



Obtaining Rates, Dispatching Orders and Receiving Tracking Updates via Web Services

XML Rate Quotes

This section deals with obtaining automated rate quotes via XML.

To utilize the Rate Quote API, you must submit an http request with a URL constructed as follows:

[https://tracking.carrierlogistics.com/scripts/sft.pol/ratequote.xml?xmlv=yes&xmluser=USERID&xmlpass=PASSWORD&vozip=90210&vdzip=11598&wpieces\[1\]=10&wpallets\[1\]=1&wweight\[1\]=1320&vclass\[1\]=92.5&RESDEL=Yes](https://tracking.carrierlogistics.com/scripts/sft.pol/ratequote.xml?xmlv=yes&xmluser=USERID&xmlpass=PASSWORD&vozip=90210&vdzip=11598&wpieces[1]=10&wpallets[1]=1&wweight[1]=1320&vclass[1]=92.5&RESDEL=Yes)

- **Username:** ID that company would use for <https://tracking.carrierlogistics.com/scripts/sft.pol/facts.htm> (The user-id in the above example is "USERID")
- **Password:** Password that the company uses to login to the website

The following variables are required:

xmluser = the user-id that company would use to log in to the website. In the example above, the user-id is "USERID"

xmlpass = the password that company would use to login the website. In the example above, the password is "PASSWORD."

vozip = origin (shipper's) zip code. In the example above, the zip is "90210."

vdzip = destination (consignee's) zip code. In the example above, the zip is "11598."

wpieces[1] = number of pieces being shipped on line "1." In the example above, the pieces is "10."

wpallets[1] = number of pallets being shipped on line "1." In the example above, there is "1."

wweight[1] = weight in pounds being shipped on line "1." In the example above, the weight is "1320."

vclass[1] = freight class being shipped on line "1." In the example above, the class is "92.5."

The following fields are optional, and can be added

Additional freight lines:

The variables wpieces, wpallets, wweights, and vclass are an array. If there are additional freight lines then these four variables can be submitted with the next integer value (i.e., 2, 3, 4) inside of the brackets ([]).

Accessorial. The accessorial code can be submitted with an argument of "yes." In the example above, the accessorial is: "RESDEL."

For a list of accessorial charges, click here: <http://tracking.carrierlogistics.com/scripts/sft.pol/keywordlist.xml>



RESPONSE. The system will provide an XML response which can be parsed to determine the charges, etc.

The response for the example is:

```
<ratequote>
  <ratequoteline>
    <pallets>1</pallets>
    <pieces>10</pieces>
    <chargedesc>CHARGES</chargedesc>
    <weight>1320</weight>
    <dimweight>0</dimweight>
    <class>092</class>
    <rate> 86.10</rate>
    <charge>1,136.52</charge>
  </ratequoteline>
  <ratequoteline>
    <chargedesc>DISCOUNT 76</chargedesc>
    <charge> -63.76</charge>
  </ratequoteline>
  <ratequoteline>
    <chargedesc>FUEL SURCHARGE</chargedesc>
    <charge> 90.01</charge>
  </ratequoteline>
  <ratequoteline>
    <chargedesc>RESIDENTIAL DELIVERY</chargedesc>
    <charge> 66.00</charge>
  </ratequoteline>
  <ratequoteline>
    <chargedesc>DELIVERY SURCHARGE</chargedesc>
    <charge> 25.00</charge>
  </ratequoteline>
  <quotetotal> 453.77</quotetotal>

  <totalpallets>1</totalpallets>
  <totalpieces>10</totalpieces>
  <totalweight>1320</totalweight>
  <busdays>6</busdays>
  <quoteversion>ratequote-20100927</quoteversion>
  <quotedatetime>08/10/2011 15:15:07.062-07:00</quotedatetime>
</ratequote>
```



XML Dispatch and Bill of Lading Requests

This document specifies how to call the XML HTTP POST method of generating automated Bills of Lading and pickup requests via XML.

To call the FACTS XML Bill of Lading Request API, an XML document containing the appropriate variables should be posted to the `tbolnav4.xml` function as variable name `xmlreq`.

