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Unzer Pay Later solutions Platform Documentation

XML Interface Description

Version 3.0

![unzer logo]

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Release History

Release	Description	Date	Changes
1.0.0	Initial Version	29-Apr-2011	-
1.0.1	Minor changes	19-May-2011	-
1.0.2	Revision	20-July-2011	Add additional criterion types
1.0.3	Address Change	24-Nov-2011	Address Change
1.1.0	ELV	01-March-2012	Add ELV payment method
2.0.0	B2B	01-July-2012	Add B2B invoice payment option
2.1.0	PRE CHECK	06-August-2012	Add pre check operation
2.1.1	ANALYSIS Overview	21-March-2013	Added anaylsis field overview
2.1.2	Reversal, Reauthorize, Code Examples	11-November-2013	Add Reversal an Reauthorize Operations Add code examples for XML and POST integrations Removed ELV
2.1.3	Merged overview and status code sections from other documents	26-November-2013	
2.1.4	SEPA Update of Analysis, ShopperID PA.only	16-Jannuary-2014	The <ShopperID> Tag is only valid for PA requests. Removed non-SEPA references
2.1.5	Changed Parcel Tracking Analysis Parameter Extended Shipping Address Parameter	10-February-2014	_SHIPPING_NUMER and _COMPANY renamed to _TRANSPORTATION Added SHIPPING_ TYPE
2.1.6	Added Return Tracking Number	18-March-2014	
2.1.7	Requesting_System Parameter, B2B Trade Registry Number	11-September-2014	Added PAYOLUTION_REQUEST PAYOLUTION_MODULE _TRADEREGISTRY_
2.1.8	Customer Confirmed Amount	29-October-2014	Added _CUSTOMER_CONFIRMED_AMOUNT an _LANGUAGE
2.1.9	Customer registration level	09-March-2015	Added _CUSTOMER_REGISTRATION_LEVEL and CUSTOMER_REGISTRATION_DATE
2.2	Invoice and Order ID	26-July-2016	Added PAYOLUTION_INVOICE_ID and PAYOLUTION_ORDER_ID
2.3	SSL-certificate and IP addresses	19-January-2017	Updated SSL-certificates and IP addresses
2.4	Updated IP-addresses	08-February-2017	Updated Server IP-adresses to port
2.5	Updated URL for API-Gateway	12-June-2017	Updated URLs to API-Gateway
2.6	Added SessionID to Analysis	12-January 2018	Updated Analysis SessionId
2.7	Removed topic SSL-certificate Added new logo and Email address	06-June 2019	Removed topic SSL-certificate Added new logo and Email address

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3.0	Added Unzer logo and name	19-November-2020	Unzer Rebranding 1.0
3.0	Updated address	20-April-2021	Updated address

UNZER

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PREFACE

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CONTENT

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OVERVIEW

This document describes interaction with the core transaction processing engine for submission and clearing of Unzer Pay Later solutions. Below is a high-level overview on the main elements of request, response as well as status codes.

REQUEST

Header: contains the security sender

Transaction: main unit of information in the request message.

    Identification: Contains all ID elements.

    Payment: Contains information about the payment method and operation type as well as payment details.

    Presentation: This group contains detailed payment information.

    Customer: Contains information about the customer

        Name: identity information about the customer.

        Address: address information about the customer.

        Contact: information either used for to contact a customer or for internal processing and risk management

    Account: used to switch between regular invoice, installment and other methods

    Frontend: ASYNC which URL the asynchronous response should be sent after the payment is finished.

    Analysis: multiple purpose part of the request, which can be used to add additional information, like risk management information already collected by the merchant, or the detailed content of the shopping cart.

RESPONSE

Transaction: Main element of the response.

    Payment: payment and operation type,

        Clearing: detailed payment information

    Frontend: session id given in the original request

    Processing: contains payment and operation type, as well as the transaction's result

    Redirect Element: ASYNC redirect

    Code and Description Elements: Status, result or error code.

    Connector Details Element: For invoice payments this field contains the payment reference, which should be printed on the invoice

RESULT CODES

Transaction	Status
ACK	Transaction successful
NOK	Transaction rejected, see status code for details

STATUS CODES

Status Code	Status	Reason
60	REJECTED_BANK	Rejected by payolution Risk checks
70	REJECTED_VALIDATION	Rejected due to missing data, malformed content or an invalid workflow
80	WAITING	ASYNC only, status while the payment page is shown to the customer
90 / 00	NEW / SUCCESS	Transaction successful

REQUEST

A request is the root element of every communication to the payment platform. For more detailed information about the security restrictions or the data format, please do not hesitate to contact us.

