



Adding value to business

# David

Technical information for Wholesalers  
(How to get started)



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## 1 General information

### 1.1 Environments

Two environments exist – a test environment and a production environment.

### 1.2 Service endpoints

One of the great things about this platform is that you only need to know about one endpoint. Based on the content of the xml request the endpoint will decide where to forward your request.

#### 1.2.1 Test environment

For the test environment the endpoint can be found at:

[http\(s\)://main.david.eg.dk/](http(s)://main.david.eg.dk/)

If You need to retrieve the wsdl this can be done from:

[http\(s\)://main.david.eg.dk/BuyerService.svc?wsdl](http(s)://main.david.eg.dk/BuyerService.svc?wsdl)

#### 1.2.2 Production environment

For the production environment the endpoint can be found at:

[http\(s\)://service.david.dk/](http(s)://service.david.dk/)

If You need to retrieve the wsdl this can be done from:

[http\(s\)://service.david.dk/BuyerService.svc?wsdl](http(s)://service.david.dk/BuyerService.svc?wsdl)

## 2 Before You begin

Because this is a closed platform – for members of the David organization only, you will need to be provided with a username and password for each of the suppliers. To make this task as easy for you as possible this will be handles by David. All suppliers will create a login for all of You wholesalers, when they enter the platform. These logins will be managed by David, meaning that all you need to do is to contact David requesting the logins for the platform. David will then send You all the logins currently available.

### 2.1 David contact information

To receive the appropriate logins for both the testing environment and the production environment please contact Dennis Lund at [dennis@david.dk](mailto:dennis@david.dk)

## 3 Sample request

Once You have received the logins from David you are ready to start sending requests. For testing purposes you will find a test request along with this document. Be sure to alter the relevant fields to match your company.

### 3.1 Fields you need to change

Fieldname	Description
Login/username	Provide the username for the supplier the request is intended for
Login/password	Provide the password for the supplier the request is intended for
Inquiry/receiver/location/EANlocation	Provide the EAN number for the supplier the request is intended for
Inquiry/sender/location/EANlocation	Provide your companys EAN number
Inquiry/item/itemeannumber Inquiry/item/vvsnumber Inquiry/item/itemid	Choose what identifier you will provide to uniquely identify the item. One or more identifiers are allowed.
Inquiry/item/itemlevdate	Provide the requested delivery date

### 3.2 Xml request example

```
<?xml version="1.0" encoding="utf-8"?>
<VVSorder xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <login>
    <user>lemu</user>
    <passwd>12lemu34</passwd>
  </login>
  <inquiry>
    <objectid />
  </inquiry>
</VVSorder>
```



```
<transaktion />
<receiver>
  <location>
    <EANlocation>5790000273928</EANlocation>
    <name />
    <address />
    <postalcode />
    <postalcity />
    <countrycode />
  </location>
</receiver>
<item>
  <itemeanumber>5705896020013</itemeanumber>
  <vvsnumber />
  <itemid></itemid>
  <quantity>10</quantity>
  <unit>PCE</unit>
  <unitquantity />
  <price />
  <exchange>dkk</exchange>
  <code />
  <itemlevdate>20-09-2010</itemlevdate>
</item>
<sender>
  <location>
    <EANlocation>5790001088507</EANlocation>
    <name>test</name>
    <address>test</address>
    <postalcode>9000</postalcode>
    <postalcity>test</postalcity>
    <countrycode>dkk</countrycode>
  </location>
  <fetch />
</sender>
<delivery>
  <date />
  <allitemdeldate />
</delivery>
<send>
  <date />
  <time />
  <user />
</send>
<ordernumber />
</inquiry>
</VVSorder>
```

### 3.3 VVSorder XSD

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified">
  <xs:element name="EANlocation" type="xs:string"/>
  <xs:element name="VVSorder">
    <xs:complexType>
      <xs:sequence>
```



