



CycleSoftware e-commerce api

Documentation API

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DOCUMENT OVERVIEW

Document history

Version	Name	Date	Remarks
1.0	Giel	9-11-2015	Description soap 2.0

1 OVERVIEW APIS

1.1 Authentication

The REST API uses Basis http authentication

Type	Value
Test-username	cyclesoftware
Test-Password	test

1.2 WSDL definition

The following base URL should be used to retrieve the WSDL definition

Type	Value
WSDL URL	https://api.cyclesoftware.nl/app/cs/api/ecommerce/soap_2_0/?wsdl

1.3 APIs

The following API types / functions are available

Type	Name	Description
REST/JSON	articledata	Load article data using a REST Api
REST/JSON	stockinfo	Get real-time stock information for one or more articles
SOAP	SaveOrder	Save an order
SOAP	GetOrderStatus	Get order status
SOAP	UpdateOrder	Update basic order data
SOAP	AddOrderItems	Add order items to existing order

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2 ARTICLEDATA API

The articledata api allows you to access e-commerce available data. The field definition is available in the attachment.

Type	Call
Get article data	https://api.cyclesoftware.nl/app/api/articledata/
Second call	https://api.cyclesoftware.nl/app/api/articledata/:next_resultset/
Get article data for specific article	https://api.cyclesoftware.nl/app/api/articleinfo/:barcode/
Suppliers / groups	https://api.cyclesoftware.nl/app/api/groups/

Next resultset

When the articledata api call has more than 750 article elements. It will provide a value in 'next_resultset' use this parameter to get the next resultset:
<https://api.cyclesoftware.nl/app/api/articledata/323-1000/> (resultset with offset 323-1000)

3 STOCKINFO API

The stockinfo api allows you to access stockinformation, realtime.

Type	Call
Get stockinfo for 2 articles	<code>http://api.cyclesoftware.nl/app/api/stockinfo/:barcode1/:barcode2?User_Agent={User_agent_browser}&Visitor_IP={visitor ip}</code>

Input variabelen

Veldnaam webservice	Toelichting
Visitor_IP	IP address of webshop visitor. In PHP: \$_SERVER['REMOTE_ADDR']
User_Agent	User Agent of visitor. In php: \$_SERVER['HTTP_USER_AGENT']

Output

Field result	Description
Stock	'Direct leverbaar': Product in stock in store 'Leverbaar binnen 4 werkdagen': Product in stock at supplier 'Onbekende levertijd': Product not in stock in store or at supplier.

4 SOAP: SAVEORDER

Saves an order in CS with one or more order items.

WSDL: https://api.cyclesoftware.nl/app/cs/api/ecommerce/soap_2_0/?wsdl

Method: SaveOrder

Field definition: in attachment

Request XML Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns1="http://api.cyclesoftware.nl/app/cs/api/ecommerce/soap_2_0/">
  <SOAP-ENV:Body>
    <ns1:SaveOrderRequest>
      <Authentication>
        <username></username>
        <password></password>
        <dealer_id>0</dealer_id>
      </Authentication>
      <Order>
        <order_reference_id>-319813049</order_reference_id>
        <order_reference_text>5640c085abba9</order_reference_text>
        <order_is_paid>1</order_is_paid>
        <order_payment_method_description>ideal</order_payment_method_description>
        <order_ship_to_customer>1</order_ship_to_customer>
        <order_shipment_method_description>tnt</order_shipment_method_description>
        <order_date_preferred_delivery>2015-12-01</order_date_preferred_delivery>
        <Customer>
          <customer_reference>REF</customer_reference>
          <customer_name_prefix>G</customer_name_prefix>
          <customer_middle_name>van</customer_middle_name>
          <customer_last_name>Wijgergangs</customer_last_name>
          <customer_postal_code>5258 hl</customer_postal_code>
          <customer_housenumber>2</customer_housenumber>
          <customer_housenumber_suffix>B</customer_housenumber_suffix>
          <customer_street_name>Sassenheimseweg</customer_street_name>
          <customer_city>Berlicum</customer_city>
          <customer_phone>0733030050</customer_phone>
          <customer_mobile>0622903913</customer_mobile>
          <customer_country_code_iso_3166>NL</customer_country_code_iso_3166>
          <customer_email>gielwijgergangs@gmail.com</customer_email>
          <customer_newsletter>1</customer_newsletter>
        </Customer>
        <DeliveryAddress>
          <delivery_address_use_delivery_address>1</delivery_address_use_delivery_address>
          <delivery_address_name>CycleSoftware</delivery_address_name>
          <delivery_address_street_name>Kievitsven 22</delivery_address_street_name>
          <delivery_address_postal_code>5249JJ</delivery_address_postal_code>
          <delivery_address_housenumber>4</delivery_address_housenumber>
          <delivery_address_housenumber_suffix>b</delivery_address_housenumber_suffix>
          <delivery_address_city>Rosmalen</delivery_address_city>
          <delivery_address_country_code_iso_3166>NL</delivery_address_country_code_iso_3166>
          <delivery_address_remarks>Bam</delivery_address_remarks>
        </DeliveryAddress>
      </Order>
      <OrderItems>
        <OrderItem>
          <order_item_is_bicycle>0</order_item_is_bicycle>
```

