

shippingapi - the C# library for the Shipping API

See the [Shipping API](#) for more information.

Shipping API Sample

This C# SDK is automatically generated by the [OpenAPI Generator](#) project:

- API version: 1.0.0
- SDK version: 2.0.0
- Build package: org.openapitools.codegen.languages.CSharpClientCodegen

Frameworks supported

- .NET 4.0 or later
- Windows Phone 7.1 (Mango)

Dependencies

- [RestSharp](#) - 105.1.0 or later
- [Json.NET](#) - 7.0.0 or later
- [JsonSubTypes](#) - 1.2.0 or later

The DLLs included in the package may not be the latest version. We recommend using [NuGet](#) to obtain the latest version of the packages:

```
Install-Package RestSharp
Install-Package Newtonsoft.Json
Install-Package JsonSubTypes
```

NOTE: RestSharp versions greater than 105.1.0 have a bug which causes file uploads to fail. See [RestSharp#742](#)

Installation

Run the following command to generate the DLL

- [Mac/Linux] `/bin/sh build.sh`
- [Windows] `build.bat`

Then include the DLL (under the `bin` folder) in the C# project, and use the namespaces:

```
using shippingapi.Api;
using shippingapi.Client;
using shippingapi.Model;
```

Packaging

A `.nuspec` is included with the project. You can follow the Nuget quickstart to [create](#) and [publish](#) packages.

This `.nuspec` uses placeholders from the `.csproj`, so build the `.csproj` directly:

```
nuget pack -Build -OutputDirectory out shippingapi.csproj
```

Then, publish to a [local feed](#) or [other host](#) and consume the new package via Nuget as usual.

Getting Started

```
using System.Collections.Generic;
using System.Diagnostics;
using shippingapi.Api;
using shippingapi.Client;
using shippingapi.Model;

namespace Example
{
    public class Example
    {
        public static void Main()
        {
            Configuration.Default.BasePath = "https://shipping-api-sandbox.pitneybowes.com/shippingservices";
            // Configure OAuth2 access token for authorization: OAuth2ClientCredentials
            Configuration.Default.AccessToken = "YOUR_ACCESS_TOKEN";

            var apiInstance = new AddressValidationApi(Configuration.Default);
            var address = new Address(); // Address | Address object that needs to be validated.
            var xPBUnifiedErrorStructure = true; // bool? | Set this to true to use the standard
            [error object](https://shipping.pitneybowes.com/reference/error-object.html#standard-error-object) if
            an error occurs. (optional) (default to true)
            var minimalAddressValidation = true; // bool? | When set to true, the complete address
            (delivery line and last line) is validated but only the last line (city, state, and postal code)
            would be changed by the validation check. (optional)

            try
            {
                // Address validation
                Address result = apiInstance.VerifyAddress(address, xPBUnifiedErrorStructure,
                minimalAddressValidation);
                Debug.WriteLine(result);
            }
            catch (ApiException e)
            {
                Debug.Print("Exception when calling AddressValidationApi.VerifyAddress: " + e.Message
            );
                Debug.Print("Status Code: " + e.ErrorCode);
                Debug.Print(e.StackTrace);
            }
        }
    }
}
```

Documentation for API Endpoints

All URIs are relative to <https://shipping-api-sandbox.pitneybowes.com/shippingservices>

Class	Method	HTTP request	Description
<i>AddressValidationApi</i>	VerifyAddress	POST /v1/addresses/verify	Address validation
<i>AddressValidationApi</i>	VerifyAndSuggestAddress	POST /v1/addresses/verify-suggest	Address Suggestion
<i>CarrierInfoApi</i>	GetCarrierFacilities	POST /v1/carrier-facility	Find Carrier Facilities

