United States Postal Service®
Web Tool Kit User's Guide

A Technical Guide to

International Rates Calculator

Application Programming Interface

Before implementing this API, the *Administrative Guide for Application Programming Interfaces* must be read.

Version 3.1 (1/6/01)

To Our Customers

In the e-mail that accompanied this guide you received a password and user ID that will allow you to begin sending calls to the "test server" when you are ready. Any additional documentation or contact with you will be made through the contact person indicated on the registration form.

If you require technical support, contact the USPS Internet Customer Care Center (ICCC). This office is manned from 7:00AM to 11:00PM EST.

E-mail: icustomercare@usps.com

Telephone: 1-800-344-7779 (7:00AM to 11:00PM EST)

USPS Customer Commitment

The United States Postal Service fully understands the importance of providing information and service anytime day or night to your Internet and e-commerce customers. For that reason, the USPS is committed to providing 7 x 24 service from our API servers, 365 days a year.

Thank you for helping the U.S. Postal Service provide new Internet services to our shipping customers.

Internet Shipping Solutions Team
U.S. Postal Service
475 L'Enfant Plaza, SW
Washington, DC 20260-2464

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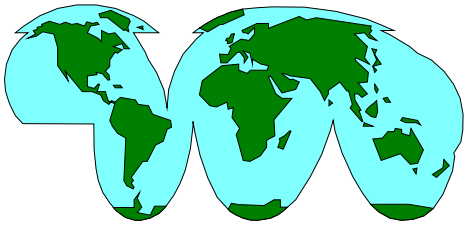
Introduction to the International Rates Calculator API

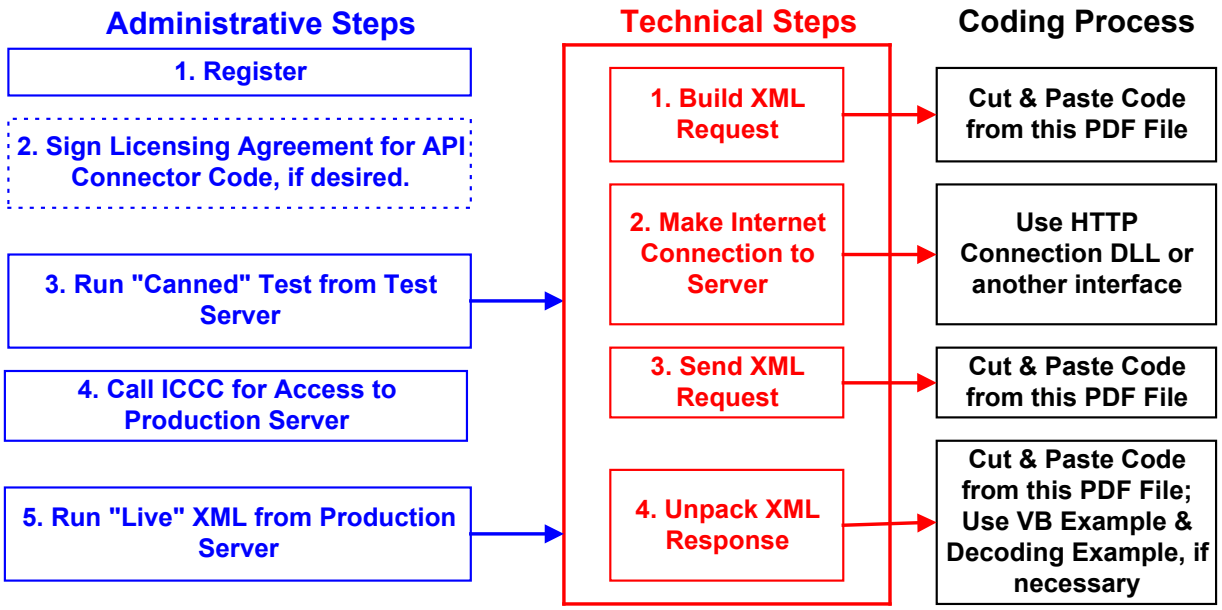


The International Rates API provides automated online access to international rate information for Global Express Guaranteed™ (GXG), Global Priority Mail®, Global Express Mail™, Airmail (including both letter-post and Parcel Post), and Economy mail (including both letter-post and Parcel Post™), along with service standards for each class of service.

Note to Developers: USPS shipping rates cannot be misrepresented on web sites as "Handling Charges." USPS rates can, however, be included in total "Shipping and Handling Charges." The intent is to not mislead consumers by disguising handling charges as USPS shipping charges.

Requests for shipping rates will be processed for up to 25 packages per request. Unlike the domestic rate engine, this international engine will provide all available services based on the package description provided during input. (Refer to the table in the *"Live" Request* section for values allowed.) You can either provide all possible options or you can strip out any unnecessary options. ***Ensure that the end-users understand that, in many cases, international packages may need a Customs Declaration form, and may also be subject to mailing restrictions unique to the destination country.*** To assist you with this important information, the International Rate Calculator API will return all the necessary mailing restrictions, prohibitions, observations, names of required customs declaration forms, and Global Express Mail® delivery areas. These international requirements can also be found at http://pe.usps.gov (select the International Country Index). See your local Post Office for actual Customs Declarations.

