

# Translator

## Introduction

**AmplifierApiClient** .NET package provides ways to authenticate and communicate with Amplifier API. This includes access to B2B WS.

### [Nuget](#)

You can add this package to your .NET project by using:

- **Package Manager Console in Visual Studio**

```
Install-Package AmperApiClient.NET
```

- **.NET CLI**

```
dotnet add package AmperApiClient.NET
```

- **add reference directly to your .csproj file**

```
<ItemGroup>
  <PackageReference Include="AmperApiClient.NET" Version="1.x.x" />
</ItemGroup>
```

### [Example project](#)

Import

```
using Amplifier;
```

# AmplifierJWTAuth

## Constructors

Name	Description
<b>Constructor(username, password, authUrl)</b>	Creates an <b>AmplifierJWTAuth</b> with specified credentials

# Methods

Return Type	Name	Description
<i>Task&lt;string&gt;</i>	<a href="#"><b>GetToken</b></a>	Fetches your JSON Web Token required for communication with backend of Amplifier

## Constructor(username, password, authUrl)

```
using Amplifier;
```

```
string AUTH_URL = "your_ws_endpoint";  
string USERNAME = "your_user_name";  
string PASSWORD = "your_password";  
  
AmplifierJWTAuth amplifierJWTAuth = new AmplifierJWTAuth(USERNAME, PASSWORD, AUTH_URL);
```

“ replace `"your_ws_endpoint"`, `"your_user_name"` and `"your_password"` with your credentials

Name	Type	Description
<b>your_ws_endpoint</b>	<i>String</i>	Your dedicated AMPER WS endpoint
<b>username</b>	<i>String</i>	
<b>password</b>	<i>String</i>	

## GetToken()

```
using Amplifier;
```

```
AmplifierJWTAuth amplifierJWTAuth = new AmplifierJWTAuth(USERNAME, PASSWORD, AUTH_URL);  
  
string token = await amplifierJWTAuth.getToken();
```

### Returns

Personal JSON Web Token

# B2BWSConfig

## Properties

Name	Type	Description
<b>B2BWSUrl</b>	<i>string</i>	target AMPER Web Service URL
<b>ERPConnectionString</b>	<i>string</i>	
<b>JWTToken</b>	<i>string</i>	JSON Web Token fetched by AmplifierJWTAuth

# B2BWSBackend

## Constructors

Name	Description
<b>Constructor(b2BWSConfig)</b>	Creates an B2BWSBackend using config containing JWT and WS URL

## Methods

Return Type	Name	Description
<i>Task&lt;string&gt;</i>	<a href="#"><u>ChangeOrderStatus(status, token)</u></a>	Asynchronously changes the status of an order
<i>Task&lt;string&gt;</i>	<a href="#"><u>GetListOfComplaints</u></a>	Asynchronously fetches the list of complaints
<i>Task&lt;string&gt;</i>	<a href="#"><u>GetListOfOrders(status)</u></a>	Asynchronously fetches list of orders with a specified status
<i>Task&lt;string&gt;</i>	<a href="#"><u>GetOrder(token)</u></a>	Asynchronously fetches an order by it's token
<i>Task</i>	<a href="#"><u>SendAccountsAsync(accounts)</u></a>	Asynchronously sends the list of accounts
<i>Task</i>	<a href="#"><u>SendAddresses(addresses)</u></a>	Asynchronously Sends the list of addresses

Return Type	Name	Description
Task	<a href="#"><u>SendCategoryDiscountAsync(category discounts)</u></a>	Asynchronously sends the list of category discounts
Task	<a href="#"><u>SendCustomerProductLogisticMinimumAsync(relations)</u></a>	Asynchronously sends the list of logistic minimums for customers and products
Task	<a href="#"><u>SendCustomerProductsRelationsAsync(relations)</u></a>	Asynchronously sends the list of customer product relations
Task*	<a href="#"><u>SendDocumentsAsync(documents )</u></a>	Asynchronously sends the list of documents
Task	<a href="#"><u>SendFile(path, fileName, product_external_id, order)</u></a>	Asynchronously sends a file
Task	<a href="#"><u>SendPriceLevelsAsync(priceLevels)</u></a>	Asynchronously sends the list of price levels
Task	<a href="#"><u>SendPricesAsync(priceLevels)</u></a>	Asynchronously sends the list of prices
Task	<a href="#"><u>SendProductCategoriesAsync(categories)</u></a>	Asynchronously sends the list of product categories
Task	<a href="#"><u>SendProductCategoriesRelationsAsync(relations)</u></a>	Asynchronously sends the list of product category relations
Task	<a href="#"><u>SendProductsAsync(products)</u></a>	Asynchronously sends the list of products
Task	<a href="#"><u>SendRelatedProductsAsync(related_products)</u></a>	Asynchronously sends the list of related products
Task	<a href="#"><u>SendSettlementsAsync(settlements)</u></a>	Asynchronously sends the list of settlements
Task	<a href="#"><u>SendStockLocationsAsync(stockLocations)</u></a>	Asynchronously sends the list of location of the product stock
Task	<a href="#"><u>SendStocksAsync(stocks)</u></a>	Asynchronously sends the list of product stock

