



Admin SOAP-Interface

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Interface description

The Admin SOAP-Interface (Uplink) can be used to handle transactions automatically. The interface offers various functions which are described in this documentation. You get access to this interface via SOAP-Protocol which transfers XML-Packets via HTTP. How to build XML-Packets is defined in the WSDL-File (WSDL). Most Programming Languages provide SOAP-Modules which allow to import the WSDL-file directly and generate the necessary source code required for the access of the interface.

You can find additional information regarding SOAP- and WSDL-Standard on Wikipedia:

<http://de.wikipedia.org/wiki/SOAP>

http://de.wikipedia.org/wiki/Web_Services_Description_Language

Interface-URLs

Depending on your version of QualityClick the WSDL-file is accessible via the following (example) URL.

WSDL-URL for QC5+6 Systems:

[https://\[CustomerDomain\]/scripts/soap_doc/ixq_uplink_soap.wsdl.cgi](https://[CustomerDomain]/scripts/soap_doc/ixq_uplink_soap.wsdl.cgi)

WSDL-URL for QC4 Systems:

[https://\[CustomerDomain\]/scripts/soap_doc/ixq_uplink_soap.wsdl](https://[CustomerDomain]/scripts/soap_doc/ixq_uplink_soap.wsdl)

URL of the SOAP Services:

[https://\[CustomerDomain\]/ixq_uplink_soap.cgi](https://[CustomerDomain]/ixq_uplink_soap.cgi)

(The WSDL file contains this URL and is usually automatically assumed by the SOAP-Module)

Remarks

- If you didn't order a SSL-certificat for your QualityClick installation you can access the interface without SSL. (Using HTTP instead of HTTPS)
- **[CustomerDomain]** is a placeholder for your individual QualityClick installation URL.

Authentication

For authentication you need your 3 digits **Authentication-ID** (IDENT-Code) e.g. "ABC" and the **password** (e.g. "un58jin44ap96uszkx2qq"). ID and Password has to be sent on every request. You can get your login-data by request from NetSlave. In order to enhance security it is possible to limit the access just to one IP address.

SOAP-Methods

Create Transaction (new)

Legend

- **Red marked fields** are mandatory.

Create new transactions

Name	Description	Data format	Example value
ident	API ident	Text (3 characters)	
keyphrase	API keyphrase	Text (40 characters)	
cpid	Campaign-ID (of QC)	Number	2
transaction_id	Transaction / Order ID	Text (max 255 characters)	TEST-1234
partner_id	Affiliate / partner ID (of QC)	Number	5
product	Product (of QC)	Text (max 40 characters)	test-product
amount	Amount	Decimal number	5.00
order_date	Order date	YYYY-MM-DD HH:MM:SS	2011-08-10 20:15:00
delivery_date	Delivery date	YYYY-MM-DD	2011-01-30
annex_id	Additional ID	Text (max 255 characters)	TEST-4321
annex_info	Free text	Text (max 255 characters)	Additional info
customer_name	Customer name (Free text)	Text (max 50 characters)	Customer 1234
sub_id	Sub-ID	Text (max 255)	Example-subid

			characters)
ad_id	Ad-ID	Number	3
referer	Referer (from QC5)	Text (max 255 characters)	http://www.example.com/
clicktime	Clicktime	YYYY-MM-DD HH:MM:SS	2011-08-10 20:15:00
basket	Basket object	BasketItem-List	(s. Basket-Tracking para.)

Remarks

- Warning: Transactions can only be created if the transaction_id does not exist. Otherwise the system will ignore the transaction.
- New Transactions are created with the state „open“.
- If the [partner_id] is empty fallback-account „1“ is used or the transaction will be discarded depending on campaign settings.
- If [product] is empty the default product of the related campaign is used

Confirm transaction (clear)

Confirm open transactions

Name	Description	Data format	Example value
ident	API ident	Text (3 characters)	
keyphrase	API keyphrase	Text (40 characters)	
cpid	Campaign-ID (of QC)	Number	2
transaction_id	Transaction / Order ID	Text (max 255 characters)	TEST-1234
partner_id	Affiliate / partner ID (of QC)	Number	5
product	Product (of QC)	Text (max 40 characters)	test-product
amount	Amount	Decimal number	5.00
basket	Basket object	BasketItem-List	(s. Basket-Tracking para.)

Cancel transaction (storno)

This method allows you to cancel transactions with the status open, cleared or paid.

