



USER GUIDE

HOW TO DEBUG CONSIGNMENT MESSAGE

LogTrade Connect for Microsoft Dynamics 365 Business Central





1 GENERAL

Every time Dynamics 365 Business Central communicates with LogTrade a SOAP/XML message is sent from BC as a request and a response is sent back. By default these messages are always stored in BC to make it easier to debug the integration.

This document describes how you can see what information that has been sent from BC to LogTrade and also how you can change the default debug setup.

2 SETTINGS

By default, the message debug settings are already setup to save all messages for 7 days. It is possible to change this but not recommended. To change the settings open *Delivery Setup* and go to the tab called *Message Log*. The fields that can be changed are:

Log Messages: Blank, On Error, Always (Default). By default, all messages are saved

Message Entry Log age limit: This field shows how many days the messages will be saved in the log table.

Last Date Checked Message Log: Automatically filled in with the last date the system checked if any logged messages should be removed. This check is done every day when the first communications to LogTrade is happening.

Keep Error Messages: This settings defines if error messages should be kept after the age limit

Delivery Setup

General >

Numbering >

Consignment Defaults >

Items >

Customs Invoice >

Message Log

Log Messages Always ▾ Last Date Checked M... 3/17/2021 📅

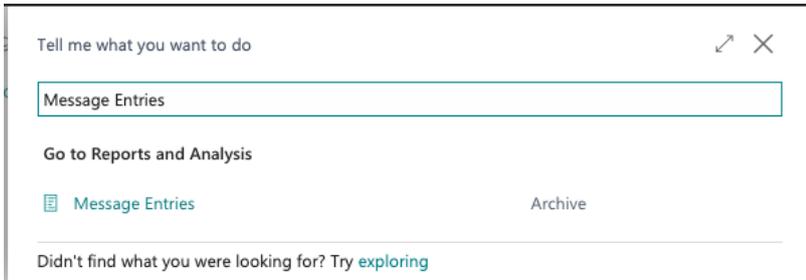
Message Entry Log ag... 7 Keep Error Messages





3 MESSAGE ENTRIES

All messages are stored. Just search for *Message Entries* and open the page.



The *Message Entries* page show all messages. Each command as one line. Here you can see what message action, for example CreateShipment, GetPriceQuote, GetStatus etc. You can also see the date and time the message was sent and the user in Dynamics 365 BC. To the right in the page, you will see a response time in milliseconds and also if there were any error. The most interesting messages are often the messages that gives an error.

To see the messages there are two buttons in the menu.

Export Request – This button will export the request that was sent to LogTrade

Export Response – This message will export the response message back from LogTrade. You should always have a response message, not only when something goes wrong.

| Entry No. ↓ | Action | Date and Time | User ID | Response time (ms) | Contains Errors |
|-------------|------------------|--------------------|------------------|--------------------|-------------------------------------|
| 1237 | CreateShipmentEx | 3/18/2021 12:57 PM | LTCNAVDEV\MARCUS | 394.00 | <input type="checkbox"/> |
| 1236 | CreateShipmentEx | 3/18/2021 12:57 PM | LTCNAVDEV\MARCUS | 225.00 | <input checked="" type="checkbox"/> |
| 1235 | CreateShipmentEx | 3/18/2021 12:56 PM | LTCNAVDEV\MARCUS | 270.00 | <input type="checkbox"/> |
| 1234 | CreateShipmentEx | 3/18/2021 12:55 PM | LTCNAVDEV\MARCUS | 329.00 | <input type="checkbox"/> |