```

<order_item_barcode>1000</order_item_barcode>
<order_item_quantity>2</order_item_quantity>
<order_item_description>DescriptionTest</order_item_description>
<order_item_unit_price_in_vat>12.99</order_item_unit_price_in_vat>
<order_item_unit_discount_amount_in_vat>2.99</order_item_unit_discount_amount_in_vat>
<order_item_vat_code>2</order_item_vat_code>
</OrderItem>
<OrderItem>
<order_item_is_bicycle>0</order_item_is_bicycle>
<order_item_barcode>1000</order_item_barcode>
<order_item_quantity>2</order_item_quantity>
<order_item_description>DescriptionTest</order_item_description>
<order_item_unit_price_in_vat>12.99</order_item_unit_price_in_vat>
<order_item_unit_discount_amount_in_vat>2.99</order_item_unit_discount_amount_in_vat>
<order_item_vat_code>2</order_item_vat_code>
</OrderItem>
</OrderItems>
</Order>
</ns1:SaveOrderRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Response example:

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<SaveOrderResponse>
<order_id>3688</order_id>
<customer_id>1498</customer_id>
<created_new_order>1</created_new_order>
<remarks>
</remarks>
<OrderItems>
<OrderItem>
<order_item_is_bicycle>0</order_item_is_bicycle>
<order_item_barcode>1000</order_item_barcode>
<order_item_quantity>2</order_item_quantity>
<order_item_description>Test product</order_item_description>
<order_item_unit_price_in_vat>12.99</order_item_unit_price_in_vat>
<order_item_unit_discount_amount_in_vat>2.99</order_item_unit_discount_amount_in_vat>
<order_item_vat_code>2</order_item_vat_code>
</OrderItem>
<OrderItem>
<order_item_is_bicycle>0</order_item_is_bicycle>
<order_item_barcode>1000</order_item_barcode>
<order_item_quantity>2</order_item_quantity>
<order_item_description>Test product</order_item_description>
<order_item_unit_price_in_vat>12.99</order_item_unit_price_in_vat>
<order_item_unit_discount_amount_in_vat>2.99</order_item_unit_discount_amount_in_vat>
<order_item_vat_code>2</order_item_vat_code>
</OrderItem>
<OrderItem>
<order_item_is_bicycle>0</order_item_is_bicycle>
<order_item_barcode>1000</order_item_barcode>
<order_item_quantity>2</order_item_quantity>
<order_item_description>Test product</order_item_description>
<order_item_unit_price_in_vat>12.99</order_item_unit_price_in_vat>
<order_item_unit_discount_amount_in_vat>2.99</order_item_unit_discount_amount_in_vat>

```



```
<order_item_vat_code>2</order_item_vat_code>  
</OrderItem>  
</OrderItems>  
</SaveOrderResponse>  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