Name	Description	Data format	Example value
ident	API ident	Text (3 characters)	

keyphrase	API keyphrase	Text (40 characters)	
cpid	Campaign-ID (of QC)	Number	2
transaction_id	Transaction / Order ID	Text (max 255 characters)	TEST-1234
partner_id	Affiliate / partner ID (of QC)	Number	5
product	Product (of QC)	Text (max 40 characters)	test-product
storno_text	Cancellation reason	Text (max 255 characters)	Test-Sale

Edit transactions (change)

This method allows you to edit Transactions with the status „open“ or „storno“.

Name	Description	Data format	Example value
ident	API ident	Text (3 characters)	
keyphrase	API keyphrase	Text (40 characters)	
cpid	Campaign-ID (of QC)	Number	2
transaction_id	Transaction / Order ID	Text (max 255 characters)	TEST-1234
partner_id	Affiliate / partner ID (of QC)	Number	5
product	Product (of QC)	Text (max 40 characters)	test-product
amount	Amount	Decimal number	5.00
order_date	Order date	YYYY-MM-DD HH:MM:SS	2011-08-10 20:15:00
annex_id	Additional ID	Text (max 255 characters)	TEST-4321
annex_info	Free text	Text (max 255 characters)	Additional info
sub_id	Sub-ID	Text (max 255 characters)	Example-subid
customer_name	Customer name (Free text)	Text (max 50 characters)	Customer 1234
delivery_date	Delivery date	YYYY-MM-DD	2011-01-30
ad_id	Ad-ID	Number	3
referer	Referer (from QC5)	Text (max 255 characters)	http://www.example.com/
clicktime	Clicktime	YYYY-MM-DD HH:MM:SS	2011-08-10 20:15:00
new_transaction_id	New transaction ID	Text (max. 255 characters)	NEW-TEST-1234
new_pid	New partner-ID (of QC)	Number	9
new_product	New product ID (of QC)	Text (max 40 characters)	new-product-name

basket Basket object BasketItem-List (s. Basket-Tracking para.)

Remarks

- Missing or empty fields will be ignored and left unchanged
- The edit of a „storno“ transaction opens the transaction automatically
- The method returns a status message if the transaction was changed

Default response of new, clear, storno and change methods

The response messages of the new, clear, storno and change methods consist of the following fields:

Name	Description	Data format	Example value
response_code	Response code	Text	OK / ERR
status_message	Status message	Text	

Create or edit transaction (change_or_new) (only for QC5)

This function creates or changes transactions, depending on the existence of the given transaction-ID. Additionally it is possible to leave Partner_ID empty. If you do so the existing AffiliateID will be kept otherwise if you supply a Partner_ID the existing value will be replaced.

Name	Description	Data format	Example value
ident	API ident	Text (3 characters)	
keyphrase	API keyphrase	Text (40 characters)	
cpid	Campaign-ID (of QC)	Number	2

transaction_id	Transaction / Order ID	Text (max 255 characters)	TEST-1234
partner_id	Affiliate / partner ID (of QC)	Number	5
product	Product (of QC)	Text (max 40 characters)	test-product
amount	Amount	Decimal number	5.00
order_date	Order date	YYYY-MM-DD HH:MM:SS	2011-08-10 20:15:00
annex_id	Additional ID	Text (max 255 characters)	TEST-4321
annex_info	Free text	Text (max 255 characters)	Additional info
sub_id	Sub-ID	Text (max 255 characters)	Example-subid
customer_name	Customer name (Free text)	Text (max 50 characters)	Customer 1234
delivery_date	Delivery date	YYYY-MM-DD	2011-01-30
ad_id	Ad-ID	Number	3
referrer	Referrer (from QC5)	Text (max 255 characters)	http://www.example.com/
clicktime	Clicktime	YYYY-MM-DD HH:MM:SS	2011-08-10 20:15:00
basket	Basket object	BasketItem-List	(s. Basket-Tracking para.)

Remarks

- For empty Affiliate IDs the Fallback-Account „1“ will be used or the transaction will be discarded - depending on campaign settings.
- Missing or empty fields will kept unchanged or ignored
- The edit of an canceled transaction will open the transaction automatically

Response of the change_or_new method

- Responses of the change_or_new method consist of the information whether the transaction was created or edited as well as the corresponding PID.