As shown below, implementing USPS Shipping APIs requires a series of *Administrative Steps*. The *Administrative Guide for APIs*, also available at www.uspswebtools.com, provides necessary information and procedures prior to installation. The illustration also shows the



Technical Steps required to run XML transactions for the International Rates Calculator API to either the test server or the production server, as well as the *Coding Process* to be followed for each *Technical Step*. This document provides step-by-step instructions for both the Technical Steps and Coding Process illustrated below. As each step is presented throughout this guide, appropriate portions of the illustration below will be repeated as a reference point in the implementation process.

Implementing these APIs requires experienced programmers who are familiar with Internet and web site development tools and techniques. **Before implementing this API, the *Administrative Guide for Application Programming Interfaces* must be read.**

User ID and Password Restrictions

The user ID and password that you have received is for you or your company to use in accordance with the Terms and Conditions of Use to which you agreed during the registration process. *This user ID and password is not to be shared with others outside your organization, nor is it to be packaged, distributed, or sold to any other person or entity.* Please refer to the Terms and Conditions of Use Agreement for additional restrictions on the use of your user ID and password, as well as this document and the APIs contained herein.

Warning: If the U.S. Postal Service discovers use of the same user ID and password from more than one web site, all users will be subject to immediate loss of access to the USPS server and termination of the licenses granted under the Terms and Conditions of Use.

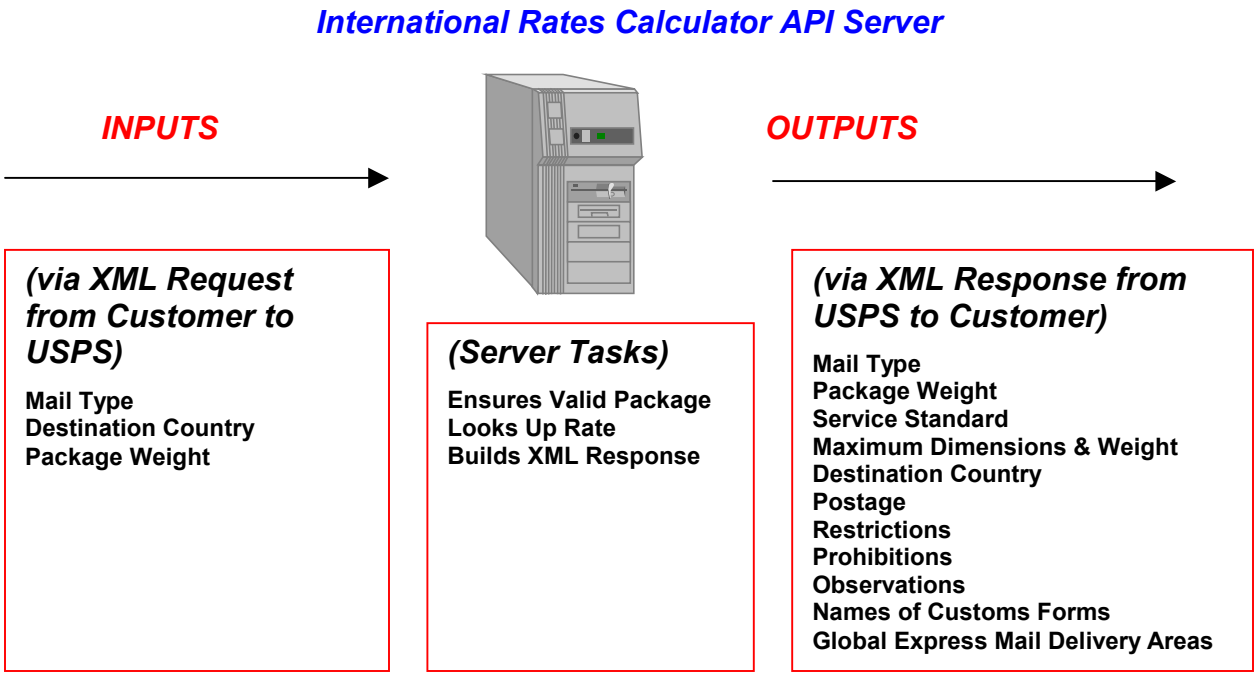
The documentation and sample code contained in the *Web Tool Kit User Guide* series may be reused and/or distributed to your customers or affiliates to generate awareness, encourage web tool use, or provide ease-of-use. However, it is your responsibility to ensure that your customers do not use your password and user ID. Direct them to www.uspswebtools.com so that they can register, agree to the Terms and Conditions of Use agreement, and receive their own unique password and user ID.

Note to Software Distributors: The User ID and password restrictions discussed above are intended for e-tailers that use the USPS Web Tools exclusively within their own web sites. If you plan to distribute software with the USPS Web Tools embedded, you must refer to the "Software Developers' Terms and Conditions of Use" available at www.uspswebtools.com.

For more information regarding the USPS Web Tool Kit password and user ID policy, or for questions regarding the distribution of documentation, send e-mail to icustomercare@usps.com.