```
<xs:element ref="deploymentmode" minOccurs="0"/>
<xs:element ref="creator" minOccurs="0"/>
<xs:element ref="login"/>
<xs:element ref="inquiry" minOccurs="0"/>
<xs:element ref="inquiryresponse" minOccurs="0"/>
<xs:element ref="order" minOccurs="0"/>
<xs:element ref="orderresponse" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="address" type="xs:string"/>
<xs:element name="code" type="xs:string"/>
<xs:element name="comments" type="xs:string"/>
<xs:element name="countrycode" type="xs:string"/>
<xs:element name="creator" type="xs:string"/>
<xs:element name="date" type="xs:string"/>
<xs:element name="deliverto">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="location"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="delivery">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="handlingcharge" minOccurs="0"/>
      <xs:element ref="transportprice" minOccurs="0"/>
      <xs:element ref="date"/>
      <xs:element ref="transportation" minOccurs="0"/>
      <xs:element ref="allitemdeldate" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="deploymentmode" type="xs:string"/>
<xs:element name="exchange" type="xs:string"/>
<xs:element name="fetch" type="xs:string"/>
<xs:element name="handlingcharge" type="xs:string"/>
<xs:element name="inquiry">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="objectid"/>
      <xs:element ref="transaktion"/>
      <xs:element ref="receiver"/>
      <xs:element ref="item" maxOccurs="unbounded"/>
      <xs:element ref="sender"/>
      <xs:element ref="deliverto" minOccurs="0"/>
      <xs:element ref="transportation" minOccurs="0"/>
      <xs:element ref="delivery"/>
      <xs:element ref="send"/>
      <xs:element ref="ordernumber"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="inquiryresponse">
```

```

<xs:complexType>
  <xs:sequence>
    <xs:element ref="objectid"/>
    <xs:element ref="transaktion"/>
    <xs:element ref="message"/>
    <xs:element ref="item" maxOccurs="unbounded"/>
    <xs:element ref="delivery" minOccurs="0"/>
    <xs:element ref="comments" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="item">
  <xs:complexType>
    <xs:sequence>
      <xs:choice maxOccurs="3">
        <xs:element ref="itemid" minOccurs="0"/>
        <xs:element ref="itemeanumber" minOccurs="0"/>
        <xs:element ref="vvsnumber" minOccurs="0"/>
      </xs:choice>
      <xs:element ref="quantity"/>
      <xs:element ref="unit"/>
      <xs:element ref="unitquantity"/>
      <xs:element ref="price"/>
      <xs:element ref="text" minOccurs="0"/>
      <xs:element ref="exchange"/>
      <xs:element ref="code"/>
      <xs:element ref="listprice" minOccurs="0"/>
      <xs:element ref="itemlevdate" minOccurs="0"/>
      <xs:element ref="comments" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="itemid" type="xs:string"/>
<xs:element name="location">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="EANlocation"/>
      <xs:element ref="name"/>
      <xs:element ref="address"/>
      <xs:element ref="postalcode"/>
      <xs:element ref="postalcity"/>
      <xs:element ref="countrycode"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="login">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="user"/>
      <xs:element ref="passwd"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="message">
  <xs:complexType>

```



```
<xs:sequence>
  <xs:element ref="code"/>
  <xs:element ref="text" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="name" type="xs:string"/>
<xs:element name="objectid" type="xs:string"/>
<xs:element name="order">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="objectid"/>
      <xs:element ref="transaktion"/>
      <xs:element ref="receiver"/>
      <xs:element ref="item" maxOccurs="unbounded"/>
      <xs:element ref="sender"/>
      <xs:element ref="deliverto" minOccurs="0"/>
      <xs:element ref="transportation" minOccurs="0"/>
      <xs:element ref="delivery"/>
      <xs:element ref="send"/>
      <xs:element ref="ordernumber"/>
      <xs:element ref="exchange" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ordernumber" type="xs:string"/>
<xs:element name="orderresponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="objectid"/>
      <xs:element ref="transaktion"/>
      <xs:element ref="message"/>
      <xs:element ref="item" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="passwd" type="xs:string"/>
<xs:element name="postalcity" type="xs:string"/>
<xs:element name="postalcode" type="xs:string"/>
<xs:element name="price" type="xs:string"/>
<xs:element name="quantity" type="xs:string"/>
<xs:element name="receiver">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="location"/>
      <xs:element ref="comments" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="reference" type="xs:string"/>
<xs:element name="send">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="date"/>
      <xs:element ref="time"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

