



Diamond Line Delivery System, Inc. API Documentation

This help documents contains all documentation necessary to set up the API capabilities listed in the table of contents. IAM code is generally "D" for debtor. Web credentials can be requested from the URL below:

<https://tracking.carrierlogistics.com/scripts/dlds.pol/newacct1.htm?seskey=&language=&nav=top>

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Production URL: <https://tracking.carrierlogistics.com/scripts/dlds.pol/>

Test URL: <https://tracking.carrierlogistics.com/scripts/dlds-test.pol/>

XML Bill of Lading Request

This document specifies how to call the XML HTTP POST method of generating automated bills of lading and pickup requests via XML. This is useful for allowing your customers to create bills of lading and pickup requests online via your website. **If pre-assigned pro are required, they can be requested from r.cary@dlds.com.**

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`.

NOTE: DLDS strongly recommends that you use a POST rather than a GET function.

For example:

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

The list of variables is as follows:

Variable Name	Required	Contents
shipcont	No – will default to your location	Shipper Contact
shipphone	No – will default to your location	Shipper Phone
shipemail	No – will default to your location	Shipper Email
ConsID or consaddrno	No	Consignee Address No
consname	Required if consignee ID not provided	Consignee Name
consaddr	Required if consignee ID not provided	Consignee Address
consaddr2	No	Consignee Address 2
conscty	Required if consignee ID not provided	Consignee City

consst	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
conssecphone	No	Consignee Second Phone
consemail	No	Consignee Email
bolno	No	Bill of Lading Number
pono	No	Purchase Order Number
billref	No	Debtor Account Number
refno1, refno2, etc.	No	Reference Number
refnotype1, refnotype2, etc.	No	Reference Number Type
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
bolmailc	No	Yes or No. Email the BOL to the consignee
shipmailc	No	Yes or No. Send a shipment notification email to the consignee
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

Examples:

Consider the following simple example:

Variable	Value
UserName	testuser
Password	testpass
ConsID	AAA (note: must match a valid consignee record)
pieces1	1

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/[DLDS].pol/tbolentry4.xml?xmlreq=<bol><UserName>testuser</UserName><Password>testpass</Password><ConsID>AAA</ConsID><pieces1>1</pieces1><weight1>350</weight1><descr1>Steel_Parts</descr1><closetime>2100</closetime></bol>
```

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

[http://tracking.carrierlogistics.com/scripts/\[DLDS\].pol/tbolentry4.xml?xmlv=yes&UserName=testuser&Password=testpass&ConsID=AAA&pieces1=1&weight1=350&descr1=Steel Parts&closetime=2100](http://tracking.carrierlogistics.com/scripts/[DLDS].pol/tbolentry4.xml?xmlv=yes&UserName=testuser&Password=testpass&ConsID=AAA&pieces1=1&weight1=350&descr1=Steel Parts&closetime=2100)

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
consemail	chris@aaamanuf.com
Pono	PO1234
Billref	003700
Declval	400
Bolmails	yes
Delmails	Yes
Ofdmailc	yes
pieces1	1
pallets1	1
weight1	10
pieces2	1
pallets2	1
weight2	800
descr2	Engine block
accessoriallist	LIFDEL, INSDEL
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/dlds.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>
  <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>
  <pieces2>1</pieces2>
  <weight2>800</weight2>
  <descr2>Engine block</descr2>
  <accessoriallist>LIFDEL,INSDEL</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>LIFDEL,INSDEL</accessoriallist>
```

The XML could contain:

```
<LLIFDEL>yes</LIFDEL>
<INSDEL>yes</INDEL>
Or
```

```
<accessorials>
  <accessorial>LIFDEL</accessorial>
  <accessorial>INSDEL</accessorial>
</accessorials>
Or
```

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

The URL for the above example would be:

```
http://tracking.carrierlogistics.com/scripts/[DLDS].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><ofdmail>yes</ofdmail><pieces1>1</pieces1><pallets1>1</pallets1><weight1>10</weight1><pieces2>1</pieces2><weight2>800</weight2><descr2>Engine%20block</descr2><accessoriallist>LIFDEL,INSDEL</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. For example:

