgeschlossener Status, bei dem ReqID-Funktionalität am Paygate nicht greift. Einreichungen mit identischer ReqID auf einen offenen Status werden regulär verarbeitet. Hinweis: Bitte beachten Sie, dass eine ReqID nur 12 Monate gültig ist, danach wird sie vom Paygate gelöscht.
-------	---------	---	---	--

Parameters for reversals of Thunes 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	Format	CND	Description
mid	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	Format	CND	Description	Beschreibung
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	Format	CND	Description	Beschreibung
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

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

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

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

Result parameters for reversals of Thunes payments

Batch processing via the interface

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

This section describes the parameters which must be transferred within the data set (**Record**) for executing of captures, credits and reversals for Thunes 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)
Reverse	1.0 / 2.0	Standard version without return of parameter Code
	1.x / 2x.	with RefNr (valid for all versions other than 1.0)

Description of the possible batch versions

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

```
HEAD,<MerchantID>,<Date>,<Version>
Limonetik,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>
Limonetik,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>
Limonetik,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, Limonetik for Thunes (Limonetik)
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 the following way:

```
HEAD,<MerchantID>,<Date>,<Version>
Limonetik,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,<Status>,<Code>
Limonetik,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,<Status>,<Code>
Limonetik,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