
Open Loyalty

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Open Loyalty is technology for loyalty solutions for starting new loyalty projects based on the [Symfony Framework](#).

Note: This documentation assumes you have a working knowledge of the Symfony Framework. If you're not familiar with Symfony, please start with reading the [Quick Tour](#) from the Symfony documentation.

The Developer's Guide contains information for developers who want to know more about Open Loyalty architecture and used concepts. This guide helps to understand how Open Loyalty works.

1.1 The Developer's Guide

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1.1.1 Introduction

Introduction

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- [/developer/introduction/about](#)
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1.1.2 Installation

Installation

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1.1.3 Architecture

Architecture

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Configuration

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The Open Loyalty's Cookbook is a collection of solution articles helping you with some specific, narrow problems.

2.1 The Cookbook

The Open Loyalty's Cookbook is a collection of solution articles helping you with some specific, narrow problems.

2.1.1 Introduction

- `/cookbook/create_a_new_bundle`
- `/cookbook/create_a_new_api_endpoint`
- `/cookbook/how_to_change_domain`
- `/cookbook/FAQ`

2.1.2 User Guide

We give you a manual to Open Loyalty platform. This manual is intended to help you get the most out of your Loyalty program in your day-to-day use.

We hope you will enjoy this powerful addition to your business, and we thank you for becoming a part of the Open Loyalty community of platform creators!

To see document please click [here](#).

The REST API Reference

The API guide covers the REST API of Open Loyalty platform.

3.1 The REST API Reference

3.1.1 Introduction to Open Loyalty REST API

This part of the documentation is about RESTful JSON API for the Open Loyalty platform.

Note: To use this documentation should have some basic knowledge of [REST APIs](#).

3.1.2 Authorization

This part of the documentation is about an authorization process in Open Loyalty platform through API. Open Loyalty uses two types of authorization, JSON Web Token and permanent API Token. In order to check this configuration, please set up your local copy of the Open Loyalty platform and change *localhost* to your address.

JSON Web Token

Open Loyalty has the JWT authorization configured.

To learn what is JSON Web Token and how does it work - check out *Introduction to JSON Web Tokens* <<https://jwt.io/introduction/>>

Note: The JWT authorization process is used by frontend applications.

Open Loyalty

Obtain an access token

Send the request with the following parameters:

Definition

```
POST /api/<user_type>/login_check
```

Parameter	Parameter type	Description
_username	request	For <user_type>=admin use username, for <user_type>=customer use e-mail address or loyalty card number or phone number, for <user_type>=seller use e-mail address
_password	request	User password
<user_type>	query	Use one of: admin, customer, seller

Note: Each user type has different permissions to call API methods.

Example

```
curl http://localhost:8181/api/admin/login_check
-H 'Content-Type: application/json;charset=UTF-8'
-H 'Accept: application/json, text/plain, */*'
--data-binary '{"_username": "admin", "_password": "open"}'
```

Exemplary Response

```
{
  "token": "eyJhbGciOiJSUzI1NiIsInR5cCI6IiJ0eS...",
  "refresh_token": "0558f8bb29948c4e54c443f..."
}
```

Note: Token and refresh token has been shorten for the documentation purpose by suspension points.

Using JSON Web Token

Add authorization header to each request

```
Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IiJ0eS...
```

You can now access any API method you want under /api prefix.

Example

```
curl http://localhost:8181/api/admin/analytics/customers \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Permanent token

Permanent token is a constant string value assigned to the admin account in the Open Loyalty or constant value which is not related to real user and is stored in configuration.

Creating a permanent token in configuration

In order to activate configuration access token you need to add to parameters.yml value

```
parameters:
  master_api_key: 371BBCF483524FD5A837B4095F7FBE96AFD46B678C0F025D5EED0316FD5D7762
```

Creating a permanent user token

Send request with the following parameters

Definition

```
POST /api/admin/data
```

Parameter	Parameter type	Description
admin[firstName]	request	First name
admin[lastName]	request	Last name
admin[phone]	request	Phone number
admin[email]	request	E-mail address (required)
admin[plainPassword]	request	Plain password (required if admin[external]=0)
admin[external]	request	Allows to define permanent token. Set 1 if true, otherwise 0
admin[apiKey]	request	Permanent token (required if admin[external]=1)
admin[isActive]	request	Set account active. Set 1 if active, otherwise 0

Example