For example:

```
https://tracking.carrierlogistics.com/scripts/example.pol/tbolentry4.xml?xmlreq=some xml
```

Alternatively, variables can be posted directly to the function as arguments of the `xmlv=yes` argument is included:

```
https://tracking.carrierlogistics.com/scripts/example.pol/tbolentry4.xml?xmlv=yes&var1=a&var2=b
```

The list of variables is as follows:

Variable Name	Required	Contents
<code>xmluser</code> or <code>UserName</code>	Yes	User name
<code>xmlpass</code> or <code>Password</code>	Yes	Password
<code>ShipID</code> or <code>shipaddrno</code>	No	Shipper Address No
<code>shipname</code>	No – will default to your location	Shipper Name
<code>shipaddr</code>	No – will default to your location	Shipper Address
<code>shipaddr2</code>	No – will default to your location	Shipper Address 2
<code>shipcity</code>	No – will default to your location	Shipper City
<code>shipst</code>	No – will default to your location	Shipper State
<code>shipzip</code>	No – will default to your location	Shipper Zip
<code>shipcont</code>	No – will default to your location	Shipper Contact
<code>shipphone</code>	No – will default to your location	Shipper Phone
<code>shipemail</code>	No – will default to your location	Shipper Email
<code>ConsID</code> or <code>consaddrno</code>	No	Consignee Address No
<code>consname</code>	Required if consignee ID not provided	Consignee Name

Variable Name	Required	Contents
consaddr	Required if consignee ID not provided	Consignee Address
consaddr2	No	Consignee Address 2
conscity	Required if consignee ID not provided	Consignee City
const	Required if consignee ID not provided	Consignee State
conszip	Required if consignee ID not provided	Consignee Zip
conscont	Required if consignee ID not provided	Consignee Contact
consphone	Required if consignee ID not provided	Consignee Phone
consecphone	No	Consignee Second Phone
consemail	No	Consignee Email
bolno	No	Bill of Lading Number
pono	No	Purchase Order Number
billref	No	Debtor Account Number
declval	No	Declared Value
codamt	No	COD Amount
codcert	No	Yes or No. Are certified funds required
codto	No	COD Payable To
hazphone	Yes if any line items are hazardous	HazMat contact phone number
spcinstr	No	Special Instructions
bolmails	No	Yes or No. Email the BOL to the shipper
shipmails	No	Yes or No. Send a shipment notification email to the shipper
apptmails	No	Yes or No. Send an appointment notification email to the shipper
ofdmails	No	Yes or No. Send an ofd notification email to the shipper
delmails	No	Yes or No. Send a delivery notification email to the shipper
bolmail	No	Yes or No. Email the BOL to the consignee
shipmailc	No	Yes or No. Send a shipment notification email to the consignee

Variable Name	Required	Contents
apptmailc	No	Yes or No. Send an appointment notification email to the consignee
ofdmailc	No	Yes or No. Send an ofd notification email to the consignee
delmailc	No	Yes or No. Send a delivery notification email to the consignee
email1	No	Extra email address 1
bolmail1	No	Yes or No. Email the BOL to extra email address 1
shipmail1	No	Yes or No. Send a shipment notification email to extra email address 1
apptmail1	No	Yes or No. Send an appointment notification email to extra email address 1
ofdmail1	No	Yes or No. Send an ofd notification email to extra email address 1
delmail1	No	Yes or No. Send a delivery notification email to extra email address 1
email2	No	Extra email address 2
bolmail2	No	Yes or No. Email the BOL to extra email address 2
shipmail2	No	Yes or No. Send a shipment notification email to extra email address 2
apptmail2	No	Yes or No. Send an appointment notification email to extra email address 2
ofdmail2	No	Yes or No. Send an ofd notification email to extra email address 2
delmail2	No	Yes or No. Send a delivery notification email to extra email address 2
pieces1	Yes	Pieces count for line 1
pallets1	No	Pallets count for line 1
hazmat1	No	Yes or No. Is line 1 hazardous
descr1	Yes	Description for line 1
weight1	Yes	Weight for line 1 in pounds
density1	No	Density for line 1 in pcf

Variable Name	Required	Contents
model1 or MFNC1 or modelno1	No	Model number for line 1
length1	No ¹	Length for line1 in inches
width1	No ¹	Width for line1 in inches
height1	No ¹	Height for line 1 in inches
packtype1 or HUType1	No	Packaging type for line 1
<i>Note: the pieces, pallets, hazmat, descr, weight, density, model, length, width, height and packytype fields can be repeated for lines 2 through 8</i>		
pucontact	Yes	Pickup Contact
puphone	No	Pickup contact phone number
pudate	No	Pickup Date
putime	No	Pickup Time (HHMM)
puemail	No	Pickup Contact email
closetime	Yes	Close Time (HHMM)
punotes	No	Pickup Notes
accessoriallist or ExtraSvcList ²	No	Comma separated list of accessorial codes to be included.
¹ Note: If one dimension is supplied for a line item, all three dimensions must be supplied		
² Note: extra services can also be specified by including the service code as a variable with as value of YES, or by including an ExtraSvc section in the xml. See the examples below		