```
<response>
  <responsetype>BOL and Pickup Entry</responsetype>
  <success>Yes</success>
  <bol>
    <pronumber>1082603</pronumber>
    <trackingnumber>1082603</trackingnumber>
    <referencenumber>CLITEST</referencenumber>
    <shippername>CLI TEST ONLY</shippername>
    <shipperaddress>123 TEST STREET</shipperaddress>
    <shippercity>Brooklyn</shippercity>
    <shipperstate>NY</shipperstate>
    <shipperzip>11232</shipperzip>
    <consigneeaddress>1835 Test St</consigneeaddress>
    <consigneeaddress>1835 Test St</consigneeaddress>
    <consigneecity>San Diego</consigneecity>
    <consigneestate>CA</consigneestate>
    <consigneezip>92114</consigneezip>
    <debtor>CARRIER LOGISTICS</debtor>
    <ponumber></ponumber>
    <servicetypecode>S</servicetypecode>
    <servicetypedesc>NORMAL SERVICE</servicetypedesc>
    <bolline>
      <lineno>1</lineno>
      <pieces>1</pieces>
      <weight>60</weight>
      <class>sml</class>
      <description>[SMH9187W] 1.8 cu. ft. Over-the-rod</description>
      <keyword></keyword>
    </bolline>
    <!-- Additional bolline elements -->
```

<bollink>http://tracking.carrierlogistics.com/scripts/[DLDS].pol/bolentry3.pdf?pronumb=0x0000000000000000</bollink>

<labellink>http://tracking.carrierlogistics.com/scripts/[DLDS].pol/shiplabelsm.pdf?pronumb=0x0000000000000000</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 Rate Quotes

This document deals with obtaining automated rate quotes via XML. To utilize the http ratequote API, you need to submit an http request with a URL constructed as follows:

```
[https://tracking.carrierlogistics.com/scripts/dlds.pol/] /ratequote.xml?xmlv=yes&xmluser=USERID&xmypass=PASSWORD&vozzip=90210&vdzip=11598&wpieces[1]=10&wpallets[1]=1&wweight[1]=1320&vclass[1]=92.5&RESDEL=Yes
```

Note: If you are a SAAS customer, construct the URL as follows

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

USERNAME needs to be the user-id that your company would use to log into the FACTS Web interface. The user-id in the above example is "USERID."

PASSWORD needs to be the password that company would use 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"

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

vozzip = 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:

- 1) shipdate = Shipment date in MM/DD/YYYY format
- 2) codamt = COD amount of the shipment (dollar amount)
- 3) declval = The declared value of the shipment (dollar amount)

4) vbterms = Payment terms ("P" = prepaid, "C" = collect). Defaults to prepaid if nothing is sent.

5) If you add the field "quotenumber" with a value of "yes", you will receive a Quote Number.

6) 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 ([]).

Dimensional information for each line item (as with pieces, pallets, and weight):

i. wlength[1] = the length of the shipment on line "1"

ii. wwidth[1] = the width of the shipment on line "1"

iii. wheight[1] = the height of the shipment on line "1"

Accessorials. 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/dlds.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 Shipment Alerts

This document deals with how customers can utilize the XML method of requesting shipment alerts. This methodology is also known as a “Web service” or an “API” (application programming interface).

To utilize the http shipment alert API, you need to submit an http request with a URL constructed as follows (replacing the example URL with your FACTS URL):

```
https://facts.dlds.com/scripts/cgiip.exe/xmlproalert.xml?pros=10003106,10003107&types=OFD,POD&email=cmorgan@carrierlogistics.com&xmluser=testuser&xmlpass=testpass
```

The program name is *xmlproalert.xml*. It takes five parameters:

pros = a list of pronumbers

types = a list of alert types. Allowed types are: SHIP,APPT,OFD,POD

email = a list of email addresses

xmluser = the user name

xmlpass = the password

Here is a sample response:

