

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
Constructor(username, password, authUrl)	Creates an AmplifierJWTAuth with specified credentials

Methods

Return Type	Name	Description
<i>Task<string></i>	GetToken	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
your_ws_endpoint	<i>String</i>	Your dedicated AMPER WS endpoint
username	<i>String</i>	
password	<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
B2BWSUrl	<i>string</i>	target AMPER Web Service URL
ERPConnectionString	<i>string</i>	
JWTToken	<i>string</i>	JSON Web Token fetched by AmplifierJWTAuth

B2BWSBackend

Constructors

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

Methods

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

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

Constructor(b2BWSSConfig)

Parameters

Name	Type	Description
------	------	-------------

b2BWSToken	B2BWSToken	
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ChangeOrderStatus(status, token)

Name	Type	Description
status	<i>String</i>	New status
token	<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
status	<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
token	<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< Account >	List of accounts

Returns

Task object representing the result of the operation

SendAddresses(addresses)

Parameters

Name	Type	Description
addresses	List< Address >	List of addresses

Returns

Task object representing the result of the operation

SendCategoryDiscountAsync(category_discounts)

Parameters

Name	Type	Description
category_discounts	List< CategoryDiscount >	List of category discounts

Returns

Task object representing the result of the operation

SendCustomerProductLogisticMinimumAsync(relations)

Parameters

Name	Type	Description
relations	List< CustomerProductLogisticMinimum >	List of logistic minimums for customers and products

Returns

Task object representing the result of the operation

SendCustomerProductsRelationAsyncsAsync(relations)

Parameters

Name	Type	Description
relations	List< CustomerProductRelation >	List of customer product relations

Returns

Task object representing the result of the operation

SendDocumentsAsync(documents)

Parameters

Name	Type	Description
documents	List< Document >	List of documents

Returns

Task object representing the result of the operation

SendFile(path, fileName, product_external_id, order)

Parameters

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

Returns

Task object representing the result of the operation

SendPriceLevelsAsync(priceLevels)

Parameters

Name	Type	Description
priceLevels	<i>List</i> < PriceLevel >	List of price levels

Returns

Task object representing the result of the operation

SendPricesAsync(priceLevels)

Parameters

Name	Type	Description
priceLevels	<i>List</i> < Price >	List of prices

Returns

Task object representing the result of the operation

SendProductCategoriesAsync(categories)

Parameters

Name	Type	Description
categories	<i>List</i> < ProductCategory >	List of product categories

Returns Task object representing the result of the operation

SendProductCategoriesRelationAsyncsAsync(relations)

Parameters

Name	Type	Description
relations	List< ProductCategoryRelation >	List of product category relations

Returns

Task object representing the result of the operation

SendProductsAsync(products)

Parameters

Name	Type	Description
products	List< Product >	List of products

Returns

Task object representing the result of asynchronous operation

SendRelatedProductsAsync(related_products)

Parameters

Name	Type	Description
related_products	List< RelatedProducts >	List of related products

Returns

Task object representing the result of the operation

SendSettlementsAsync(settlements)

Parameters

Name	Type	Description
settlements	List< Settlement >	List of settlements

Returns

Task object representing the result of the operation

SendStockLocationsAsync(stockLocations)

Parameters

Name	Type	Description
stockLocations	List< StockLocation >	List of location of the product stock

Returns

Task object representing the result of the operation

SendStocksAsync(stocks)

Parameters

Name	Type	Description
stocks	List< Stock >	List of product stock

Returns

Task object representing the result of the operation

Models

Account

Properties

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

Complaint

Properties

Name	Type	Description
attachments	<i>List<object></i>	
created_at	<i>DateTime</i>	
created_by	<i>DateTime</i>	
customer_external_id	<i>string</i>	Customer's Id in client's database
id	<i>int</i>	
lines	<i>List<ComplaintLine></i>	
note	<i>string</i>	
notes	<i>List<object></i>	
nr	<i>string</i>	
status	<i>string</i>	
updated_at	<i>int?</i>	
updated_by	<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< DocumentLine >	
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< OrderLine >	
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
total_net	<i>decimal</i>	
updated	<i>DateTime</i>	
user_email	<i>string</i>	

OrderLine

Properties

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

Price

Properties

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

ProductCategoryRelation

Properties

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

ProductImage

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

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

RelatedProduct

Properties

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

RelatedProducts

Properties

Name	Type	Description
external_id	<i>string</i>	Product's Id in client's database
related_products	<i>List</i> < RelatedProduct >	List of related products

Settlement

Properties

Name	Type	Description
customer	<i>string</i>	
date	<i>string</i>	
due_date	<i>string</i>	
external_id	<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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