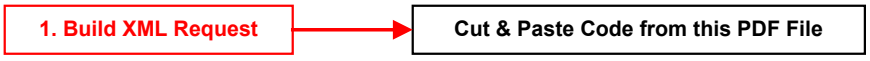
Installation

The illustration below shows the transactional flow of information to and from the USPS International Rates Calculator API server.



Technical Steps

Step 1: Build the XML Request



"Canned" Test Requests

For testing purposes, the only values in the test code in this section that you should change are the "USERID," "PASSWORD," and "SERVERNAME." Enter the user ID, password, and server name you received in the registration e-mail for testing. Your user ID and password never change, but the server name will change later when you send "live" requests. The "live" server name will be provided when the ICCC provides you with access to the production server. ***All remaining code in the test scripts provided below must remain unchanged.***

All of the test script code contained in this document can be cut and pasted for your use in testing the software. To copy the test script code from this PDF file, click on the icon for "Text Selector" and highlight the code. (The icon will look like

or

depending on your version of Adobe Acrobat.) You can then copy the code and paste it into your test document.

Valid Test Requests

There are two valid requests included in this procedure. Be sure to note the request numbers so you can match up the responses you will receive as provided in the *"Canned" Test Responses* section.

Valid Test Request #1

```
http://SERVERNAME/ShippingAPITest.dll?API=IntlRate&XML=<IntlRateRequest
USERID="xxxxxxxx" PASSWORD="xxxxxxxx">< Package
ID="0"><Pounds>2</Pounds><Ounces>0</Ounces><MailType>Package</MailType><Count
ry>Albania</Country></Package></IntlRateRequest>
```

Valid Test Request #2

```
http://SERVERNAME/ShippingAPITest.dll?API=IntlRate&XML=<IntlRateRequest
USERID="xxxxxxxx" PASSWORD="xxxxxxxx">< Package
ID="0"><Pounds>0</Pounds><Ounces>1</Ounces><MailType>Postcards or
Aerogrammes</MailType><Country>Algeria</Country></Package></IntlRateRequest>
```

Pre-Defined Error Requests

There are five pre-defined errors included for this procedure. Be sure to note the request numbers so you can match up the responses you will receive as provided in the *"Canned" Test Responses* section.

Pre-defined Error Request #1: *"Invalid Weight for Pounds"*

The pre-defined error in this request is using non- numeric input for `<Pounds>`.

```
http://SERVERNAME/ShippingAPITest.dll?API=IntlRate&XML=<IntlRateRequest
USERID="xxxxxxxx" PASSWORD="xxxxxxxx">< Package
ID="0"><Pounds>two</Pounds><Ounces>0</Ounces><MailType>Package</MailType><Cou
ntry>Albania</Country></Package></IntlRateRequest>
```

Pre-defined Error Request #2: *"Invalid Weight for Ounces"*

The pre-defined error in this request is using non- numeric input for `<Ounces>`.

```
http://SERVERNAME/ShippingAPITest.dll?API=IntlRate&XML=<IntlRateRequest
USERID="xxxxxxxx" PASSWORD="xxxxxxxx">< Package
ID="0"><Pounds>2</Pounds><Ounces>zero</Ounces><MailType>Package</MailType><Co
untry>Albania</Country></Package></IntlRateRequest>
```

Pre-defined Error Request #3: *"No Weight Entered"*

The pre-defined error in this request is leaving the inputs for both <Pounds> and <Ounces> empty.

```
http://SERVERNAME/ShippingAPITest.dll?API=IntlRate&XML=<IntlRateRequest
USERID="xxxxxxxx" PASSWORD="xxxxxxxx"><Package
ID="0"><Pounds>0</Pounds><Ounces>0</Ounces><MailType>Package</MailType><Count
ry>Albania</Country></Package></IntlRateRequest>
```

Pre-defined Error Request #4: *"Invalid Mail Type"*

The pre-defined error in this request is using input other than: "package," "postcards or aerogrammes," "matter for the blind," or "envelope" for <MailType>.

```
http://SERVERNAME/ShippingAPITest.dll?API=IntlRate&XML=<IntlRateRequest
USERID="xxxxxxxx" PASSWORD="xxxxxxxx">< Package
ID="0"><Pounds>2</Pounds><Ounces>2</Ounces><MailType>Express</MailType><Count
ry>Albania</Country></Package></IntlRateRequest>
```

Pre-defined Error Request #5: *"Invalid Country"*

The pre-defined error in this request is using invalid input for <Country>. (This error was created for *testing purposes only*.)

```
http://SERVERNAME/ShippingAPITest.dll?API=IntlRate&XML=<IntlRateRequest
USERID="xxxxxxxx" PASSWORD="xxxxxxxx"><Package
ID="0"><Pounds>2</Pounds><Ounces>2</Ounces><MailType>Package</MailType><Count
ry>Alabama</Country></Package></IntlRateRequest>
```

"Live" Request

Refer to the *"Canned" Test Requests* section above for instructions on how to cut and paste the sample code from this PDF file.

Remember that you are provided with a different server name to send "live" requests.