XML TRANSMISSION

- requests are sent as HTTPS POST to: https://test-gateway.payolution.com/ctpe/api
- all values are transmitted in a valid XML is POSTed in a single parameter named "load"
- XML examples refer to this style of transmission.

POST TRANSMISSION

- requests need to be sent to: https://test-gateway.payolution.com/ctpe/post
- each value is transmitted in a separate POST parameter
- POST examples refer to this style of transmission

CONTENT TYPE

application/x-www-form-urlencoded;charset=UTF-8

SECURITY

SERVER-TO-SERVER COMMUNICATION
Outbound traffic through port 443 to all IP addresses must be allowed.

REQUEST GROUP

The request group is the top-level element of the request message.

XML	POST
<Request version="1.0"> <Header> <Security sender="sender_data" /> </Header> <Transaction></Transaction> </Request>	REQUEST.VERSION SECURITY.SENDER

ATTRIBUTES

Name	Description
version	The version of the request definition the request is based upon.

ELEMENTS

Name	Type	Mandatory/Optional	Description
Transaction	Complex	Mandatory	Contains transaction information and is also described in detail in this document.
Header	Complex	Mandatory	Contains security information and other metadata. For detailed information see XML interface description.

TRANSACTION GROUP

The transaction group is the main unit of information in the request message.

XML	POST
<Transaction channel="channel_data" mode="mode">	TRANSACTION.CHANNEL
<User pwd="pwd" login="login" />	TRANSACTION.MODE
<Identification></Identification>	USER.PWD
<Payment></Payment>	USER.LOGIN
<Customer></Customer>	
<Account></Account>	
<Frontend></Frontend>	
</Transaction>	

ATTRIBUTES

Name	Description
Mode	Used to switch between test and production mode.
Channel	Used to identify the merchant account that is linked to this transaction. Each transaction is linked to exactly one channel.

ELEMENTS

Name	Type	Mandatory/Optional	Description
User	Complex	Mandatory	Username and password information.
Identification	Complex	Mandatory	Contains all ID elements.
Payment	Complex	Mandatory	Contains information about the payment method and operation type as well as payment details.
Customer	Complex	Conditional Mandatory	Contains information about the customer
Account	Complex	Conditional Mandatory	Contains the brand and is used to switch between invoice and installment.
Frontend	Complex	Mandatory (ASYNC)	Contains information to which URL the asynchronous response should be sent after the payment is finished.
Analysis	Complex	Optional	List of key-value pairs used for shipping address and shopping cart information and to store additional information.

IDENTIFICATION GROUP

The identification group contains all identifier information needed to match a follow up transaction to a previous transaction, etc…

XML	POST
<Identification> <ReferenceID>PA.UniqueID</ReferenceID> <TransactionID>123</TransactionID> <ShopperID>ShopperID</ShopperID> <UniqueID>response.UniqueID</UniqueID> </Identification>	IDENTIFICATION.REFERENCEID IDENTIFICATION.TRANSACTIONID IDENTIFICATION.SHOPPERID IDENTIFICATION.UNIQUEID

ELEMENTS

Name	Type	Mandatory/Optional	Description
ReferenceID	String	Conditional Mandatory	Needed if a transaction references a different transaction (e.g. a capture transaction must reference the respective pre-authorization transaction).
TransactionID	String	Optional	A merchant assigned ID, which will also be included in the response to make it easier for the merchant to process transactions. This ID will be used to match payments of customers.
ShopperID	String	Optional, PA only	Shopper customer number on merchant side. Also included in the response.
UniqueID	String	Only contained in response	The internal ID, which can be used by follow up transactions to reference this transaction.

PAYMENT GROUP

XML	POST
<Payment code="code"> <Presentation></Presentation> </Payment>	PAYMENT.CODE

ATTRIBUTES

Name	Description
code	Defines the payment and operation type. For payoution payments the codes are: VA.PA for Pre-Check, Pre- & Re-Authorization, VA.CP for Capture, VA.RV for Reversal and VA.RF for Refund'

ELEMENTS

Name	Type	Mandatory/Optional	Description
Presentation	Complex	Conditional Mandatory	Contains the payment details, like currency, amount, etc…

PRESENTATION GROUP

This group contains detailed payment information.