Examples:

Variable	Value
UserName	testuser
Password	testpass
ConsID	AAA (note: must match a valid consignee record)
pieces1	1
weight1	350
descr1	Steel Parts
closetime	2100 (9:00 pm)

These variables can be arranged into an xml document as follows:

```

<bol>
  <UserName>testuser</UserName>
  <Password>testpass</Password>
  <ConsID>aaa</ConsID>
  <pieces1>1</pieces1>
  <weight1>350</weight1>
  <descr1>Steel Parts</descr1>

```



```
<class1>085</class1>  
<closetime>2100</closetime>  
</bol>
```

Note that the order of the variables within the XML document does not matter.

The HTTP request would be:

```
http://tracking.carrierlogistics.com/scripts/sft.pol/tbolentry4.xml?xmlreq=<bol><UserName>testuser</UserN  
ame><Password>testpass</Password><ConsID>AAA</ConsID><pieces1>1</pieces1><weight1>350</we  
ight1><descr1>Steel_Parts</descr1><closetime>2100</closetime></bol>
```

Or, the variables can be added to the URL as arguments:

```
http://tracking.carrierlogistics.com/scripts/sft.pol/tbolentry4.xml?xmlv=yes&UserName=testuser&Password=  
testpass&ConsID=AAA&pieces1=1&weight1=350&descr1=Steel_Parts&closetime=2100
```

Here is a more complex example:

Variable	Value
UserName	testuser
Password	testpass
shipname	CHM Industries
Shipaddr	1010 Florida Ave
Shipcity	Chicago
Shipst	IL
Shipzip	60067
shipphone	800-123-4567
Shipcont	Mike Jones
shipemail	mike@test.com
consname	AAA Manufacturing
Consaddr	100 Main Street
Conscity	Crystal Lake
Consst	IL
Conszip	60012
Conscont	Chris
conphone	800-222-3333

Variable	Value
consemail	chris@aaamanuf.com
Pono	PO1234
Billref	003700
Declval	400
Bolmails	yes
Delmails	Yes
Ofdmailc	yes
pieces1	1
pallets1	1
weight1	10
model1	0742216G
pieces2	1
pallets2	1
weight2	800
descr2	Engine block
accessoriallist	LIFT, INSIDE
pucontact	Sam Spade
Puphone	800-111-2222
Puemail	dock@test.com
Putime	1100
Closetime	2100

Note that a list of accessorial codes can be obtained by running the keywordlist function:

<http://tracking.carrierlogistics.com/scripts/sft.pol/keywordlist.xml>

The XML for the above list of variables would be:

```

<bol>
  <UserName>testuser</UserName>
  <Password>testpass</Password>
  <shipname>CHM Industries</shipname>
  <shipaddr>1010 Florida Ave</shipaddr>
  <shipcity>Chicago</shipcity>
  <shipst>IL</shipst>
  <shipzip>60067</shipzip>
  <shipphone>800-123-4567</shipphone>
  <shipcont>Mike Jones</shipcont>
  <shipemail>mike@test.com</shipemail>
  <consname>AAA Manufacturing</consname>
  <consaddr>100 Main Street</consaddr>

```



```
<conscity>Crystal Lake</conscity>
<const>IL</const>
<conszip>60012</conszip>
<conscont>Chris</conscont>
<consphone>800-222-3333</consphone>
<consemail>chris@aaamanuf.com</consemail>
<pono>PO1234</pono>
<billref>003700</billref>
<declval>400</declval>
<bolmails>yes</bolmails>
<delmails>Yes</delmails>
<ofdmailc>yes</ofdmailc>
<pieces1>1</pieces1>
<pallets1>1</pallets1>
<weight1>10</weight1>
<model1>0742216G</model1>
<pieces2>1</pieces2>
<weight2>800</weight2>
<descr2>Engine block</descr2>
<accessoriallist>LIFT,INSIDE</accessoriallist>
<pucontact>Sam Spade</pucontact>
<puphone>800-111-2222</puphone>
<puemail>dock@test.com</puemail>
<putime>1100</putime>
<closetime>2100</closetime>
</bol>
```

Note that there are alternative ways to submit the accessorial codes.