When building the XML request, pay particular attention to the ***order and case*** for tags.

The table below presents the ***required*** XML input tags for generating "Live" requests and the restrictions on the values allowed. An error message will be returned if the tag does not contain a value or if an incorrect value is entered. Also, be aware of the maximum character amounts allowed for some tags. If the user enters more than those amounts, an error will not be generated. ***The API will simply pass in the characters up to the maximum amount allowed and disregard the rest.*** This is important since the resulting value could prevent delivery.

Developers: For sample code utilizing Perl and ASP, refer to the *Domestic Rate Calculator API* or *Track/Confirm API* technical guides.

Input	XML Tag	Values Allowed
Type of Request	<IntlRateRequest…	Input tag exactly as presented.
User ID	…USERID="userid"…	Use user ID provided with registration.
Password	…PASSWORD="password">	Use password provided with registration.
Package ID Number	<Package ID="#">	No restriction on number or type of characters.
Weight of package (pounds)	<Pounds>	Value must be numeric. Package weight cannot exceed 70 pounds. Refer to Domestic Mail Manual C050.4 for weight requirements. The manual can be found at the Postal Explorer web site at http://pe.usps.gov.
Weight of package (ounces)	<Ounces>	Value must be numeric. Package weight cannot exceed 70 pounds. Refer to Domestic Mail Manual C050.4 for weight requirements. The manual can be found at the Postal Explorer web site at http://pe.usps.gov.
Type of Mail	<MailType>	The following are valid international mail types: "package" "postcards or aerogrammes" "matter for the blind" "envelope"
Destination Country	<Country>	Entries must be from the USPS list of valid countries. To access list go to www.USPSWebTools.com.

The "Live" XML request should be in the form:

```
http://SERVERNAME/ShippingAPITest.dll?API=IntlRate&XML=<IntlRateRequest
USERID="xxxxxxxx" PASSWORD="xxxxxxxx">
      <Package ID="0">
            <Pounds>2</Pounds>
            <Ounces>0</Ounces>
            <MailType>Package</MailType>
            <Country>Albania</Country>
      </Package>
</IntlRateRequest>
```

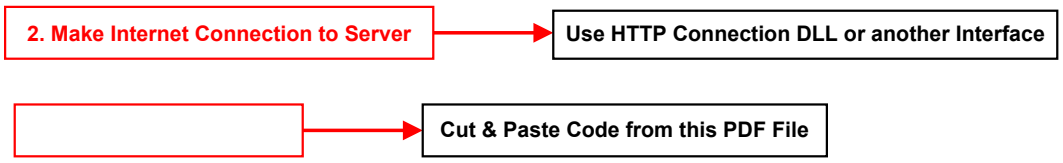
Visual Basic Request

Using the Microsoft® XML object model in Visual Basic®, such a request can be built as shown below. In this code sample, the data needed to build the XML is obtained from a form. The ServiceType element is obtained from an option button control and the ImageType is from a combo box control. All other fields are obtained from text box controls.

```
Dim xmlDoc As New DOMDocument
Dim RequestLevel As IXMLDOMElement
Dim RateLevel As IXMLDOMElement
Dim RateElementLevel As IXMLDOMElement
Dim t As Variant
Dim i As Integer

    Set RequestLevel = xmlDoc.createElement("IntlRateRequest")
    RequestLevel.setAttribute "USERID", "xxxxxxx"
    RequestLevel.setAttribute "PASSWORD", "xxxxxxxx"

    For i = 0 To ?
```

```
Set RateLevel = xmlDoc.createElement("Package")
RateLevel.setAttribute "ID", i

Set RateElementLevel = xmlDoc.createElement("Pounds")
Set t = xmlDoc.createTextNode(txtIntlPounds.Text)
RateElementLevel.appendChild (t)
Call RateLevel.appendChild(RateElementLevel)

Set RateElementLevel = xmlDoc.createElement("Ounces")
Set t = xmlDoc.createTextNode(txtIntlOunces.Text)
RateElementLevel.appendChild (t)
Call RateLevel.appendChild(RateElementLevel)

Set RateElementLevel = xmlDoc.createElement("MailType")
Set t = xmlDoc.createTextNode(cmbIntlPackage.Text)
RateElementLevel.appendChild (t)
Call RateLevel.appendChild(RateElementLevel)

Set RateElementLevel = xmlDoc.createElement("Country")
Set t = xmlDoc.createTextNode(cmbCountry.Text)
RateElementLevel.appendChild (t)
Call RateLevel.appendChild(RateElementLevel)

Call RequestLevel.appendChild(RateLevel)

Next i

Call xmlDoc.appendChild(RequestLevel)
```

Steps 2 & 3: Make the Internet Connection and Send the XML Request



These two steps are presented together to simplify things. The two steps actually involve four separate functions:

1. Making the connection to the USPS Shipping API server (test server or production server)
2. Sending the request (whether Visual Basic, Perl, ASP, or any other language)
3. Receiving the response from the API server
4. Closing the Internet connection

These steps are identical for sending *"Canned"* test requests or *"Live"* requests. ***Remember, however, that you are provided with a different server name to send "live" requests.***

This section provides two samples to make the Internet connection. This is not an all-inclusive list. It simply represents the most common and easiest ways to make the Internet connection.