5 SOAP: UPDATEORDER

Update order header information

WSDL: https://api.cyclesoftware.nl/app/cs/api/ecommerce/soap_2_0/?wsdl

Method: UpdateOrder

Field definition: in attachment

Request example:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns1="http://api.cyclesoftware.nl/app/cs/api/ecommerce/soap_2_0/">
<SOAP-ENV:Body>
<ns1:UpdateOrderRequest>
<Authentication>
<username></username>
<password></password>
<dealer_id>0</dealer_id>
</Authentication>
<order_id>3623</order_id>
<order_reference_id>
</order_reference_id>
<UpdateValues>
<UpdateValue>
<name>order_date_preferred_delivery</name>
<value>2015-11-09 15:50:35</value>
</UpdateValue>
</UpdateValues>
</ns1:UpdateOrderRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response example:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns1="http://api.cyclesoftware.nl/app/cs/api/ecommerce/soap_2_0/">
<SOAP-ENV:Body>
<ns1:OrderStatusResponse>
<order_id>3623</order_id>
<order_reference_text>563c8b1bc4ada</order_reference_text>
<order_reference_id>-663982782</order_reference_id>
<order_status_text>In behandeling</order_status_text>
<order_track_trace_reference>563c8b1bc4ada</order_track_trace_reference>
<order_date_preferred_delivery>2015-11-09 15:50:35</order_date_preferred_delivery>
<customer_id>1498</customer_id>
<invoice_id>0</invoice_id>
<OrderResultItems>
<OrderResultItem>
<order_item_status_id>0</order_item_status_id>
<order_item_status_text>Geen status</order_item_status_text>
<order_item_is_bicycle>1</order_item_is_bicycle>
<order_item_barcode>1000</order_item_barcode>
<order_item_quantity>2</order_item_quantity>
<order_item_description>Test product</order_item_description>
<order_item_unit_price_in_vat>10.00</order_item_unit_price_in_vat>
<order_item_unit_discount_amount_in_vat>2.99</order_item_unit_discount_amount_in_vat>
```

```
<order_item_vat_code>2</order_item_vat_code>
</OrderResultItem>
<OrderResultItem>
<order_item_status_id>0</order_item_status_id>
<order_item_status_text>Geen status</order_item_status_text>
<order_item_is_bicycle>0</order_item_is_bicycle>
<order_item_barcode>1000</order_item_barcode>
<order_item_quantity>2</order_item_quantity>
<order_item_description>Test product</order_item_description>
<order_item_unit_price_in_vat>10.00</order_item_unit_price_in_vat>
<order_item_unit_discount_amount_in_vat>2.99</order_item_unit_discount_amount_in_vat>
<order_item_vat_code>2</order_item_vat_code>
</OrderResultItem>
</OrderResultItems>
</ns1:OrderStatusResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

6 SOAP: ADDORDERITEMS

Add one or more order items to existing order WSDL:

https://api.cyclesoftware.nl/app/cs/api/ecommerce/soap_2_0/?wsdl

Method: AddOrderItems

Field definition: in attachment

Request example:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ns1="http://api.cyclesoftware.nl/app/cs/api/ecommerce/soap_2_0/">
  <SOAP-ENV:Body>
    <ns1:AddOrderItemsRequest>
      <Authentication>
        <username></username>
        <password></password>
        <dealer_id>0</dealer_id>
      </Authentication>
      <order_id>3692</order_id>
      <order_reference_id>
      </order_reference_id>
      <OrderItems>
        <OrderItem>
          <order_item_is_bicycle>0</order_item_is_bicycle>
          <order_item_barcode>5640c122a30b9</order_item_barcode>
          <order_item_quantity>2</order_item_quantity>
          <order_item_description>DescriptionTest</order_item_description>
          <order_item_unit_price_in_vat>12.99</order_item_unit_price_in_vat>
          <order_item_unit_discount_amount_in_vat>2.99</order_item_unit_discount_amount_in_vat>
          <order_item_vat_code>2</order_item_vat_code>
        </OrderItem>
      </OrderItems>
    </ns1:AddOrderItemsRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response example:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ns1="http://api.cyclesoftware.nl/app/cs/api/ecommerce/soap_2_0/">
  <SOAP-ENV:Body>
    <ns1:OrderStatusResponse>
      <order_id>3692</order_id>
      <order_reference_text>5640c122154db</order_reference_text>
      <order_reference_id>-319656665</order_reference_id>
      <order_status_text>In behandeling</order_status_text>
      <order_track_trace_reference>
      </order_track_trace_reference>
      <order_date_preferred_delivery>2015-12-01 00:00:00</order_date_preferred_delivery>
      <customer_id>1498</customer_id>
      <invoice_id>0</invoice_id>
      <OrderResultItems>
        <OrderResultItem>
          <order_item_status_id>0</order_item_status_id>
          <order_item_status_text>Geen status</order_item_status_text>
```

