

# **PD ShippingCom**

## **(Reference Guide)**

For use with all versions of PD Shipping Component  
Revised: 2/5/19

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# Getting Started

This Guide is intended for users with at least some basic ASP.NET (VB.NET or C#) experience. The language and examples in this document are geared toward individuals with some level of prior programming or web development experience.

## ***PDShippingCom Namespace***

In order to use any of these functions in your own project or .aspx, .vb, .cs file, you may want to reference the Namespace. Below are examples.

### C# Codebehind Example:

```
using PDShippingCom;
```

### VB.NET Codebehind Example :

```
Imports PDShippingCom
```

### Importing directly into a .aspx page:

```
<%@ Import Namespace="PDShippingCom" %>
```

## ***PDFunctions Class***

All functions discussed in this document are in the PDFunctions Class.

Below are some examples of how you access the functions on your page or .vb/.cs file.

### C# Example:

```
PDShippingCom.PDFunctions pd = new PDShippingCom.PDFunctions();
```

### VB.NET Example:

```
Dim pd As New PDShippingCom.PDFunctions
```

# getShippingServices Function

When called, this function will contact the shipping companies and return a DataTable with available services and rates. The carriers and services that are returned is determined by the values you set in a number of public variables.

## Function Syntax

### VB.NET

```
Dim pd As New PDShippingCom.PDFunctions  
yourrepeater.DataSource = pd.getShippingServices()  
yourrepeater.DataBind()
```

### C#

```
PDShippingCom.PDFunctions pd = new PDShippingCom.PDFunctions();  
yourrepeater.DataSource = pd.getShippingServices();  
yourrepeater.DataBind();
```

## Public Variables

Below is a list of all the variables that you would set before calling this function. Most variables are strings, be sure to convert your numeric values to a string if necessary.

<u>Variable</u>	<u>Example Value</u>	<u>Type</u>	<u>Description/Notes</u>
sFromstreet1	555 Test Street	String	Origin Street
sFromcity	New York	String	Origin City
sFromstate	NY	String	Origin State/Province (2 digit abbreviation)
sFromcountry	US	String	Origin Country Code (2 digit abbreviation)
sFromZip	10001	String	Origin Zip/Postal code
sFromcountryname	United States	String	Origin Country Name
sTocity	New York	String	Destination City
sTostate	NY	String	Destination State/Province (2 digit abbreviation)
sTocountry	US	String	Destination Country Code (2 digit abbreviation)
sTocountryname	United States	String	Destination Country Name
sTozip	10001	String	Destination Zip/Postal code
PackageWeight	1.5	String	Package Weight (in decimal form)
PackageL	10	String	Package Length
PackageW	10	String	Package Width
PackageH	10	String	Package Height
PackageG	10	String	Package Girth (applies to USPS only)
PackageValue	100.01	String	Package Value (for insurance purposes)
dimensionunits	IN	String	Unit of Measure for dimensions, IN or CM (Inches or Centimeters)
weightunits	LBS	String	Unit of Measure for weight, LBS or KG
isresidentail	True	Bool	Residential flag, set to True for packages shipping to a Residential address
usps_enabled	True	Bool	Sets whether USPS rates are enabled. True or False
uspslogin	ABCD123456	String	USPS Web Tools Login, can also be set in your web.config file
uspsstestmode	True	Bool	USPS Test mode. When set to True, all requests are sent to the USPS development servers. Can also be set in your web.config

uspssize	Regular	String	USPS size setting, Regular or Large
uspscontainer	RECTANGULAR	String	USPS container setting, RECTANGULAR, or NONRECTANGULAR (applies to Large packages only)
uspsmachine	False	String	USPS machinable setting, True or False (recommended)
uspsbox	USPSD-0	String	USPS box setting, leave blank to retrieve rates for all available services. Or, enter service codes separated by commas. ex USPSD-0,USPSD-1,USPSD-3
ups_enabled	True	Bool	Sets whether UPS rates are enabled. True or False
upslogin	ABC123456	String	UPS API login, you may also set it in your web.config
upslicense	ABC123456	String	UPS API license, you may also set it in your web.config
upspass	ABC123456	String	UPS API password, you may also set it in your web.config
upstestmode	True	Bool	UPS Test mode. When set to True, all requests are sent to the UPS development servers. Can also be set in your web.config
upspickuptype	01	String	UPS pickup type setting, enter 01 for Daily Pickup, 03 for Customer Counter, or 11 for Suggested Retail Rate
upspacktype	00	String	UPS package type setting, enter 00 for Unknown/Your own, 01 for UPS Letter, 02 for UPS Tube, 04 for UPS Pak, 21 for UPS Express Box, 24 for UPS 25KG Box, or 25 for UPS 10KG Box
upsoversize	0	String	UPS oversize setting. Values should be 0 for Standard, 1 for Oversize 1, 2 for Oversize 2, or 3 for Oversize 3
upsinsure	True	Bool	UPS insurance setting, set to True to automatically Add UPS Insurance in returned rate
upsaddhand	True	Bool	UPS handling setting, set to True to include UPS 'Additional Handling' in returned rate
fedex_enabled	True	Bool	Sets whether FedEx rates are enabled. True or False
fedexkey	ABC123456ABC123456	String	FedEx API Key, can also be set in your web.config
fedexpass	ABC123456ABC123456	String	FedEx API Password, can also be set in your web.config
fedexacc	ABC123456ABC123456	String	FedEx API Account Number, can also be set in your web.config
fedexmeter	ABC123456ABC123456	String	FedEx API Meter, can also be set in your web.config
fedextestmode	True	Bool	FedEx Test mode. When set to True, all requests are sent to the FedEx development servers. Can also be set in your web.config
fedexpickup	REGULAR_PICKUP	String	FedEx pickup setting. Enter BUSINESS_SERVICE_CENTER, DROP_BOX, REGULAR_PICKUP, REQUEST_COURIER, or STATION
fedexinvoiced	ACCOUNT	String	FedEx Invoice setting. Enter ACCOUNT
fedexpack	YOUR_PACKAGING	String	FedEx package setting, Enter YOUR_PACKAGING, FEDEX_10KG_BOX, FEDEX_25KG_BOX, FEDEX_BOX, FEDEX_ENVELOPE, FEDEX_PAK, or FEDEX_TUBE

fedexinsure	True	Bool	FedEx insurance setting, set to True to automatically Add Insurance to returned rate
formerror		String	This is variable will be populated with any messages after you call the getShippingServices function.