- Using the USPS-supplied HTTP Connection DLL

  The HTTP Connection DLL is recommended for NT systems. This software, created specifically for the USPS API implementation, provides e-tailers with a thread-safe sockets interface to submit XML requests and receive XML responses from the API server.

- Using Microsoft®'s WinInet

  Although you can use the WinInet DLL to make the connection to the API server, it is not recommended for server applications due to limitations in the DLL. It is recommended that you either use the USPS-supplied HTTP Connection DLL or write your own sockets interface that can be used to make multiple connections and will remain thread-safe.

Using HTTP Connection DLL

To obtain this code you must submit a Licensing Agreement. See the *Administrative Guide for APIs* for this agreement.

Using WinInet

This sample code shows how to use Microsoft®'s WinInet DLL to make the Internet connection, using either the "GET" or "POST" (necessary for requests over 2K in size) methods. XMLSTRING represents the URL-encoded XML request and SERVERNAME indicates the name of the USPS web site to which you are connecting.

For *"Canned"* test requests the code should read:

```
File = "/ShippingAPItest.dll?"
```

For *"Live"* requests the code should read:

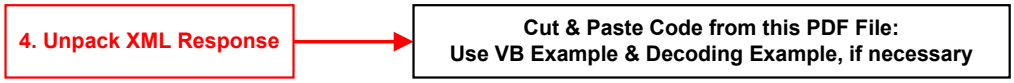
```
File = "/ShippingAPI.dll?"
```

Input:

```
Dim hOpen As Long, hConnection As Long, hFile As Long, numread As Long
Dim File As String, xml As String, sHeader As String, htmlFile As String, tmp
As String * 2048
Dim bDoLoop As Boolean

File = "/ShippingAPI.dll?"
xml = "API=IntlRate&XML=" & XMLSTRING

hOpen = InternetOpen("", 1, vbNullString, vbNullString, 0)

hConnection = InternetConnect(hOpen, SERVERNAME, 0, _
        "", "", 3, 0, 0)

''''''''''''''''''''''''
'get
```

```
'File = File & xml
'hFile = HttpOpenRequest(hConnection, "GET", File, "HTTP/1.0", vbNullString,
0, 0, 0)
'OR
''''''''''''''''''''''

''''''''''''''''''''''
' post
hFile = HttpOpenRequest(hConnection, "POST", File, "HTTP/1.0", vbNullString,
0, 0, 0)

sHeader = "Content-Type: application/x-www-form-urlencoded" _
                      & vbCrLf

Call HttpAddRequestHeaders(hFile, _
              sHeader, Len(sHeader), 0)
''''''''''''''''''''''

bDoLoop = HttpSendRequest(hFile, vbNullString, 0, xml, Len(xml))

bDoLoop = True
    While bDoLoop
        tmp = vbNullString
        bDoLoop = InternetReadFile(hFile, tmp, Len(tmp), numread)
        If Not bDoLoop Then
            Exit Sub
        Else
            htmlFile = htmlFile & Left$(tmp, numread)
            If Not CBool(numread) Then bDoLoop = False
        End If
    Wend

If hFile <> 0 Then InternetCloseHandle (hFile)
If hConnection <> 0 Then InternetCloseHandle (hConnection)
If hOpen <> 0 Then InternetCloseHandle (hOpen)
```

Step 4: Unpack the XML Response



This step is identical for unpacking *"Canned"* test responses or *"Live"* responses.

Types of Responses

When the USPS Shipping API returns a response, it will either return a successful response document or an error document. Anytime you receive a response, you should check to see if the document is `<Error>`. Refer to the *Errors* section.