```
<order_item_is_bicycle>1</order_item_is_bicycle>
<order_item_barcode>1000</order_item_barcode>
<order_item_quantity>2</order_item_quantity>
<order_item_description>Test product</order_item_description>
<order_item_unit_price_in_vat>10.00</order_item_unit_price_in_vat>
<order_item_unit_discount_amount_in_vat>2.99</order_item_unit_discount_amount_in_vat>
<order_item_vat_code>1</order_item_vat_code>
</OrderResultItem>
<OrderResultItem>
<order_item_status_id>0</order_item_status_id>
<order_item_status_text>Geen status</order_item_status_text>
<order_item_is_bicycle>0</order_item_is_bicycle>
<order_item_barcode>5640c122a30b9</order_item_barcode>
<order_item_quantity>2</order_item_quantity>
<order_item_description>DescriptionTest</order_item_description>
<order_item_unit_price_in_vat>10.00</order_item_unit_price_in_vat>
<order_item_unit_discount_amount_in_vat>2.99</order_item_unit_discount_amount_in_vat>
<order_item_vat_code>2</order_item_vat_code>
</OrderResultItem>
</OrderResultItems>
</ns1:OrderStatusResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

7 ATTACHMENT: ARTICLE DATA DEFINITIONS

Main object

Element	Description
error	boolean
error_message	Error message description
results	Number of results (max 750)
next_result_set	Next result set url e.g. /load/ci_app/api/article_data/750

Data object

Element	Description	Length
barcode	Article barcode (alpha numeric)	20
parent_barcode		20
is_bicycle	Boolean article is bicycle	
bicycle_id	Multiple unique bicycle identifiers	
suppliers	See supplier object	
salesprice	Price without promo	10
rrp	Recommended Retail Price	10
pos_description	Description used in POS and Invoices	255
brand	Brand name	30
nietmeerleverbaar	?	
promo_salesprice	Promo price	10
promo_startdate	yyyy-mm-dd hh:mm:ss	19
promo_enddate	yyyy-mm-dd hh:mm:ss	19
Sales_text	Product description	10000
custom_variable_1	Custom defined variable	100
custom_variable_2		100
custom_variable_3		100
custom_variable_4		100
custom_variable_5		100
images	Object with image urls see images object	
product_group_main	DST main group description	40
product_group_sub	DST sub group description	40
product_group_sub_sub	DST sub sub group description	80
product_group_id	DST group code	8
product_pos_group_id	POS sales group see request /load/ci_app/api/groups	
bicycle_data	Bicycle data object	
dst_data	DST data object	

images data object

Element	Description	Length
date_modified	dd-mm-yyyy hh:mm:ss	19
url_thumb	url to thumb image	100
url_large	url to large image	100

supplier data object

Element	Description	Length
preference	Preference sequence id (lowest number, highest priority)	
supplier_id	Supplier identifier see request /load/ci_app/api/groups	
article_id	Article ID for supplier	30
Article_id_2	Alternative article ID supplier	30
rrp	Supplier recommended retail price	10
group_name	Supplier main group name	125
Subgroup_name	Supplier sub group name	125

bicycle_data object

Element	Description	Length
Bicycle_id	Unique identifier of bicycle	
article_id	Article ID for supplier	
article_id_2	Alternative article ID supplier	
barcode	Barcode	20
store_id	Store Identifier where bicycle is located	
Brand	Brand name	50
Model	Model name of bicycle	50
Category	Depreciated category name	50
frametype	Bicycle frame type (Heren/Dames/Jongens/Meisjes/Uni)	20
Color	Supplier color description	50
basic_color	Basic color description	50
secondary_basic_color	2nd basic color description	50
Status	"Nieuw" or "Gebruikt"	10
wheelsize	Wheel size	50
framesize	frameheight	50
Framesize_description		
description	Product description	255

model_year	Product model year	
size		
customer_group	e.g. Heren/Dames/UNI etc	20
material	Material of product	15
weight_netto	Net weight of product	10
weight_bruto	Bruto weight of product	10
brand_brake_system_front	Brand of brake system front	
type_brake_system_front	Type of brake system front	
model_brake_system_front	Model name of brake system front	
brand_brake_system_rear	Brand of brake system rear	
type_brake_system_rear	Type of brake system rear	