        <xs:element ref="user"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="sender">
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="location"/>
            <xs:element ref="fetch"/>
            <xs:element ref="comments" minOccurs="0"/>
            <xs:element ref="reference" minOccurs="0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="text" type="xs:string"/>
<xs:element name="time" type="xs:string"/>
<xs:element name="transaktion" type="xs:string"/>
<xs:element name="transportation" type="xs:string"/>
<xs:element name="transportprice" type="xs:string"/>
<xs:element name="unit" type="xs:string"/>
<xs:element name="unitquantity" type="xs:string"/>
<xs:element name="user" type="xs:string"/>
<xs:element name="vvsnumber" type="xs:string"/>
<xs:element name="itemeannumber" type="xs:string"/>
<xs:element name="listprice" type="xs:string"/>
<xs:element name="itemlevdate" type="xs:string"/>
<xs:element name="allitemdeldate" type="xs:string"/>
</xs:schema>

```

#### 4 Test form – for manual testing

A simple testform has been designed. Using the test form you will be able to manually test that the requests you create are working. It looks something like this:



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Request	Response
<pre>&lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;VVSOrder xmlns:xsi="http://www.w3.org/2001/XMLSchema- instance"&gt;   &lt;login&gt;     &lt;user&gt;lemu&lt;/user&gt;     &lt;passwd&gt;12lemu34&lt;/passwd&gt;   &lt;/login&gt;   &lt;inquiry&gt;     &lt;objectid /&gt;     &lt;transaktion /&gt;     &lt;receiver&gt;       &lt;location&gt;         &lt;EANlocation&gt;5790000273928&lt;/EANlocation&gt;         &lt;name /&gt;         &lt;address /&gt;         &lt;postalcode /&gt;         &lt;postalcity /&gt;         &lt;countrycode /&gt;       &lt;/location&gt;     &lt;/receiver&gt;     &lt;item&gt;       &lt;itemeanumber&gt;5705896020013&lt;/itemeanumber&gt;       &lt;vvsnumber /&gt;       &lt;itemid /&gt;       &lt;quantity&gt;10&lt;/quantity&gt;       &lt;unit&gt;PCE&lt;/unit&gt;       &lt;unitquantity /&gt;       &lt;price /&gt;       &lt;exchange&gt;dkk&lt;/exchange&gt;       &lt;code /&gt;       &lt;itemlevdate&gt;20-10-2010&lt;/itemlevdate&gt;     &lt;/item&gt;     &lt;sender&gt;       &lt;location&gt;         &lt;EANlocation&gt;5790001088507&lt;/EANlocation&gt;         &lt;name&gt;test&lt;/name&gt;         &lt;address&gt;test&lt;/address&gt;         &lt;postalcode&gt;9000&lt;/postalcode&gt;</pre>	<pre>&lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;VVSOrder&gt;   &lt;creator&gt;Producent Webservice&lt;/creator&gt;   &lt;login&gt;     &lt;user&gt;lemu&lt;/user&gt;     &lt;passwd&gt;12lemu34&lt;/passwd&gt;   &lt;/login&gt;   &lt;inquiryresponse&gt;     &lt;objectid /&gt;     &lt;transaktion /&gt;     &lt;message&gt;       &lt;code&gt;0000&lt;/code&gt;       &lt;text&gt;Ok - Transaktionen forløb planmæssigt&lt;/text&gt;     &lt;/message&gt;     &lt;item&gt;       &lt;itemid&gt;01 5230.010&lt;/itemid&gt;       &lt;vvsnumber&gt;015230010&lt;/vvsnumber&gt;       &lt;itemeanumber&gt;5705896020013&lt;/itemeanumber&gt;       &lt;quantity&gt;10&lt;/quantity&gt;       &lt;unit&gt;PCE&lt;/unit&gt;       &lt;unitquantity /&gt;       &lt;price&gt;6,25&lt;/price&gt;       &lt;text&gt;RØRROSET&lt;/text&gt;       &lt;exchange&gt;dkk&lt;/exchange&gt;       &lt;code&gt;0000&lt;/code&gt;       &lt;listprice&gt;6,25&lt;/listprice&gt;       &lt;itemlevdate&gt;20101020&lt;/itemlevdate&gt;       &lt;comments&gt;Ok - Transaktionen forløb planmæssigt&lt;/comments&gt;     &lt;/item&gt;     &lt;delivery&gt;       &lt;handlingcharge&gt;50&lt;/handlingcharge&gt;       &lt;transportprice&gt;0&lt;/transportprice&gt;       &lt;date /&gt;       &lt;allitemdeldate&gt;20101020&lt;/allitemdeldate&gt;     &lt;/delivery&gt;     &lt;comments&gt;Response generation timestamp (UTC): 08-10- 2010 13:26:39&lt;/comments&gt;</pre>

#### 4.1 Test environment url:

<http://main.david.eg.dk/maintester/>

#### 4.2 Production environment url:

<http://service.david.dk/centralservicetester/>

All You need to do is to copy the content from your sample request into the "request" field. Press the "submit" button to submit the request. In the "response" field you will be able to see how your request was handled.