XML	POST
<Presentation> <Currency>EUR</Currency> <Usage>Trx 42</Usage> <Amount>249.99</Amount> </Presentation>	PRESENTATION.CURRENCY PRESENTATION.USAGE PRESENTATION.AMOUNT

ELEMENTS

Name	Type	Mandatory/Optional	Description
Currency	String	Mandatory	The currency (e.g. EUR, CHF).
Usage	String	Mandatory	Human readable description of reason for the transaction.
Amount	Float	Mandatory	The total amount of the transaction.

CUSTOMER GROUP

The customer group contains identity, address and contact information.

XML	POST
<Customer> <Name></Name> <Address></Address> <Contact></Contact> <Company></Company> </Customer>	See below

ELEMENTS

Name	Type	Mandatory/Optional	Description
Name	Complex	Mandatory	Identity information about the customer.
Address	Complex	Mandatory	
Contact	Complex	Mandatory	

NAME GROUP

This group contains identity information about the customer.

XML	POST
<Name> <Family>Mustermann</Family> <Given>Max</Given> <Birthdate>1970-01-30</Birthdate> <Sex>M</Sex> <Title>Dr.</Title> </Name>	NAME.FAMILY NAME.GIVEN NAME.BIRTHDATE NAME.SEX NAME.TITLE

ELEMENTS

Name	Type	Mandatory/Optional	Description
Family	String	Mandatory	
Given	String	Mandatory	
Birthdate	String	Mandatory for synchronous and pre-checks, Optional for asynchronous and B2B	Birthdate in the format yyyy-mm-dd (e.g. 1970-01-30)
Sex	One of [M, F]	Optional	
Title	String	Optional	

ADDRESS GROUP

This group contains detailed payment information.

XML	POST
<Address>	ADDRESS.COUNTRY
<Country>AT</Country>	ADDRESS.CITY
<City>Wien</City>	ADDRESS.ZIP
<Zip>1050</Zip>	ADDRESS.STREET
<Street>Musterstraße 1</Street>	
</Address>	

ELEMENTS

Name	Type	Mandatory/Optional	Description
Country	String	Mandatory	Country code according to the ISO 3166-1 specification.
City	String	Mandatory	
Zip	String	Mandatory	
Street	String	Mandatory	incl. door number, etc…
State	String	Optional	

CONTACT GROUP

This group contains contact information either used for to contact a customer or for internal processing and risk management.

XML	POST
<Contact>	CONTACT.EMAIL
<Email>max.mustermann@example.com</Email>	CONTACT.IP
<Ip>000.000.000.000</Ip>	CONTACT.PHONE
<Phone>+4348943849</Phone>	
</Contact>	

ELEMENTS

Name	Type	Mandatory/Optional	Description
Email	String	Mandatory	
Ip	String	Mandatory	IP address of the customer in the format 000.000.000.000 Special care needs to be taken with load balancers.
Phone	String	Optional	
Mobile	String	Optional	

ACCOUNT GROUP

The account group contains information needed to choose between invoice and installment payment.

XML	POST
<Account> <Brand>PAYOLUTION_INVOICE</Brand> </Account>	ACCOUNT.BRAND

ELEMENTS

Name	Type	Mandatory/Optional	Description
Brand	One of [PAYOLUTION_INVOICE, PAYOLUTION_INS]	Mandatory	Used to identify the virtual account transaction brand type.

FRONTEND GROUP

The frontend group contains the URL to which the xml response will be sent after the payment process is finished. Additional information like session data can be appended here. This part is only relevant for asynchronous transaction style, if the integration with payolution is done in a synchronous way, this part is not needed.

XML	POST
<Frontend> <ResponseUrl>http://myshop.de/response.php</ResponseUrl> <SessionID>25badf7230abefecde3a74fd6be0b5c0</SessionID> </Frontend>	FRONTEND.RESPONSE_URL FRONTEND.SESSION_ID

ELEMENTS

Name	Type	Mandatory/Optional	Description
ResponseUrl	String	Mandatory	The URL to which the response will be sent.
SessionID	String	Optional	A session Id, which will be sent as part of the response.

ANALYSIS GROUP

The analysis group is a multiple purpose part of the request, which can be used to add additional information, like risk management information already collected by the merchant, or the detailed content of the shopping cart.

XML	POST
<Analysis> <Criterion name="$key">$value</Criterion> </Analysis>	Criterion.$key = $value

ELEMENTS

Name	Type	Mandatory/Optional	Description
Criterion	Complex	Optional and Unbounded	A criterion is a key value pair, where the key is defined by the "name" attribute and the value is included as XML value.