```
curl http://localhost:8181/api/admin/data \
-X "POST" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..." \
-d "admin[email]=administrator@example.com" \
-d "admin[external]=1" \
```

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```
-d "admin[apiKey]=customPermanentToken" \  
-d "admin[isActive]=1"
```

Exemplary Response

```
STATUS: 200 OK
```

Exemplary Fail Response

```
STATUS: 400 Bad Request
```

```
{  
  "form": {  
    "children": {  
      "firstName": {},  
      "lastName": {},  
      "phone": {},  
      "email": {  
        "errors": [  
          "This value is already used."  
        ]  
      },  
      "plainPassword": {},  
      "external": {},  
      "apiKey": {  
        "errors": [  
          "This value should not be blank."  
        ]  
      },  
      "isActive": {}  
    }  
  },  
  "errors": []  
}
```

Create a permanent user token using the Admin Cockpit

Create a new account in the administration panel.

Note: The administration panel is available at <http://localhost:8182/>. To log in, use standard username “admin” and password “open”.

Mark a new account as “external” and provide “Api key”.

Add user

Create user

Name	<input type="text" value="test"/>
Surname	<input type="text" value="test"/>
Active	<input type="text" value="Active"/> ▼
Phone	<input type="text"/>
E-mail*	<input type="text" value="test@openloyalty.io"/>
External	<input checked="" type="checkbox"/>
Api key*	<input type="text" value="123456789"/>

SAVE
CANCEL

How to use permanent token

Permanent token can be provided using headers or query parameter.

Using header

```
curl http://localhost:8181/api/admin \
  -X "GET" -H "Accept: application/json" \
  -H "Content-type: application/x-www-form-urlencoded" \
  -H "X-AUTH-TOKEN: customPermanentToken"
```

Using query parameter

```
curl http://localhost:8181/api/admin?auth_token=customPermanentToken \
  -X "GET" -H "Accept: application/json" \
  -H "Content-type: application/x-www-form-urlencoded" \
```

3.1.3 Admin Users API

These endpoints will allow you to easily manage admin users.

Creating an Admin User

To create a new admin user you will need to call the `/api/admin/data` endpoint with the `POST` method.

Definition

```
POST /api/admin/data
```


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```

    "email": {},
    "plainPassword": {},
    "external": {},
    "apiKey": {},
    "isActive": {}
  }
},
"errors": []
}

```

Getting a Single Admin User

To retrieve the details of an admin user you will need to call the `/api/admin/data/{admin}` endpoint with the GET method.

Definition

```
GET /api/admin/data/<admin>
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<admin>	query	Id of the admin user

Example

To see the details of the admin user with `admin = 22200000-0000-474c-b092-b0dd880c07e2` use the below method:

```

curl http://localhost:8181/api/admin/data/22200000-0000-474c-b092-b0dd880c07e2
-X "GET" -H "Accept: application/json"
-H "Content-type: application/x-www-form-urlencoded"
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I..

```

Exemplary Response

```
STATUS: 200 OK
```

```

{
  "id": "22200000-0000-474c-b092-b0dd880c07e2",
  "username": "admin",
  "isActive": true,
  "createAt": "2017-09-21T13:54:04+0200",
  "email": "admin@oloy.com",
  "external": false,
  "dtype": "admin"
}

```


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```

    "isActive": true,
    "createAt": "2017-09-21T13:54:04+0200",
    "email": "admin@oloy.com",
    "external": false,
    "dtype": "admin"
  },
  {
    "id": "4383c58e-ff64-4e03-8364-5b716cb3e9e5",
    "username": "4383c58e-ff64-4e03-8364-5b716cb3e9e5",
    "isActive": true,
    "createAt": "2017-09-25T09:33:45+0200",
    "email": "administrato123r@example.com",
    "external": true,
    "apiKey": "customPernamentToken123",
    "dtype": "admin"
  }
],
"total": 3
}

```

Updating an Admin User

To fully update an admin user you will need to call the `/api/admin/data/<admin>` endpoint with the PUT method.

Definition

```
PUT /api/admin/data/<admin>
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
admin[firstName]	request	First name
admin[lastName]	request	Last name
admin[phone]	request	Phone number
admin[email]	request	E-mail address (required)
admin[plainPassword]	request	Plain password (required if admin[external]=0)
admin[external]	request	Allows to define permanent token. Set 1 if true, otherwise 0
admin[apiKey]	request	Permanent token (required if admin[external]=1)
admin[isActive]	request	Set account active. Set 1 if active, otherwise 0