Using Visual Basic

Using the Microsoft® XML object model in Visual Basic®, such responses can be unpacked as follows:

```
Dim xmlDoc As New DOMDocument
Dim nodeList As IXMLDOMNodeList
Dim n As IXMLDOMNode, e As IXMLDOMNode, s As IXMLDOMNode
Dim i As Integer, j As Integer, k As Integer, l As Integer
Dim strname As String

Open "Test.txt" For Output As #1

xmlDoc.validateOnParse = False
xmlDoc.loadXML (xmlstr) 'Response
Set nodeList = xmlDoc.getElementsByTagName("Error")
    If nodeList.length > 0 Then  'Top-level Error
    Call ParseError(nodeList.Item(0))
Else  'no Top-level Error
    Set nodeList = xmlDoc.getElementsByTagName("Package")
    For i = 0 To nodeList.length - 1
       Set n = nodeList.Item(i)
       For j = 0 To n.childNodes.length - 1
            Set e = n.childNodes.Item(j)
        Select Case e.nodeName
        Case "Prohibitions"
            Write #1, e.firstChild.nodeValue
        Case "Restrictions"
            Write #1, e.firstChild.nodeValue
        Case "Observations"
            Write #1, e.firstChild.nodeValue
        Case "CustomsForms"
            Write #1, e.firstChild.nodeValue
        Case "ExpressMail"
            Write #1, e.firstChild.nodeValue
        Case "AreasServed"
            Write #1, e.firstChild.nodeValue
        Case "Service"
            Call ParseService(e)
        Case "Error"
            Call ParseError(e)
        End Select


      Next j
    Next i
End If

Close #1

End Sub

Private Sub ParseService(ochild As IXMLDOMNode)
Dim s As IXMLDOMNode
For l = 0 To ochild.childNodes.length - 1
Set s = ochild.childNodes.Item(l)
```

```
     Select Case s.nodeName
        Case "Pounds"
              Write #1, s.firstChild.nodeValue
        Case "Ounces"
              Write #1, s.firstChild.nodeValue
        Case "MailType"
              Write #1, s.firstChild.nodeValue
        Case "Country"
              Write #1, s.firstChild.nodeValue
        Case "Postage"
              Write #1, s.firstChild.nodeValue
        Case "SvcCommitments"
              Write #1, s.firstChild.nodeValue
        Case "SvcDescription"
              Write #1, s.firstChild.nodeValue
        Case "MaxDimensions"
              Write #1, s.firstChild.nodeValue
        Case "MaxWeight"
              Write #1, s.firstChild.nodeValue
     End Select
Next l
End Sub


Private Sub ParseError(ochild As IXMLDOMNode)

Dim t As IXMLDOMNode

    For i = 0 To ochild.childNodes.length - 1
        Set t = ochild.childNodes.Item(i)
        Select Case t.nodeName
        Case "Source"
        Case "Number"
        Case "Description"
                Write #1, t.firstChild.nodeValue
        Case "HelpFile"
        Case "HelpContext"
        End Select
    Next i
End Sub
```

Errors

Error conditions are handled at the main XML document level. For APIs that can handle multiple transactions, the error conditions for requests for multiple responses to be returned together are handled at the response level. For example: an API developer sends a request for rates for two packages. If the addresses are non-existent, an "Error document" is returned to the user. On the other hand, if the address for the first package is acceptable but not the second, the response document contains the information for the first address, but under the XML tag for the second address there is an error tag.

Error documents follow the Visual Basic® error standards and have following format:

```
<Error>
      <Number></Number>
      <Source></Source>
```

```
      <Description></Description>
      <HelpFile></HelpFile>
      <HelpContext></HelpContext>
</Error>
```

where:

- Number = the error number generated by the API server
- Source = the component and interface that generated the error on the API server
- Description = the error description
- HelpFile = [reserved]
- HelpContext = [reserved]

Errors that are further down in the hierarchy also follow the above format.

Some web items allow you to submit multiple requests within a single XML document. For instance, you may request multiple rate quotes, where each rate quote is identified by an "ID" attribute. Within a given package, an `<Error>` may be returned. For multiple request documents, you need to check if there is an `<Error>` within a given `<Package>`, `<Address>`, etc.

```
<IntlRateResponse>
   <Package ID="...">
      <Error>
      <Number>-2147218798</Number>
      <Source>:clsIntlRateEngine:CalcIntlPostage;SOLServer.CallIntlRateDll</s
      ource>
      <Description>Invalid Country Name</Description>
      <HelpFile></HelpFile>
      <HelpContext></HelpContext>
      </Error>
      </Package>
            .
            .
</IntlRateResponse>
```

Output

After following Technical Step 4 and unpacking the XML response, you will have the output from your request. This section describes the different outputs resulting from "*Canned*" test requests and "*Live*" requests. Both types of requests result in an XML response with the following tags:

Output	XML Tag	Comments
Type of Response	`<IntlRateResponse>`	
Package Identification Number	`<Package ID="#">`	
Prohibitions	`<Prohibitions>`	
Restrictions	`<Restrictions>`	
Observations	`<Observations>`	
Custom Forms	`<Custom Forms>`	
Express Mail	`<Express Mail>`	

Services Identification Number	<Service ID="#">	For each package submitted, the available services for that package are returned with a separate identification number. This tag and all the following tags will repeat for each service available.
Weight of package (pounds)	<Pounds>	
Weight of package (ounces)	<Ounces>	
Type of Mail	<MailType>	
Destination Country	<Country>	
Postage Rate Charged	<Postage>	
Service Commitments	<SVCCommitments>	This provides the approximate transit time.
Service Description	<SvcDescription>	This describes the service available (e.g., Airmail, Parcel Post).
Maximum Dimensions of Package Allowed	<MaxDimensions>	
Maximum Weight of Package Allowed	<MaxWeight>	

"Canned" Test Responses

For your test to be successful, the following responses to Valid Test Requests and Pre-defined Test Requests should be ***verbatim***. If any values were changed in your request, the following default error will be returned:

```
<?xml version="1.0" ?>
<IntlRateResponse>
      <Package ID="0">
            <Error>
            <Number>-2147219040</Number>
            <Source>SOLServerTest;SOLServerTest.CallIntlRateDll</Source>
            <Description>This Information has not been included in this Test
            Server.</Description>
            <HelpFile />
            <HelpContext></HelpContext>
            </Error>
      </Package>
</IntlRateResponse>
```

Although the input may be valid, the response will still raise this error, because those particular values have not been included in this test server. Refer to the *Errors* section for an explanation of any other returned errors.