Name	Description	Data format	Example value
response_code	Response code	Text	OK
status_message	Status message	Text	
partner_id	Affiliate / partner ID (of QC)	Number	5

Search transactions (search)

List or search transactions

Name	Description	Data format	Example value
ident	API ident	Text (3 characters)	
keyphrase	API keyphrase	Text (40 characters)	
cpid	Campaign-ID (of QC)	Number	2
transaction_id	Transaction / Order ID	Text (max 255 characters)	TEST-1234
partner_id	Affiliate / partner ID (of QC)	Number	5
product	Product (of QC)	Text (max 40 characters)	test-product
status	Transaction status	Text (open, cleared, stor-no or paid)	cleared
order_date	Order date	Time period (start - end)	TT.MM.YY-TT.MM.YY
delivery_date	Delivery date	Time period (start - end)	TT.MM.YY-TT.MM.YY

Remarks

- For the fields „order_date“ and „delivery_date“ a period can be selected
- To return all products you can use „*“ for „product“

Response of the search method

Name	Description	Data format	Example value
response_code	Response code	Text	OK
status_message	Status message	Text	
list_count	List count	Number	7
list_result	Results	List of TransactionItem objects	

Format of the TransactionItem object

The field „list_result“ of the response of the search-method contains a list of transaction objects their format is described in the following table.

Name	Description	Data format	Example value
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cpid	Campaign-ID (of QC)	Number	2
sub_id	Sub-ID	Text (max 255 characters)	Example-subid
partner_id	Affiliate / partner ID (of QC)	Number	5
transaction_id	Transaction / Order ID	Text (max 255 characters)	TEST-1234
status	Transaction status	Text (open, cleared, storno or paid)	cleared
amount	Amount	Decimal number	5.00
provision			
annex_id	Additional ID	Text (max 255 characters)	TEST-4321
annex_info	Free text	Text (max 255 characters)	Additional info
product_id	Product ID (of QC)	Number	
product	Product (of QC)	Text (max 40 characters)	test-product
customer_name	Customer name (Free text)	Text (max 50 characters)	Customer 1234
order_date	Campaign-ID (of QC)	Number	2011-08-10 20:15:00
delivery_date	Sub-ID	Text (max 255 characters)	2011-01-30
ad_id	Affiliate / partner ID (of QC)	Number	3
referer	Transaction / Order ID	Text (max 255 characters)	http://www.example.com/
clicktime	Transaction status	Text (open, cleared, storno or paid)	2011-08-10 20:15:00

Basket-tracking

By using Basket-Tracking a transaction which was created by the trackingpixel before can be enriched by additional shopping-cart-positions. By using this data commissions can be calculated separately by the product category or classification. To submit shopping cart-positions the SOAP methods new, change and change_or_new can be used. All the methods provide the „basket“ field which can be used to contain a unlimited No. of BasketItems. Please mind that with every SOAP-method call with basket data an Transaction ID is required. Consider to give a Transaction-ID on any SOAP- method call to update Basket-Data.

A BasketItem object has the following structure:

Name	Description	Data format	Example value
article_id	Article id	Text (min 3, max 40 characters)	abc123
variant	Variant (Add. field)	Text (max 255 characters)	XL
commission_id	Commission ID (of QC)	Text (max 40 characters)	test-product

unitprice	Unit price	Decimal number	23.00
quantity	Quantity	Number	3
title	Product title	Text (max 255 characters)	T-Shirt

Response messages

OK	transaction 'xxx' has been created - commission: \$Provision
OK	transaction ' xxx ' storno
OK	transaction ' xxx ' changed
OK	transaction ' xxx ' cleared
ERR	wrong xml parameter or data
ERR	incorrect ident 'ABC'
ERR	keyphrase wrong 'un58jin44ap96uszkx2q'
ERR	ident 'ABC' or keyphrase ' un58jin44ap96uszkx2q' wrong
ERR	incorrect transaction_id
ERR	incorrect status
ERR	transactionid is missing
ERR	transaction 'xxx' seems to be here already
ERR	transaction not found
ERR	transaction 'xxx' - storno failed
ERR	transaction 'xxx' not found
ERR	status wrong
ERR	transaction has not been created

General advise

- Date specifications in the format „DD.MM.YYYY“ can be used but we recommend the „YYYY-MM-DD“
- All Data is transmitted as „string“ and is then converted to the appropriate type by our system
- The SOAP interface expects all data to be UTF-8 encoded

FAQ

- Is a testing-environment for the interface available?
Yes, by request we provide an account on our testsystem.
- How can i use the SOAP module with PHP?
The Module „ php5-soap“ has to be installed. On linux systems this module can usually be easily installed by using the package management of your distribution.



- How can i call the SOAP-Interface from Visual Studio (C#, VB.net, ...)?
You can import the WSDL file as „ Service Reference“ into your project which will automatically create a Proxy/Wrapper class for the SOAP interface.
Please feel free to ask for further details from NetSlave.
- Are there code examples available?
Yes, you can request examples from us.