Example

To fully update the admin user with `id = 22200000-0000-474c-b092-b0dd880c07e2` use the below method:

```

curl http://localhost:8181/api/admin/data/01b7a62a-640a-4c24-b182-c9f2852cae71 \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IiJ9..." \

```

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```
-X "PUT" \  
-d "admin[firstName]=first+name" \  
-d "admin[lastName]=last+name" \  
-d "admin[phone]=0000000000" \  
-d "admin[email]=administrator@example.com" \  
-d "admin[plainPassword]=newPassword12!" \  
-d "admin[external]=0" \  
-d "admin[isActive]=0"
```

Exemplary Response

```
STATUS: 200 OK
```

Warning: Remember, you must update the whole data of the admin user. If you don't want to change e-mail address, you must pass current value.

Tip: It's not possible to delete an admin user. Set `isActive=0` if you want to disable access to the Open Loyalty.

Example

```
curl http://localhost:8181/api/admin/data/01b7a62a-640a-4c24-b182-c9f2852cae71 \  
-H "Accept: application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IiI6..." \  
-X "PUT"
```

Exemplary Response

```
STATUS: 400 Bad Request
```

```
{  
  "form": {  
    "children": {  
      "firstName": {},  
      "lastName": {},  
      "phone": {},  
      "email": {},  
      "plainPassword": {},  
      "external": {},  
      "apiKey": {},  
      "isActive": {}  
    }  
  },  
  "errors": []  
}
```


Example

```
curl http://localhost:8181/api/admin/analytics/points \  
-X "GET" \  
-H "Accept: application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IiI6..."
```

Exemplary Response

```
STATUS: 200 OK
```

```
{  
  "totalSpendingTransfers": 1,  
  "totalPointsSpent": 100  
}
```

Getting an information about referrals

To retrieve the details of referrals you will need to call the `/api/admin/analytics/referrals` endpoint with the GET method.

Definition

```
GET /api/admin/analytics/referrals
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication

Example

```
curl http://localhost:8181/api/admin/analytics/referrals \  
-X "GET" \  
-H "Accept: application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IiI6..."
```

Exemplary Response

```
STATUS: 200 OK
```

```
{  
  "total": 4,  
  "totalCompleted": 0,  
  "totalRegistered": 0  
}
```

Getting an information about transactions

To retrieve an information about transactions you will need to call the `/api/admin/analytics/transactions` endpoint with the GET method.

Definition

```
GET /api/admin/analytics/transactions
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication

Example

```
curl http://localhost:8181/api/admin/analytics/transactions \
-X "GET" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IiJ6..."
```

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "total": 2,
  "amount": 6,
  "amountWithoutDeliveryCosts": 6,
  "currency": "eur"
}
```

3.1.5 Audit API

These endpoints will allow you to see the list of actions taken in the Open Loyalty.

Getting log

To retrieve action log you will need to call the `/api/audit/log` endpoint with the GET method.

Definition

```
GET /api/audit/log
```


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```

"entityId": "00000000-0000-474c-b092-b0dd880c07e1",
"username": "<notlogged>",
"data": {
  "firstName": "John",
  "lastName": "Doe",
  "gender": "male",
  "phone": "11111",
  "email": "user@oloy.com",
  "birthDate": 653011200,
  "createdAt": 1470646394,
  "company": {
    "name": "test",
    "nip": "nip"
  },
  "loyaltyCardNumber": "000000",
  "address": {
    "street": "Dmowskiego",
    "address1": "21",
    "city": "Wrocław",
    "country": "pl",
    "postal": "50-300",
    "province": "Dolnośląskie"
  }
}
},
],
"total": 92
}

```

Example

```

curl http://localhost:8181/api/audit/log \
  -G \
  -X "GET" \
  -H "Accept: application/json" \
  -H "Content-type: application/x-www-form-urlencoded" \
  -H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IiI6..." \
  -d "entityType=customer" \
  -d "page=2" \
  -d "perPage=2" \
  -d "sort=username" \
  -d "direction=DESC"

```

Exemplary Response