Class	Method	HTTP request	Description
<i>CarrierInfoApi</i>	GetCarrierLicenseAgreement	GET /v1/carrier/license-agreements	This operation retrieves a carrier's license agreement.
<i>CarrierInfoApi</i>	GetCarrierServiceRules	GET /v1/information/rules/rating-services	Retrieves the rules governing the carrier's services.
<i>CarrierInfoApi</i>	GetCarrierSupportedDestination	GET /v1/countries	This operation returns a list of supported destination countries to which the carrier offers international shipping services.
<i>ContainerApi</i>	GetContainerizedParcelsLabels	POST /v1/container-manifest	Create Container Manifest Label
<i>CrossBorderQuotesApi</i>	GetCrossBorderQuotes	POST /v1/crossborder/checkout/quotes	Cross-Border Quotes
<i>CrossBorderQuotesApi</i>	PredictedHSCode	POST /v1/crossborder/hs-classification/items	Predicts the HS Code for a parcel
<i>ManifestsApi</i>	CreateManifest	POST /v1/manifests	This operation creates an end-of-day manifest
<i>ManifestsApi</i>	ReprintManifest	GET /v1/manifests/{manifestId}	reprintManifest
<i>ManifestsApi</i>	RetryManifest	GET /v1/manifests	retryManifest
<i>ParcelProtectionApi</i>	CancelParcelProtection	POST /v1/parcel-protection/void	Parcel Protection Coverage
<i>ParcelProtectionApi</i>	GetParcelProtectionCoverage	POST /v1/parcel-protection/create	Parcel Protection Coverage
<i>ParcelProtectionApi</i>	GetParcelProtectionQuote	POST /v1/parcel-protection/quote	Parcel Protection Quote
<i>ParcelProtectionApi</i>	GetParcelProtectionReports	GET /v1/parcel-protection/{developerId}/policies	Parcel Protection Reports
<i>PickupApi</i>	CancelPickup	POST /v1/pickups/{pickupId}/cancel	Cancel Pickup
<i>PickupApi</i>	GetPickupschedule	POST /v1/pickups/schedule	Address validation
<i>RateParcelsApi</i>	RateParcel	POST /v1/rates	Use this operation to rate a parcel before you print and purchase a shipment label. You can rate a parcel for multiple services and multiple parcel types with a single API request.

Class	Method	HTTP request	Description
<i>ShipmentApi</i>	CancelShipment	DELETE /v1/shipments/{shipmentId}	cancelShipment
<i>ShipmentApi</i>	CreateShipmentLabel	POST /v1/shipments	This operation creates a shipment and purchases a shipment label.
<i>ShipmentApi</i>	ReprintShipment	GET /v1/shipments/{shipmentId}	reprintShipment
<i>ShipmentApi</i>	RetryShipment	GET /v1/shipments	retryShipment
<i>TrackingApi</i>	AddTrackingEvents	POST /v2/track/events	getTrackingDetails
<i>TrackingApi</i>	GetTrackingDetails	GET /v1/tracking/{trackingNumber}	getTrackingDetails
<i>TransactionReportsApi</i>	GetTransactionReport	GET /v4/ledger/developers/{developerId}/transactions/reports	This operation retrieves all transactions for a specified period of time.

Documentation for Models

- [Model.AddTrackingEvents](#)
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- [Model.AddTrackingEventsReferences](#)
- [Model.AdditionalAddress](#)
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- [Model.AddressSuggestionResponse](#)
- [Model.AddressSuggestionResponseSuggestions](#)
- [Model.AddressVerifySuggest](#)
- [Model.BatteryDetails](#)
- [Model.CancelShipment](#)
- [Model.Carrier](#)
- [Model.CarrierFacilityRequest](#)
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- [Model.CommodityInfo](#)
- [Model.ContainerDetails](#)
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- [Model.VoidParcelProtectionResponse](#)
- [Model.WeightRules](#)

Documentation for Authorization

oAuth2ClientCredentials

- **Type:** OAuth
- **Flow:** application
- **Authorization URL:**
- **Scopes:** N/A