### **DataTable columns**

Below is a list of all the columns that will be returned after calling this function.

<u>Variable</u>	<u>Example Value</u>	<u>Type</u>	<u>Description/Notes</u>
carrier	USPS	String	Carrier type, USPS, UPS, or FEDEX
name	Priority Mail Express 1-Day™	String	Service Name
rate	27.5	Decimal	Cost of Service/Rate, as a decimal with no formatting
rateformatted	\$27.50	String	Cost of Service/Rate, formatted as currency
servicecode	USPSD-1	String	A unique code assigned to each service, examples: USPSD-1, UPS-01, FEDEX-SOMENAME

# Sample Codebehind

Below is an example of a typical codebehind that uses the PDShippingCom namespace and PDFunctions class.

## VB.NET Example

Partial Class \_Example

Inherits System.Web.UI.Page

Protected Sub GetShipping(ByVal sender As Object, ByVal e As EventArgs)

'Create an instance of the PD Shipping Functions  
Dim pd As New PDShippingCom.PDFunctions

'Set Origin Address  
pd.sFromstreet1 = fromstreet1.Text  
pd.sFromcity = fromcity.Text  
pd.sFromstate = fromstate.SelectedValue  
pd.sFromcountry = fromcountry.SelectedValue  
pd.sFromcountryname = fromcountry.SelectedItem.Text  
pd.sFromZip = fromzip.Text

'Set Destination Address  
pd.sTocity = city.Text  
pd.sTostate = state.SelectedValue  
pd.sTocountry = country.SelectedValue  
pd.sTocountryname = country.SelectedItem.Text  
pd.sTozip = zip.Text

'Set Package details  
pd.PackageWeight = packageweight.Text  
pd.PackageL = packagel.Text  
pd.PackageW = packageW.Text  
pd.PackageH = packageH.Text  
pd.PackageG = packageG.Text  
pd.PackageValue = packagevalue.Text  
pd.dimensionunits = dimensionunit.SelectedValue  
pd.weightunits = weightunit.SelectedValue  
If isresidential.Checked = True Then  
    pd.isresidentail = True  
End If

'USPS specific settings  
pd.uspsize = uspsize.SelectedValue  
pd.uspscontainer = uspscontainer.SelectedValue  
pd.uspsmachine = uspsmachine.SelectedValue  
pd.uspsbox = uspsbox.SelectedValue

'Set which carriers you want to get rates from, UPS, USPS, FedEx  
pd.usps\_enabled = True

'Call the getShippingServices function to bind the data to your page in a repeator or datalist  
shippingservices.DataSource = pd.getShippingServices()  
shippingservices.DataBind()

End Sub

End Class

## C# Example

```
using System;
using System.Collections.Generic;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

partial class _Default : System.Web.UI.Page
{
    protected void GetShipping(object sender, EventArgs e)
    {
        //Create an instance of the PD Shipping Functions
        PDShippingCom.PDFunctions pd = new PDShippingCom.PDFunctions();

        //Set Origin Address
        pd.sFromstreet1 = fromstreet1.Text;
        pd.sFromcity = fromcity.Text;
        pd.sFromstate = fromstate.SelectedValue;
        pd.sFromcountry = fromcountry.SelectedValue;
        pd.sFromcountryname = fromcountry.SelectedItem.Text;
        pd.sFromZip = fromzip.Text;

        //Set Destination Address
        pd.sTocity = city.Text;
        pd.sTostate = state.SelectedValue;
        pd.sTocountry = country.SelectedValue;
        pd.sTocountryname = country.SelectedItem.Text;
        pd.sTozip = zip.Text;

        //Set Package details
        pd.PackageWeight = packageweight.Text;
        pd.PackageL = packageL.Text;
        pd.PackageW = packageW.Text;
        pd.PackageH = packageH.Text;
        pd.PackageG = packageG.Text;
        pd.PackageValue = packagevalue.Text;
        pd.dimensionunits = dimensionunit.SelectedValue;
        pd.weightunits = weightunit.SelectedValue;
        if (isresidential.Checked == true)
        {
            pd.isresidentail = true;
        }

        //USPS specific settings
        pd.uspsize = uspsize.SelectedValue;
        pd.uspscontainer = uspscontainer.SelectedValue;
        pd.uspsmachine = uspsmachine.SelectedValue;
        pd.uspsbox = uspsbox.SelectedValue;

        //Set which carriers you want to get rates from, UPS, USPS, FedEx
        pd.usps_enabled = true;

        //Call the getShippingServices function to
        shippingservices.DataSource = pd.getShippingServices();
        shippingservices.DataBind();
    }
}
```



## Optional functions

### *DisplayService*

See examples in sample .vb and .cs files

### *RenameService*

See examples in sample .vb and .cs files

### *getstatelist*

See examples in sample .vb and .cs files

### *getcountrylist*

See examples in sample .vb and .cs files

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