Response to Valid Test Request #1

```
<?xml version="1.0" ?>
<IntlRateResponse>
      <Package ID="0">
            <Prohibitions>Currency of the Albanian State Bank (Banknotes in
            lek). Extravagant clothes and other articles contrary to
            Albanians' taste. Items sent by political emigres.</Prohibitions>
            <Restrictions>Hunting arms require an import permit. Medicines
            for personal use are admitted provided the addressee has a
            medical certificate.</Restrictions>
```

```
            <Observations>1. Letter packages may not contain dutiable
            articles. 2. Parcel post service extends only to: Berat Konispol
            Milot Bilisht Korce Peqin</Observations>
            <CustomsForms>Postal Union Mail (LC/AO): PS Form 2976 or 2976-A
            (see 123.61) Parcel Post: PS Form 2976-A inside 2976-E
            (envelope)</CustomsForms>
            <ExpressMail>Country Code AL Reciprocal Service Name EMS Required
            Customs Form/Endorsement 1. For correspondence and business
            papers: PS Form 2976, Customs - CN 22 (Old C 1) and Sender's
            Declaration (green label). Endorse item clearly next to mailing
            label as BUSINESS PAPERS.</ExpressMail>
            <AreasServed>Tirana.</AreasServed>
      <Service ID="0">
            <Pounds>2</Pounds>
            <Ounces>0</Ounces>
            <MailType>Package</MailType>
            <Country>ALBANIA</Country>
            <Postage>87</Postage>
            <SvcCommitments>See Service Guide</SvcCommitments>
            <SvcDescription>Global Express Guaranteed (GXG) Document
            Service</SvcDescription>
            <MaxDimensions>Max. length 46", depth 35", height 46" and max.
            girth 108"</MaxDimensions>
            <MaxWeight>22</MaxWeight>
      </Service>
      <Service ID="1">
            <Pounds>2</Pounds>
            <Ounces>0</Ounces>
            <MailType>Package</MailType>
            <Country>ALBANIA</Country>
            <Postage>96</Postage>
            <SvcCommitments>See Service Guide</SvcCommitments>
            <SvcDescription>Global Express Guaranteed (GXG) Non-Document
            Service</SvcDescription>
            <MaxDimensions>Max. length 46", depth 35", height 46" and max.
            girth 108"</MaxDimensions>
            <MaxWeight>22</MaxWeight>
      </Service>
      </Package>
</IntlRateResponse>
```

Response to Valid Test Request #2

```
<?xml version="1.0" ?>
<IntlRateResponse>
      <Package ID="0">
            <Prohibitions>Articles made of tortoise-shell, mother of pearl,
            ivory, bone meerschaum and amber (succin), natural or
            reconstructed, worked jade and mineral substances similar to
            jade.</Prohibitions>
            <Restrictions>Articles of gold or platinum, jewelry and precious
            stones must be licensed by the Algerian Ministry of Finance.
            Coins, banknotes, negotiable securities, checks and other
            instruments of payment, may only be imported by the Central Bank
            of Algeria or approved intermediary banks.</Restrictions>
            <Observations>Import permits or licenses are required for many
            types of goods; therefore, the sender should ascertain from the
```

```
            addressee before mailing whether the necessary documents are
            held.</Observations>
            <CustomsForms>Postal Union Mail (LC/AO): PS Form 2976 or 2976-A
            (see 123.61) Parcel Post: PS Form 2976-A inside 2976-E
            (envelope)</CustomsForms>
            <ExpressMail>Postal employees must tell customers that there is
            no service guarantee on any EMS item to Algeria. Country Code DZ
            Reciprocal Service Name EMS Required Customs Form/Endorsement 1.
            For correspondence and business papers: PS Form 2976, Customs -
            CN 22 (Old C 1) and Sender's Declaration (green label). Endorse
            item clearly next to mailing label as BUSINESS
            PAPERS.</ExpressMail>
            <AreasServed>Adrar RP Ain Benian Ain Defla RP Ain Smara Ain
            Temouchent RP Alger aeroport EMS</AreasServed>
      <Service ID="0">
            <Pounds>0</Pounds>
            <Ounces>1</Ounces>
            <MailType>Postcards or Aerogrammes</MailType>
            <Country>ALGERIA</Country>
            <Postage>0.7</Postage>
            <SvcCommitments>N/A</SvcCommitments>
            <SvcDescription>Postcards-Airmail</SvcDescription>
            <MaxDimensions>4-1/4" x 6"</MaxDimensions>
            <MaxWeight>0</MaxWeight>
      </Service>
      <Service ID="1">
            <Pounds>0</Pounds>
            <Ounces>1</Ounces>
            <MailType>Postcards or Aerogrammes</MailType>
            <Country>ALGERIA</Country>
            <Postage>0.60</Postage>
            <SvcCommitments>N/A</SvcCommitments>
            <SvcDescription>Aerogrammes - Airmail</SvcDescription>
            <MaxDimensions>7-1/4" x 3-9/16"</MaxDimensions>
            <MaxWeight>0</MaxWeight>
      </Service>
      </Package>
</IntlRateResponse>
```