# Constructor(b2BWSSConfig)

## Parameters

Name	Type	Description
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<b>b2BWSSConfig</b>	<a href="#">B2BWSSConfig</a>	
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## ChangeOrderStatus(status, token)

Name	Type	Description
<b>status</b>	<i>String</i>	New status
<b>token</b>	<i>String</i>	Order's token

### Returns

Task object containing result of the operation

## GetListOfComplaints()

### Returns

Task object containing list of complaints in JSON format as a string

## GetListOfOrders(status)

### Parameters

Name	Type	Description
<b>status</b>	<i>String</i>	Status of orders

### Returns

Task object containing list of orders in JSON format as a string

## GetOrder(token)

### Parameters

Name	Type	Description
<b>token</b>	<i>String</i>	Order's token

### Returns

Task object containing order in JSON format as a string

# SendAccountsAsync(accounts)

## Parameters

Name	Type	Description
accounts	List< <a href="#">Account</a> >	List of accounts

## Returns

Task object representing the result of the operation

# SendAddresses(addresses)

## Parameters

Name	Type	Description
addresses	List< <a href="#">Address</a> >	List of addresses

## Returns

Task object representing the result of the operation

# SendCategoryDiscountAsync(category\_discounts)

## Parameters

Name	Type	Description
category_discounts	List< <a href="#">CategoryDiscount</a> >	List of category discounts

## Returns

Task object representing the result of the operation

# SendCustomerProductLogisticMinimumAsync(relations)

## Parameters

Name	Type	Description
<b>relations</b>	<i>List</i> < <a href="#">CustomerProductLogisticMinimum</a> >	List of logistic minimums for customers and products

## Returns

Task object representing the result of the operation

# SendCustomerProductsRelationAsyncAsync(relations)

## Parameters

Name	Type	Description
<b>relations</b>	<i>List</i> < <a href="#">CustomerProductRelation</a> >	List of customer product relations

## Returns

Task object representing the result of the operation

# SendDocumentsAsync(documents)

## Parameters

Name	Type	Description
<b>documents</b>	<i>List</i> < <a href="#">Document</a> >	List of documents

## Returns

Task object representing the result of the operation

# SendFile(path, fileName, product\_external\_id, order)

## Parameters

Name	Type	Description
<b>path</b>	<i>String</i>	Path to a file
<b>fileName</b>	<i>String</i>	Name of a file after it's sent
<b>product_external_id</b>	<i>String</i>	Product's Id in client's database
<b>order</b>	<i>String</i>	

### Returns

Task object representing the result of the operation

## SendPriceLevelsAsync(priceLevels)

### Parameters

Name	Type	Description
<b>priceLevels</b>	<i>List</i> < <a href="#">PriceLevel</a> >	List of price levels

### Returns

Task object representing the result of the operation

## SendPricesAsync(priceLevels)

### Parameters

Name	Type	Description
<b>priceLevels</b>	<i>List</i> < <a href="#">Price</a> >	List of prices

### Returns

Task object representing the result of the operation

## SendProductCategoriesAsync(categories)

### Parameters

Name	Type	Description
<b>categories</b>	<i>List</i> < <a href="#">ProductCategory</a> >	List of product categories



**Returns** Task object representing the result of the operation

# SendProductCategoriesRelationAsyncsAsync(relations)

## Parameters

Name	Type	Description
<b>relations</b>	List< <a href="#">ProductCategoryRelation</a> >	List of product category relations

## Returns

Task object representing the result of the operation

# SendProductsAsync(products)

## Parameters

Name	Type	Description
<b>products</b>	List< <a href="#">Product</a> >	List of products

## Returns

Task object representing the result of asynchronous operation

# SendRelatedProductsAsync(related\_products)

## Parameters

Name	Type	Description
<b>related_products</b>	List< <a href="#">RelatedProducts</a> >	List of related products

## Returns

Task object representing the result of the operation

# SendSettlementsAsync(settlements)

## Parameters

Name	Type	Description
<b>settlements</b>	List< <a href="#">Settlement</a> >	List of settlements

