

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
<i>Task</i>	<u>SendCategoryDiscountAsync(category_discounts)</u>	Asynchronously sends the list of category discounts
<i>Task</i>	<u>SendCustomerProductLogisticMinimumAsync(relations)</u>	Asynchronously sends the list of logistic minimums for customers and products

Return Type	Name	Description
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
b2BWSSConfig	<u>B2BWSSConfig</u>	

ChangeOrderStatus(status, token)

Name	Type	Description
status	String	New status
token	String	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	String	Status of orders

Returns

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

GetOrder(token)

Parameters

Name	Type	Description
token	String	Order's token

Returns

Task object containing order in JSON format as a string

SendAccountsAsync(accounts)

Parameters

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

accounts	<i>List</i> < Account >	List of accounts
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Returns

Task object representing the result of the operation

SendAddresses(addresses)

Parameters

Name	Type	Description
addresses	<i>List</i> < Address >	List of addresses

Returns

Task object representing the result of the operation

SendCategoryDiscountAsync(category_discounts)

Parameters

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

Returns

Task object representing the result of the operation

SendCustomerProductLogisticMinimumAsync(relations)

Parameters

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

Returns

Task object representing the result of the operation

SendCustomerProductsRelationAsynccsAsync(re lations)

Parameters

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

Returns

Task object representing the result of the operation

SendDocumentsAsync(documents)

Parameters

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

Returns

Task object representing the result of the operation

SendPricesAsync(priceLevels)

Parameters

Name	Type	Description
priceLevels	List< Price >	List of prices

Returns

Task object representing the result of the operation

SendProductCategoriesAsync(categories)

Parameters

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

Returns Task object representing the result of the operation

SendProductCategoriesRelationAsynccsAsync(re lations)

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
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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	<i>string</i>	
customer_external_id	<i>string</i>	Customer's Id in client's database
email	<i>string</i>	
external_id	<i>string</i>	Addres's Id in client's database
name	<i>string</i>	
phone	<i>string</i>	
postal_code	<i>string</i>	
street	<i>string</i>	
street_continuation	<i>string</i>	
voivodeship	<i>string</i>	

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>	

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

CustomerProductLogisticMinimum

Properties

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

CustomerProductRelation

Properties

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

Document

Properties

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

DocumentLine

Properties

Name	Type	Description
document	<i>string</i>	

Name	Type	Description
group	<i>string</i>	
make	<i>string</i>	
manufacturer	<i>string</i>	
price_gross	<i>decimal</i>	
price_net	<i>decimal</i>	
product	<i>decimal</i>	
product_ean	<i>decimal</i>	
product_name	<i>string</i>	
product_symbol	<i>string</i>	
quantity	<i>decimal</i>	
quantity_aggregate	<i>decimal</i>	
unit	<i>string</i>	
unit_aggregate	<i>string</i>	
value_gross	<i>decimal</i>	
value_net	<i>decimal</i>	
vat	<i>int</i>	

Order

Properties

Name	Type	Description
billing_address	<i>string</i>	
created	<i>DateTime</i>	
customer_external_id	<i>string</i>	Customer's Id in client's database
customer_note	<i>string</i>	
discount_amount	<i>object</i>	
lines	<i>List<OrderLine></i>	
paid	<i>object</i>	
products_total_gross	<i>string</i>	

Name	Type	Description
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	
total_net	decimal	
updated	DateTime	
user_email	string	

OrderLine

Properties

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

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>	
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	<i>List</i> < ProductAttributes >	
available_on	<i>string</i>	
can_be_split	<i>bool</i>	
cumulative_converter	<i>decimal</i>	
cumulative_unit_of_measure	<i>string</i>	

Name	Type	Description
cumulative_unit_ratio_splitter	<i>decimal</i>	
default_price	<i>decimal</i>	
default_unit_of_measure	<i>string</i>	
description	<i>string</i>	
external_id	<i>string</i>	Product's Id in client's database
friendly_name	<i>string</i>	
is_featured	<i>bool</i>	
is_published	<i>bool</i>	
name	<i>string</i>	
short_code	<i>string</i>	
short_description	<i>string</i>	
sku	<i>string</i>	
unit_roundup	<i>bool</i>	
vat	<i>int</i>	
weight	<i>decimal</i>	

ProductAttributes

Properties

Name	Type	Description
atr_name	<i>string</i>	
atr_val	<i>string</i>	
key	<i>string</i>	

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>	
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
number	<i>string</i>	
value	<i>decimal</i>	
value_to_pay	<i>decimal</i>	

Stock

Properties

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

StockLocation

Properties

Name	Type	Description
external_id	<i>string</i>	
name	<i>string</i>	

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