```
<?xml version="1.0" standalone="yes" ?>
<response>
  <responsetype>Proalert Entry</responsetype>
  <success>Yes</success>
  <proalerts>
    <proalert>
      <pronumber>3106</pronumber>
      <alerttype>OFD</alerttype>
      <emailto>cmorgan@carrierlogistics.com</emailto>
    </proalert>
    <proalert>
      <pronumber>3106</pronumber>
      <alerttype>POD</alerttype>
      <emailto>cmorgan@carrierlogistics.com</emailto>
    </proalert>
    <proalert>
      <pronumber>3107</pronumber>
      <alerttype>OFD</alerttype>
      <emailto>cmorgan@carrierlogistics.com</emailto>
    </proalert>
  </proalerts>
</response>
```

```
<proalert>
  <pronumber>3107</pronumber>
  <alerttype>POD</alerttype>
  <emailto>cmorgan@carrierlogistics.com</emailto>
</proalert>
</proalerts>
</response>
```

XML Tracking Links

This document deals with constructing URLs that link directly to a DLDS tracing screen as well as a link to view the available document images based on various search criteria.

To use this function, customer must have a Web login. Web logins are created in Web Browser Login [brows.maint].

See Help Documentation under Direct Tracking URLs for information on setting up URL's without the document image link.

For your customers to link directly to a tracing screen for a known shipment number, they can use this URL, replacing "12345" with the shipment number they are looking for, replacing "username" with their web login, and replacing "password" with their web login password.

<https://tracking.carrierlogistics.com/scripts/DLDS.pol/protracexml.htm?xmluser=username&xmlpass=password&pronum=12345>

Note: If you are a SAAS customer, construct the URL as follows replacing "12345" with the shipment number they are looking for, replacing "username" with their web login, and replacing "password" with their web login password.

<https://tracking.carrierlogistics.com/scripts/DLDS.pol/protracexml.htm?xmluser=username&xmlpass=password&pronum=12345>

Following are samples of what the customer will receive, which includes the link to the available document images:


```
<protrace>
<pronumb>          </pronumb>
<trn>00</trn>
<billno>           </billno>
<pono>SYLMAR</pono>
<shipdate>03/07/2019</shipdate>
<shipdateiso>2019-03-07</shipdateiso>
<shipper>          </shipper>
<shipaddr>                /shipaddr>
<origcity>Maryland Heights</origcity>
<origstate>MO</origstate>
<origterm>ORD</origterm>
<consignee>                </consignee>
<consaddr>                </consaddr>
<destcity>Sylmar</destcity>
<deststate>CA</deststate>
<destterm>LAX</destterm>
<pallets>2</pallets>
<pieces>41</pieces>
<weight>680</weight>
<prodelivered>No</prodelivered>
<deldate/>
<delttime/>
<delstatus/>
<estdeliverydate/>
<estdeliverydateiso/>
<estdeliverytimestart/>
<estdeliverytimeend/>
<bollink>
```

Document was last saved: Just

<http://tracking.carrierlogistics.com/facts/scripts/dlds.pol/bolentry3.pdf?pronumb=0x00000000>

```
<protrace>
  <bollink />
  <labellink>
    http://tracking.carrierlogistics.com/facts/scripts/dlds.pol/shiplabelsm.pdf?pronumb=0x00000000
  </labellink>
  <receivedby />
  <status>LAST @ LOS ANGELES</status>
  <shiplists />
  <images>
    <image>
      <imagetypecode>B</imagetypecode>
      <imagetypedesc>Bill of Lading</imagetypedesc>
      <imageurl>
        http://example.com/cliencodeweb/ConvertFile.aspx?docID=wly5GIWJ0T9fVFYNZwAg%Ag%3d%3d&ps=1
      </imageurl>
    </image>
  </images>
</protrace>
```

XML Transit Times

This document deals with obtaining automated transit times via XML. To utilize the http transit time API, you need to submit an http request with a URL constructed as follows:

<http://tracking.carrierlogistics.com/scripts/dlds.pol/xtransittime.xml?shipzip=60102&conszip=33764&pudate=11/08/13>

The argument names in the URL are:

shipzip = Shipper Zip/Postal Code

conszip = Consignee Zip/Postal Code

pudate = Pickup Date (if no pudate argument is specified, then the current date will be used)