## Returns

Task object representing the result of the operation

# SendStockLocationsAsync(stockLocations)

## Parameters

Name	Type	Description
<b>stockLocations</b>	List< <a href="#">StockLocation</a> >	List of location of the product stock

## Returns

Task object representing the result of the operation

# SendStocksAsync(stocks)

## Parameters

Name	Type	Description
<b>stocks</b>	List< <a href="#">Stock</a> >	List of product stock

## Returns

Task object representing the result of the operation

# Models

# Account

## Properties

Name	Type	Description
customers	List< <a href="#">Customer</a> >	
external_id	string	Account's Id in client's database
name	string	
short_name	string	

# Address

## Properties

Name	Type	Description
city	string	
customer_external_id	string	Customer's Id in client's database
email	string	
external_id	string	Addres's Id in client's database
name	string	
phone	string	
postal_code	string	
street	string	
street_continuation	string	
voivodeship	string	

# CategoryDiscount

## Properties

Name	Type	Description
<b>category_external_id</b>	<i>string</i>	Category's Id in client's database
<b>discount</b>	<i>decimal</i>	
<b>end_date</b>	<i>string</i>	
<b>external_id</b>	<i>string</i>	Category discount's Id in client's database
<b>order</b>	<i>int</i>	
<b>price_level_external_id</b>	<i>string</i>	Price level's Id in client's database
<b>start_date</b>	<i>string</i>	

# Complaint

## Properties

Name	Type	Description
<b>attachments</b>	<i>List&lt;object&gt;</i>	
<b>created_at</b>	<i>DateTime</i>	
<b>created_by</b>	<i>DateTime</i>	
<b>customer_external_id</b>	<i>string</i>	Customer's Id in client's database
<b>id</b>	<i>int</i>	
<b>lines</b>	<i>List&lt;<a href="#">ComplaintLine</a>&gt;</i>	
<b>note</b>	<i>string</i>	
<b>notes</b>	<i>List&lt;object&gt;</i>	
<b>nr</b>	<i>string</i>	
<b>status</b>	<i>string</i>	
<b>updated_at</b>	<i>int?</i>	
<b>updated_by</b>	<i>int?</i>	

# ComplaintLine

# Properties

Name	Type	Description
complaint	<i>id</i>	
description	<i>string</i>	
id	<i>id</i>	
name	<i>string</i>	
order	<i>string</i>	
product_external_id	<i>string</i>	Product's Id in client's database
product_id	<i>int</i>	
purchase_date	<i>string</i>	

# Customer

## Properties

Name	Type	Description
city	<i>string</i>	
comments	<i>string</i>	
discount	<i>decimal</i>	
doc_export	<i>bool</i>	
external_id	<i>string</i>	Customer's Id in client's database
ftp_export	<i>bool</i>	
login	<i>string</i>	
mail_export	<i>bool</i>	
name	<i>string</i>	
offer_export	<i>bool</i>	
overdue_limit	<i>decimal</i>	
password	<i>string</i>	
phone	<i>string</i>	
postal_code	<i>string</i>	

Name	Type	Description
price_level_external_id	string	Price level's Id in client's database
primary_email	string	
short_name	string	
street	string	
tax_id	string	
template	string	
trade_credit_limit	decimal	

# CustomerProductLogisticMinimum

## Properties

Name	Type	Description
customer_external_id	string	Customer's Id in client's database
external_id	string	Id of logistic minimum for customer and product in client's database
logistic_minimum	decimal	
product_external_id	string	Product's Id in client's database

# CustomerProductRelation

## Properties

Name	Type	Description
customer_external_id	string	Customer's Id in client's database
external_id	string	Customer product relation's Id in client's database
product_external_id	string	Product's Id in client's database

# Document

## Properties

Name	Type	Description
customer	string	
date	string	
description	string	
document_lines	List< <a href="#">DocumentLine</a> >	
due_date	string	
external_id	string	Document's Id in client's database
number	string	
value_gross	decimal	
value_net	decimal	

# DocumentLine

## Properties

Name	Type	Description
document	string	
group	string	
make	string	
manufacturer	string	
price_gross	decimal	
price_net	decimal	
product	decimal	
product_ean	decimal	
product_name	string	
product_symbol	string	

Name	Type	Description
quantity	decimal	
quantity_aggregate	decimal	
unit	string	
unit_aggregate	string	
value_gross	decimal	
value_net	decimal	
vat	int	