dst_data object

Element	Description	Length
datemodified	yyyy-mm-dd hh:mm:ss	19
supplier	Supplier name	50
article_id	Article ID for supplier	30
article_id_2	Alternative article ID supplier	30
Main_group_id	DST main group id code	2
Sub_group	DST sub group id code	2
Subsub_group	DST sub sub group id code	2
Frametype	Bicycle frame type (Heren/Dames/Jongens/Meisjes/Uni)	20
Color	Supplier color description	50
Basic_color	Basic color description	50
Secondary_basic_color	2nd basic color description	50
Description	Product description	255
Model_year	Product model year	
size		
customer_group	e.g. Heren/Dames/UNI etc	20
material	Material of product	15
weight_netto	Net weight of product	10
weight_bruto	Bruto weight of product	10
brand_brake_system_front	Brand of brake system front	
type_brake_system_front	Type of brake system front	
model_brake_system_front	Model name of brake system front	
brand_brake_system_rear	Brand of brake system rear	
type_brake_system_rear	Type of brake system rear	
model_brake_system_rear	Model name of brake system rear	

gears	Number of gears	
brand_gearsystem_rear	Brand gearing system	
type_gearsystem_rear	Type gearing system	
model_gearsystem_rear	Model name gearing system	

ib_data object

this object is depreciated

8 ATTACHMENT: SOAP FIELD DEFINITION

SOAP fields in wsdl definition.

Element	Type	Description
created_new_order	bool (1/0)	If order_reference_id exists in CS, a new order is not created to prevent duplicates
customer_city	varchar	
customer_country_code_iso_3166	char(2)	Two character iso3166 country code
customer_email	varchar	
customer_housenumber	varchar	
customer_housenumber_suffix	varchar	Suffix in housenumber
customer_id	int	Customer ID in CycleSoftware
customer_last_name	varchar	
customer_middle_name	varchar	
customer_mobile	varchar	Mobile number
customer_name_prefix	varchar	Prefix name
customer_newsletter	bool 1/0	1=subscribe to newsletter
customer_phone	varchar	Phone number land line
customer_postal_code	varchar	
customer_reference	varchar	Unique customer reference (e.g. customer id in webshop)
customer_street_name	varchar	
dealer_id	int	default: "0", usage depends on implementation details
delivery_address_city	varchar	
delivery_address_country_code_iso_3166	char(2)	
delivery_address_housenumber	varchar	
delivery_address_housenumber_suffix	varchar	
delivery_address_name	varchar	Full name for delivery address
delivery_address_postal_code	varchar	
delivery_address_remarks	varchar	Extra remark for address
delivery_address_street_name	varchar	
delivery_address_use_delivery_address	bool 1/0	If 1 then the DeliveryAddress will be the delivery address, if 0 the Customer address will be used for delivery
order_date_preferred_delivery	date (yyyy-dd-mm)	Date for preferred delivery to customer
order_id	int	Order ID in CycleSoftware
order_is_paid	bool 1/0	1 = order is already paid
order_item_barcode	varchar	EAN / barcode of article

order_item_description	varchar	Description for invoice
order_item_is_bicycle	bool 1/0	
order_item_quantity	int	Quantity sold (use quantity = 1 for is_bicycle = 1 and add more items)
order_item_status_id	int	
order_item_status_text	varchar	
order_item_unit_discount_amount_in_vat	decimal	Unit discount amount
order_item_unit_price_in_vat	decimal	Unit price with discount calculated
order_payment_method_description	varchar	e.g. ideal
Order_reference_id	varchar	Order reference for unique identification of order in webshop
order_reference_text	varchar	Reference text for webshop order
order_ship_to_customer	bool 1/0	1=shipping to customer, 0=pickup in store
order_shipment_method_description	varchar	Shipping description e.g. DHL
order_status_text	varchar	Status text of order
order_track_trace_reference	varchar	TrackTrace ID
password	varchar	Password for webservices
remarks	varchar	Remarks for response
UpdateValue.name	varchar	One of the following fields update: order_reference_text order_is_payed order_payment_method_description order_ship_to_customer order_shipment_method_description order_date_preferred_delivery order_track_trace_reference
username	varchar	Username for webservices
UpdateValue.value	Mixed	Value for the field, see corresponding field name