Instead of

```
<accessoriallist>LIFT,INSIDE</accessoriallist>
```

The XML could contain:

```
<LIFT>yes</LIFT>
<INSIDE>yes</INSIDE>
```



Or

```
<accessorials>
  <accessorial>LIFT</accessorial>
  <accessorial>INSIDE</accessorial>
</accessorials>
```

Or

```
<ExtraSvc>
  <ExtraSvcType>LIFT</ExtraSvcType>
  <ExtraSvcType>INSIDE</ExtraSvcType>
</ExtraSvc>
```

The URL for the above example would be:

```
http://tracking.carrierlogistics.com/scripts/sft.pol/tbolentry4.xml?xmlreq=<bol><UserName>testuser</UserName><Password>testpass</Password><shipname>CHM%20Industries</shipname><shipaddr>1010%20Florida%20Ave</shipaddr><shipcity>Chicago</shipcity><shipst>IL</shipst><shipzip>60067</shipzip><shipphone>800-123-4567</shipphone><shipcont>Mike%20Jones</shipcont><shipemail>mike@test.com</shipemail><consname>AAA%20Manufacturing</consname><consaddr>100%20Main%20Street</consaddr><conscity>Crystal%20Lake</conscity><consst>IL</consst><conszip>60012</conszip><conscont>Chris</conscont><consphone>800-222-3333</consphone><consemail>chris@aaamanuf.com</consemail><pono>PO1234</pono><billref>003700</billref><declval>400</declval><bolmails>yes</bolmails><delmails>Yes</delmails><ofdmailc>yes</ofdmailc><pieces1>1</pieces1><pallets1>1</pallets1><weight1>10</weight1><model1>0742216G</model1><pieces2>1</pieces2><weight2>800</weight2><descr2>Engine%20block</descr2><accessoriallist>LIFT,INSIDE</accessoriallist><pucontact>Sam%20Spade</pucontact><puphone>800-111-2222</puphone><puemail>dock@test.com</puemail><putime>1100</putime><closetime>2100</closetime></bol>
```

Responses:

Responses will be in XML format. There are two possible response types, a successful response and a failure response.

The success response will contain some of the shipment details as well as links to the bill of lading and shipping labels for the shipment.


```

        <lineno>3</lineno>
        <pieces>0</pieces>
        <weight>0</weight>
        <class></class>
        <description>VentingSystem, 1100 Co</description>
        <keyword></keyword>
    </bolline>
    <bollink>http://tracking.carrierlogistics.com/scripts/sft.pol/bolentry3.pdf?pronumb=0x000000000000
    0000</bollink>
    <labellink>http://tracking.carrierlogistics.com/scripts/sft.pol/shiplabelsm.pdf?pronumb=0x00000000
    00000000</labellink>
        <quotetotal>115.00</quotetotal>
        <quotenumber>1082603</quotenumber>
        <quoteversion>tbolentry4-20110330</quoteversion>
        <quotedatetime>11/10/2011 12:16:15.095-05:00</quotedatetime>
    </bol>
</response>

```

The failure response will contain one or more error messages explaining why the shipment request could not be processed.

For example:

```

<response>
    <responsetype>BOL and Pickup Entry</responsetype>
    <success>No</success>
    <errors>
        <errormessage>Invalid Username/Password</errormessage>
    </errors>
</response>

```

XML Tracking and Tracing Requests

This document details how to integrate to SHIFT so you are able to retrieve tracking and tracing updates via XML requests.

General links for tracking:

- For non-logged-in tracking: <main url>/facts.htm
- For a login page: <main url>/web-login.htm

*Note that there is a login again on the tracking page.

To view CLI's demo tracking site, visit: <http://tracking.carrierlogistics.com/scripts/demo.poll/facts>.

To embed a login in a static html page, here is some example html that can be added:

```
<!-- begin example code -->
  <form method="post" action="<main url>/web-login.htm">
  <table>
  <tr>
    <th align="right">User Name:</th>
    <td align="left"><input name="wlogin" /></td>
  </tr>
  <tr>
    <th align="right">Password:</th>
    <td align="left"><input name="wpword" type="password" /></td>
  </tr>
  </table>
  <input type="submit" value="Log In">
  </form>
<!-- end example code -->
```

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To embed a non-logged-in probill trace in a static html page, here is some example code:

```
<!-- begin example code -->
  <form method="post" action="<main url>/facts.htm">
    <input type="hidden" name="startpage" value="protrace.htm" />
    <table>
      <tr>
        <th align="right">Pronumber:</th>
        <td align="left"><input name="pronum" /></td>
      </tr>
    </table>
    <input type="submit" value="Pro Trace">
  </form>
<!-- end example code -->
```

To link directly to a Pro Trace screen for a known Pro Number, you can also use this URL:

```
<main url>/facts.htm?startpage=protrace&pronum=<pronumber>
```