Response to Pre-defined Error Request #1: *"Invalid Weight for Pounds"*

```
<?xml version="1.0" ?>
<IntlRateResponse>
      <Package ID="0">
      <Error>
            <Number>-2147218803</Number>
            <Source>SOLServerTest;SOLServerTest.CallIntlRateDll</Source>
            <Description>Please enter a valid weight for
            pounds.</Description>
            <HelpFile />
            <HelpContext>1000440</HelpContext>
      </Error>
      </Package>
</IntlRateResponse>
```

Response to Pre-defined Error Request #2: *"Invalid Weight for Ounces"*

```
<?xml version="1.0" ?>
<IntlRateResponse>
      <Package ID="0">
      <Error>
            <Number>-2147218802</Number>
            <Source>SOLServerTest;SOLServerTest.CallIntlRateDll</Source>
            <Description>Please enter a valid weight for
            ounces.</Description>
            <HelpFile />
            <HelpContext>1000440</HelpContext>
      </Error>
      </Package>
</IntlRateResponse>
```

Response to Pre-defined Error Request #3: *"No Weight Entered"*

```
<?xml version="1.0" ?>
<IntlRateResponse>
      <Package ID="0">
      <Error>
            <Number>-2147218801</Number>
            <Source>SOLServerTest;SOLServerTest.CallIntlRateDll</Source>
            <Description>Please enter the package weight.</Description>
            <HelpFile />
            <HelpContext>1000440</HelpContext>
      </Error>
      </Package>
</IntlRateResponse>
```

Response to Pre-defined Error Request #4: *"Invalid Mail Type"*

```
<?xml version="1.0" ?>
<IntlRateResponse>
      <Package ID="0">
      <Error>
            <Number>-2147218800</Number>
            <Source>SOLServerTest;SOLServerTest.CallIntlRateDll</Source>
            <Description>Invalid International Mail Type.</Description>
            <HelpFile />
            <HelpContext>1000440</HelpContext>
      </Error>
      </Package>
</IntlRateResponse>
```

Response to Pre-defined Error Request #5: *"Invalid Country"*

```
<?xml version="1.0" ?>
<IntlRateResponse>
      <Package ID="0">
      <Error>
            <Number>-2147218799</Number>
            <Source>SOLServerTest;SOLServerTest.CallIntlRateDll</Source>
            <Description>Invalid Country.</Description>
            <HelpFile />
            <HelpContext>1000440</HelpContext>
      </Error>
      </Package>
```

```
</IntlRateResponse>
```

"Live" Responses

XML Output Example

```
<?xml version="1.0" ?>
<IntlRateResponse>
      <Package ID="0">
            <Prohibitions>Currency of the Albanian State Bank (Banknotes in
            lek). Extravagant clothes and other articles contrary to
            Albanians' taste. Items sent by political emigres.</Prohibitions>
            <Restrictions>Hunting arms require an import permit. Medicines
            for personal use are admitted provided the addressee has a
            medical certificate.</Restrictions>
            <Observations>1. Letter packages may not contain dutiable
            articles. 2. Parcel post service extends only to: Berat Konispol
            Milot Bilisht Korce Peqin</Observations>
            <CustomsForms>Postal Union Mail (LC/AO): PS Form 2976 or 2976-A
            (see 123.61) Parcel Post: PS Form 2976-A inside 2976-E
            (envelope)</CustomsForms>
            <ExpressMail>Country Code AL Reciprocal Service Name EMS Required
            Customs Form/Endorsement 1. For correspondence and business
            papers: PS Form 2976, Customs - CN 22 (Old C 1) and Sender's
            Declaration (green label). Endorse item clearly next to mailing
            label as BUSINESS PAPERS.</ExpressMail>
            <AreasServed>Tirana.</AreasServed>
      <Service ID="0">
            <Pounds>2</Pounds>
            <Ounces>0</Ounces>
            <MailType> Package</MailType>
            <Country>ALBANIA</Country>
            <Postage>87</Postage>
            <SvcCommitments>See Service Guide</SvcCommitments>
            <SvcDescription>Global Express Guaranteed (GXG) Document
            Service</SvcDescription>
            <MaxDimensions>Max. length 46", depth 35", height 46" and max.
            girth 108"</MaxDimensions>
            <MaxWeight>22</MaxWeight>
      </Service>
      <Service ID="1">
            <Pounds>2</Pounds>
            <Ounces>0</Ounces>
            <MailType> Package</MailType>
            <Country>ALBANIA</Country>
            <Postage>96</Postage>
            <SvcCommitments>See Service Guide</SvcCommitments>
            <SvcDescription>Global Express Guaranteed (GXG) Non-Document
            Service</SvcDescription>
            <MaxDimensions>Max. length 46", depth 35", height 46" and max.
            girth 108"</MaxDimensions>
            <MaxWeight>22</MaxWeight>
      </Service>
      </Package>
</IntlRateResponse>
```