VALUE

The value of the criterion element contains the value of the key-value pair in textual form.

KEY	possible SUFFIX
PAYOLUTION_CSS_PATH	
PAYOLUTION_REQUEST_<SUFFIX>	["SYSTEM_VENDOR", "SYSTEM_VERSION", "TYPE"]
PAYOLUTION_MODULE_<SUFFIX>	["NAME", "VERSION"]
PAYOLUTION_WEBSHOP_URL	
PAYOLUTION_SHIPPING_<SUFFIX>	["STREET", "ZIP", "CITY", "STATE", "COUNTRY", "GIVEN", "FAMILY", "COMPANY", "ADDITIONAL", "TYPE"
PAYOLUTION_TRANSPORTATION_<SUFFIX>	["COMPANY", "TRACKING", "RETURN_TRACKING"]
PAYOLUTION_ITEM_<SUFFIX>	["DESCR_XX", "PRICE_XX", "TAX_XX", "CATEGORY_XX"]
PAYOLUTION_TAX_AMOUNT	
PAYOLUTION_PRE_CHECK	
PAYOLUTION_PRE_CHECK_ID	
PAYOLUTION_TRX_TYPE	
PAYOLUTION_COMPANY_<SUFFIX>	["NAME","UID","TRADEREGISTRY_NUMBER"]
PAYOLUTION_INSTALLMENT_AMOUNT	
PAYOLUTION_DURATION	
PAYOLUTION_CALCULATION_ID	
PAYOLUTION_ACCOUNT_<SUFFIX>	["COUNTRY", "HOLDER", "BIC", "IBAN"]
PAYOLUTION_CUSTOMER_<SUFFIX>	["LANGUAGE", "NUMBER", "GROUP", "CONFIRMED_ORDERS", "CONFIRMED_AMOUNT", "INTERNAL_SCORE", "REGISTRATION_LEVEL", "REGISTRATION_DATE"]
PAYOLUTION_INVOICE_ID	

PAYOLUTION_ORDER_ID
PAYOLUTION_SESSION_ID

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Shipping information

For adding information about the shipping address of the customer, following keys of the format "PAYOLUTION_SHIPPING_<SUFFIX>" where "<SUFFIX>" has to be replaced with "STREET", "ZIP", "CITY", "STATE", "COUNTRY" or "COMPANY" respectively, should be used.

For "TYPE" the following values are allowed: ALTERNATIVE_SHIPPING_ADDRESS, BRANCH_PICKUP, POST_OFFICE_PICKUP, PACK_STATION or EQUALS_BILLING_ADDRESS.

Transportation Tracking information

For Capture Requests, the package tracking number can be added in the field PAYOLUTION_TRANSPORTATION_TRACKING. Additionally, the shipping company (e.g. DHL, UPS,) is submitted via PAYOLUTION_TRANSPORTATION_COMPANY. If already available the return tracking ID can be submitted in the field PAYOLUTION_TRANSPORTATION_RETURN_TRACKING.

Shopping basket information

This section contains the items in the shopping basket, which are added using the keys "PAYOLUTION_ITEM_CATEGORY_XX" for a high level product category, "PAYOLUTION_ITEM_DESCR_XX" for the detailed product description, "PAYOLUTION_ITEM_PRICE_XX" for the total price of this invoice line, i.e. price x #items and "PAYOLUTION_ITEM_TAX_XX" for the VAT Tax amount of the invoice line. "XX" is a number starting from 1. So for the first item in the shopping basked "PAYOLUTION_ITEM_DESCR_1" is used and so forth.

Internal customer information

The customers selected language can be transmitted via PAYOLUTION_CUSTOMER_LANGUAGE.

Internal customer information, such as customer number, customer group are submitted via PAYOLUTION_CUSTOMER_<SUFFIX>, with NUMBER or GROUP.

In addition, the number of recently successful orders ("_CONFIRMED_ORDERS" & "_CONFIMRED_AMOUNT") or an internal customer score ("_INTERNAL_SCORE") can be transmitted to improve the payolution risk checks. Please contact your account manager for further details.

Customer Registration Level
PAYOLUTION_CUSTOMER_REGISTRATION_LEVEL: 0 = Guest, 1 = registered customer

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PAYOLUTION_CUSTOMER_REGISTRATION_DATE: Registration date format [yyyymmdd]; For guest the order date should be transmitted.