3.1 REQUEST EXAMPLE

The request message includes all information for a specific action. In this below example it is supposed to create a shipment, action CreateShipmentEx. The additional service Advice via SMS is added but no SMS number is included in the Recipient/Delivery address.

```
<?xml version='1.0' encoding='utf-8'>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CreateShipmentEx xmlns="http://services.logtrade.info/Logtrade.Distribution.v3">
      <authorization>
        <LicenseNumber>LTD8101575</LicenseNumber>
        <UserId>mw@logtrade.se</UserId>
        <Password>*****</Password>
        <ApplicationId>DYN365BC</ApplicationId>
        <Locale>en</Locale>
      </authorization>
      <command>Replace</command>
      <action>Prepare</action>
      <shipment>
        <ConsignmentId>BC17W1031700000</ConsignmentId>
        <ProductCode>GenericForwarder_18_0</ProductCode>
        <ShipmentNumber>6556875802</ShipmentNumber>
        <ShipmentDate>2022-01-27T00:00:00Z</ShipmentDate>
        <TestFlag>true</TestFlag>
        <ShipmentType>NotSet</ShipmentType>
        <UseReturnLabel>false</UseReturnLabel>
        <ResidentialRecipientIndicator>false</ResidentialRecipientIndicator>
        <PaymentIndicator>Sender</PaymentIndicator>
        <ShipmentAddresses>
          <ShipmentAddress>
            <AddressType>Sender</AddressType>
            <Name>CRONUS International Ltd.</Name>
            <Address1>5 The Ring</Address1>
            <Address2>Westminster</Address2>
            <CountryCode>GB</CountryCode>
            <ZipCode>W2 8HG</ZipCode>
            <City>London</City>
            <ContactPerson>Adam Matteson</ContactPerson>
            <PhoneNumber>0666-666-6666</PhoneNumber>
            <FaxNumber>0666-666-6660</FaxNumber>
            <VatNumber>77777777</VatNumber>
          </ShipmentAddress>
          <ShipmentAddress>
            <AddressType>Recipient</AddressType>
            <Name>The Cannon Group PLC</Name>
            <Address1>192 Market Square</Address1>
            <CountryCode>GB</CountryCode>
            <ZipCode>B27 4KT</ZipCode>
            <City>Birmingham</City>
            <ContactPerson>Mr. Andy Teal</ContactPerson>
            <Email>mr.andy.teal@contoso.com</Email>
          </ShipmentAddress>
          <ShipmentAddress>
            <AddressType>Pickup</AddressType>
            <Name>Blue Warehouse</Name>
            <Address1>South East Street, 3</Address1>
            <CountryCode>GB</CountryCode>
            <ZipCode>B27 4KT</ZipCode>
            <City>Birmingham</City>
            <ContactPerson>Jeff Smith</ContactPerson>
            <PhoneNumber>+44-(0)20 8207 4533</PhoneNumber>
            <FaxNumber>+44-(0)20 8207 5000</FaxNumber>
          </ShipmentAddress>
        </ShipmentAddresses>
        <ShipmentServices>
          <ShipmentServiceBase xsi:type="ShipmentService">
            <ServiceName>GenericForwarderAdviceService</ServiceName>
            <Properties>
              <Property>
                <Name>NotifyType</Name>
                <Value>SMS</Value>
              </Property>
            </Properties>
          </ShipmentServiceBase>
        </ShipmentServices>
        <GoodsItems>
          <GoodsItem>
            <GoodsDescription>Goods</GoodsDescription>
            <NumberOfPackages>1</NumberOfPackages>
            <TypeOfPackageCode>PC</TypeOfPackageCode>
            <GrossWeight>9999999999</GrossWeight>
            <PackageItems>
              <PackageItem>
                <PackageId>2</PackageId>
                <PackageNumber>373400306024000943</PackageNumber>
                <GrossWeight>9999999999</GrossWeight>
              </PackageItem>
            </PackageItems>
          </GoodsItem>
        </GoodsItems>
      </shipment>
    </CreateShipmentEx>
  </soap:Body>
</soap:Envelope>
```





3.2 RESPONSE EXAMPLE

Since the additional service Advice via SMS should be added the consignment could not get prepared (validated). The response clearly shows the error message. And by looking in the response you can see that it is correct, no SMS number was sent in the Recipient address.

```
<?xml version='1.0' encoding='UTF-8'>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CreateShipmentExResponse xmlns="http://services.logtrade.info/Logtrade.Distribution.v3">
      <CreateShipmentExResult>
        <Result>Failed</Result>
        <Messages>
          <ResponseMessage>
            <Code>V02</Code>
            <Message>
              The field SMS number is mandatory when using Advise
            </Message>
          </ResponseMessage>
        </Messages>
        <PackageDetails/>
        <DocumentPdfUrls/>
      </CreateShipmentExResult>
    </CreateShipmentExResponse>
  </soap:Body>
</soap:Envelope>
```