# Order

## Properties

Name	Type	Description
billing_address	string	
created	DateTime	
customer_external_id	string	Customer's Id in client's database
customer_note	string	
discount_amount	object	
lines	List< <a href="#">OrderLine</a> >	
paid	object	
products_total_gross	string	
products_total_net	string	
shipment	int	
shipment_type	int	
shipping_address	int	
shipping_price_gross	string	
shipping_price_net	string	
status	string	
token	string	
total_gross	decimal	



Name	Type	Description
<b>total_net</b>	<i>decimal</i>	
<b>updated</b>	<i>DateTime</i>	
<b>user_email</b>	<i>string</i>	

# OrderLine

## Properties

Name	Type	Description
<b>attributes</b>	<i>List&lt;object&gt;</i>	
<b>id</b>	<i>int</i>	
<b>product</b>	<i>int</i>	
<b>product_external_id</b>	<i>string</i>	Product's Id in client's database
<b>product_name</b>	<i>string</i>	
<b>product_sku</b>	<i>string</i>	
<b>quantity</b>	<i>int</i>	
<b>tax_rate</b>	<i>string</i>	
<b>unit_price_gross</b>	<i>string</i>	
<b>unit_price_net</b>	<i>string</i>	

# Price

## Properties

Name	Type	Description
<b>discount</b>	<i>decimal</i>	
<b>end_date</b>	<i>string</i>	
<b>external_id</b>	<i>string</i>	Price's Id in client's database
<b>order</b>	<i>int</i>	

Name	Type	Description
price	<i>decimal</i>	
price_level_external_id	<i>string</i>	Price level's Id in client's database
product_external_id	<i>string</i>	Product's Id in client's database
start_date	<i>string</i>	

# PriceLevel

## Properties

Name	Type	Description
external_id	<i>string</i>	Price level's Id in client's database
name	<i>string</i>	
order	<i>int</i>	

# Product

## Properties

Name	Type	Description
attributes	List< <a href="#">ProductAttributes</a> >	
available_on	<i>string</i>	
can_be_split	<i>bool</i>	
cumulative_converter	<i>decimal</i>	
cumulative_unit_of_measure	<i>string</i>	
cumulative_unit_ratio_splitter	<i>decimal</i>	
default_price	<i>decimal</i>	
default_unit_of_measure	<i>string</i>	
description	<i>string</i>	

Name	Type	Description
external_id	string	Product's Id in client's database
friendly_name	string	
is_featured	bool	
is_published	bool	
name	string	
short_code	string	
short_description	string	
sku	string	
unit_roundup	bool	
vat	int	
weight	decimal	

# ProductAttributes

## Properties

Name	Type	Description
atr_name	string	
atr_val	string	
key	string	

## Constructors

Name	Description
Constructor(String, String, String)	

# Constructor(String, String, String)

# ProductCategory

## Properties

Name	Type	Description
<b>description</b>	<i>string</i>	
<b>external_id</b>	<i>string</i>	Product category's Id in client's database
<b>name</b>	<i>string</i>	
<b>order</b>	<i>int</i>	
<b>parent_external_id</b>	<i>string</i>	Category's parent category Id in client's database
<b>seo_tags</b>	<i>string</i>	

# ProductCategoryRelation

## Properties

Name	Type	Description
<b>category_external_id</b>	<i>string</i>	Category's Id in client's database
<b>external_id</b>	<i>string</i>	Product and category relation's Id in client's database
<b>product_external_id</b>	<i>string</i>	Product's Id in client's database

# ProductImage

Name	Type	Description
<b>alt</b>	<i>string</i>	
<b>product_id</b>	<i>int</i>	
<b>image</b>	<i>string</i>	

Name	Type	Description
<b>order</b>	<i>int</i>	
<b>thumbnail_width</b>	<i>int</i>	

# RelatedProduct

## Properties

Name	Type	Description
<b>external_id</b>	<i>string</i>	Related product's Id in client's database

# RelatedProducts

## Properties

Name	Type	Description
<b>external_id</b>	<i>string</i>	Product's Id in client's database
<b>related_products</b>	<i>List</i> < <a href="#">RelatedProduct</a> >	List of related products

# Settlement

## Properties

Name	Type	Description
<b>customer</b>	<i>string</i>	
<b>date</b>	<i>string</i>	
<b>due_date</b>	<i>string</i>	
<b>external_id</b>	<i>string</i>	Settlement's Id in client's database

Name	Type	Description
number	string	
value	decimal	
value_to_pay	decimal	

# Stock

## Properties

Name	Type	Description
external_id	string	
product_external_id	string	Product's Id in client's database
quantity	decimal	
quantity_allocated	decimal	
stock_level_external_id	string	Stock location's Id in client's database

# StockLocation

## Properties

Name	Type	Description
external_id	string	
name	string	

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