Additional parameters for PreCheck requests

To perform a pre-check, i.e. checking a customer before he actually chooses one of the Unzer Pay Later solutions a PreAuth transaction with a specific parameter is used. This transaction is like a PreAuth transaction with the only exception that the parameter "PAYOLUTION_PRE_CHECK" with the value "TRUE" needs to be added.

Please note that PreChecks cannot be captured. PreChecks can be used for both synchronous and asynchronous transactions, but PreChecks are inherently synchronous. The correct birthdate of the customer must be included in the request.

To further improve the success rate of PreAuth transactions, which are performed after a PreCheck (which usually are close to 100% anyway), it is recommended to add the UniqueID of the response of the PreCheck request to the PreAuth request using the criterion with parameter key "PAYOLUTION_PRE_CHECK_ID".

Additional parameters for B2B transactions:

For B2B transactions two additional parameters are used:

"PAYOLUTION_TRX_TYPE", which has to be set to "B2B" and "PAYOLUTION_COMPANY_NAME" containing the company name. In addition, the Traderegistry number and the UID can be added as optional information if available, using the parameter "PAYOLUTION_COMPANY_TRADEREGISTRY_NUMBER" and "PAYOLUTION_COMPANY_UID".

Additional parameters for installment payments:

For installment payments, payolution needs additional information, such as account data and duration. The parameters are "PAYOLUTION_INSTALLMENT_AMOUNT" and "PAYOLUTION_DURATION". The amount is transmitted as a decimal value, the duration as a positive integer.

Additionally, the account information is needed for installment payments of German customers. The bank account data needs to be included using the keys "PAYOLUTION_ACCOUNT_COUNTRY", "PAYOLUTION_ACCOUNT_HOLDER", "PAYOLUTION_ACCOUNT_BIC" and "PAYOLUTION_ACCOUNT_IBAN".

Apart of that the PreAuth of an installment payment needs to be referenced to the respective Calculation request – the UniqueID of this Calculation request must be transmitted in the parameter "PAYOLUTION_CALCULATION_ID".

Additonal parameters for the transmission of IDs

If needed the Invoice number and the Order Number (e.g. the ERP order number) can be transmitted in the Capture request, so that they can be listed in the payout csv file or used for dunning templates.

The parameters are "PAYOLUTION_INVOICE_ID" and "PAYOLUTION_ORDER_ID".

SessionId for device fingerprinting for fraudprevention

The parameter "PAYOLUTION_SESSION_ID" is a temporary identifier that is unique to the visitor's session. It is used for dive fingerprinting for fraud protection purposes. It can be up to 128 bytes long and only the following characters are allowed:

- upper and lowercase English letters ([a-z], [A-Z])
- digits (0-9)
- underscore (_)
- hyphen (-)

RESPONSE

RESPONSE GROUP

The response group is the top-level element of the response message.

ATTRIBUTES

Name	Description
version	The version of the response definition the response is based upon.

ELEMENTS

Name	Type	Description
Transaction	Complex	Main element of the response.

TRANSACTION GROUP

The transaction group is the main unit of information in the response message.

XML	POST
<Transaction channel="abcide546514231adsf" mode="CONNECTOR_TEST"> <Identification></Identification> <Payment code="VA.PA"></Payment> <Processing code="VA.PA.90.00"></Processing> </Transaction>	TRANSACTION.CHANNEL TRANSACTION.MODE

ATTRIBUTES

Name	Description
mode	Used to switch between test and production mode.
channel	The channel the transaction has been sent to.

ELEMENTS

Name	Type	Description
Identification	Complex	Contains all ID elements, see above for details
Payment	Complex	Contains information about the payment method and operation type as well as payment details.
Frontend	Complex	Contains frontend information like SessionID.
Processing	Complex	Contains information about the result of the operation.

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PAYMENT GROUP

XML	POST
<Payment code="VA.PA"> <Clearing></Clearing> </Payment>	PAYMENT.CODE

ATTRIBUTES

Name	Description
code	Defines the payment and operation type. For payolution payments the codes VA.PA for Pre-Authorization, VA.CP for Capture and VA.RF for Refund transactions are used.

ELEMENTS

Name	Type	Description
Clearing	Complex	Contains the payment details, like currency, amount, etc…

CLEARING GROUP

This group contains detailed payment information.

XML	POST
<Clearing> <Amount>249.99</Amount> <Currency>EUR</Currency> <Descriptor>Trx 42</Descriptor> </Clearing>	CLEARING.AMOUNT CLEARING.CURRENCY CLEARING.DESCRIPTOR

ELEMENTS

Name	Type	Description
Currency	String	The currency (e.g. EUR).
Descriptor	String	Human readable description of reason for the transaction.
Amount	Float	The total amount of the transaction for invoice transactions and the amount of one installment for installment transactions.
Date	String	Clearing date in the format yyyy-mm-dd.

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FRONTEND GROUP

XML	POST
<Frontend> <SessionID>$sessionID</SessionID> </Frontend>	FRONTEND.SESSION_ID

ELEMENTS

Name	Type	Description
SessionID	String	The session id given in the original request, can be used to match response to request in the merchant system.

PROCESSING GROUP

XML	POST
<Processing code="VA.PA.90.00"> <Timestamp>2011-01-24 09:36:48</Timestamp> <Result>ACK</Result> <Status code="90">NEW</Status> <Reason code="00">Successful Processing</Reason> <Return code="000.100.110">Request successfully processed in 'Merchant in Integrator Test Mode'</Return> <ConnectorDetails></ConnectorDetails> </Processing>	PROCESSING.CODE PROCESSING.TIMESTAMP PROCESSING.RESULT PROCESSING.STATUS PROCESSING.STATUS.CODE PROCESSING.REASON PROCESSING.REASON.CODE PROCESSING.RETURN PROCESSING.RETURN.CODE

ATTRIBUTES

Name	Description
code	Short info unit, which contains payment and operation type, as well as short status code.

ELEMENTS

Name	Type	Description
Timestamp	Time	Timestamp of the processing.
Result	String	"ACK" indicates a positive result, "NOK" a negative result.
Status	Code and Description	Gives information about the status, one possible status is for example NEW, see below
Reason	Code and Description	Gives information about the processing result., see below
Return	Code and Description	Full return code containing all details, see below

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Redirect	Complex	The redirect URL. It contains the URL of the payment pages.
ConnectorDetails	Complex	Details section for payment method feedback.

REDIRECT ELEMENT

XML	POST
`<Redirect url="https://test-payment.payolution.com/..."/>`	PROCESSING. REDIRECT_URL

ATTRIBUTES

Name	Description
url	The URL.

CONNECTOR DETAILS ELEMENT

XML	POST

`<ConnectorDetails>`
` <Result name="ConnectorTxID1">`
`ZQVC-VXSX-OBDZ</Result>`
` <Result name="PaymentReference">`
`PAYO-LUTI-ONED</Result>`
`</ConnectorDetails>`
	PROCESSING_CONNECTORDETAIL_ConnectorTxID1
	PROCESSING_CONNECTORDETAIL_PaymentReference

ELEMENTS

Name	Type	Description
Result	Name and Value Pair	Contains references from the payolution core transaction system. Name = "ConnectorTxID1": payolution transaction reference Name = "PaymentReference": for invoice payments the payment reference should be printed on the invoice and used as reference for bank transfers by the customer allowing automated matching. It structured as 3x4 letters, e.g. ABCD-EFGH-ABCD.

STATUS CODES

In the table below, the most important status codes are listed. For further details contact integration-vie@unzer.com.

Status /. Reason Code	Return Code	Error Text	Explanation
90/00	000.100.112	Request successfully processed in 'Merchant in Connector Test Mode'	Successful End2End Test
90/00	000.000.000	Transaction succeeded	Successful live request
60/95	800.100.170	transaction declined (transaction not permitted)	Request declined by the payolution risk engine (risk score, velocity, number of open transactions)
60/95	800.100.191	transaction declined (transaction in wrong state on acquirer side)	**CP:** the referenced pre-authorization has expired **RF:** the referenced transaction is locked for refunds
60/95	800.100.190	transaction declined (invalid configuration data)	re-evaluation of currency or country restrictions failed
60/95	800.100.174	transaction declined (invalid amount)	re-evaluation of basket size restrictions failed
60/70	900.100.400	timeout at connectors/acquirer side	time out of an consumer interaction
60/70	900.100.300	no response from connector/ acquirer [uncertain result]	network timeout between payment processing and payolution risk engine
70/20	700.300.600	invalid or missing user login	faulty credentials in channel, login, sender or pwd.
70/30	700.400.200	cannot refund (refund volume exceeded or tx reversed or invalid workflow?)	**CP**.amount(s) > PA.amount, **RF**.amount(s) > CP.amount
70/30	700.400.520	refund needs at least one successful transaction of type (CP or DB or RB or RC)	**RF** before CP
70/30	700.400.530	reversal needs at least one successful transaction of type (CP or DB or RB or PA)	**RV** after CP