```
STATUS: 200 OK
```

```

{
  "logs": [
    {
      "auditLogId": {
        "auditLogId": "b6781066-a292-4043-bd14-52998ee10691"
      }
    }
  ]
}

```

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```
    },
    "createdAt": "2017-09-21T13:54:05+0200",
    "eventType": "ActivateCustomer",
    "entityType": "customer",
    "entityId": "00000000-0000-474c-b092-b0dd880c07e1",
    "username": "<notlogged>",
    "data": []
  },
  {
    "auditLogId": {
      "auditLogId": "4574e09b-280c-4e5d-bdd2-327589c714da"
    },
    "createdAt": "2017-09-21T13:54:05+0200",
    "eventType": "MoveCustomerToLevel",
    "entityType": "customer",
    "entityId": "00000000-0000-474c-b092-b0dd880c07e2",
    "username": "<notlogged>",
    "data": [
      "000096cf-32a3-43bd-9034-4df343e5fd93"
    ]
  }
],
"total": 92
}
```

3.1.6 Reward Campaigns API

These endpoints will allow you to easily manage Reward Campaigns.

Note: Each role in the Open Loyalty has individual endpoints to manage reward campaigns.

Create a new campaign

To create a new campaign you will need to call the `/api/campaign` endpoint with the `POST` method.

Definition

```
POST /api/campaign
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
campaign[reward]	request	Campaign type. Possible types: discount_code, free_delivery_code, gift_code, event_code, value_code.
campaign[name]	request	Campaign name.
campaign[shortDescription]	request	<i>(optional)</i> A short description.
campaign[conditionsDescription]	request	<i>(optional)</i> A description of required conditions to apply.
campaign[usageInstruction]	request	A short information about how to use coupons.
campaign[active]	request	Set 1 if active, otherwise 0
campaign[costInPoints]	request	How many points it costs
campaign[target]	request	Set level to choose target from defined levels. Set segment to choose target from defined segments
campaign[levels]	request	Array of level IDs. <i>(required only if "target=level")</i>
campaign[segments]	request	Array of segment IDs. <i>(required only if "target=segment")</i>
campaign[labels]	request	<i>(optional)</i> Informational labels in format "key:value;key1:value1"
campaign[unlimited]	request	Set 1 if unlimited, otherwise 0
campaign[singleCoupon]	request	Set 1 if single coupon, otherwise 0
campaign[limit]	request	Global campaign usage limit. <i>(required only if "unlimited=0")</i>
campaign[limitPerUser]	request	Customer campaign usage limit. <i>(required only if "unlimited=0")</i>
campaign[coupons]	request	Array of coupon codes.
campaign[campaignVisibility][allTimeVisible]	request	Set 1 if always visible, otherwise 0
campaign[campaignVisibility][visibleFrom]	request	Campaign visible from YYYY-MM-DD HH:mm, for example 2017-10-05 10:59. <i>(required only if "allTimeVisible=0")</i>
campaign[campaignVisibility][visibleTo]	request	Campaign visible to YYYY-MM-DD HH:mm, for example 2017-10-05 10:59. <i>(required only if "allTimeVisible=0")</i>
campaign[campaignActivity][allTimeActive]	request	Set 1 if always active, otherwise 0
campaign[campaignActivity][activeFrom]	request	Campaign active from YYYY-MM-DD HH:mm, for example 2017-10-05 10:59. <i>(required only if "allTimeActive=0")</i>
campaign[campaignActivity][activeTo]	request	Campaign visible to YYYY-MM-DD HH:mm, for example 2017-10-05 10:59. <i>(required only if "allTimeVisible=0")</i>

Example

```
curl http://localhost:8181/api/campaign \
-X "POST" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6Ii..." \
-d "campaign[reward]=discount_code" \
-d "campaign[name]=Discount+Code+Campaign" \
-d "campaign[shortDescription]=A+short+description+of+discount+code+campaign" \
-d "campaign[conditionsDescription]=Discount+code+for+registration" \
-d "campaign[usageInstruction]=Use+discount+code+as+you+like" \
-d "campaign[active]=1" \
```

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```
-d "campaign[costInPoints]=100" \  
-d "campaign[target]=level" \  
-d "campaign[labels]=type:promotion;type:cashback" \  
-d "campaign[levels][0]=e82c96cf-32a3-43bd-9034-4df343e5fd94" \  
-d "campaign[levels][1]=000096cf-32a3-43bd-9034-4df343e5fd94" \  
-d "campaign[unlimited]=0" \  
-d "campaign[singleCoupon]=0" \  
-d "campaign[limit]=10" \  
-d "campaign[limitPerUser]=1" \  
-d "campaign[coupons][0]=testCoupon" \  
-d "campaign[coupons][1]=DiscountCoupon" \  
-d "campaign[campaignVisibility][allTimeVisible]=0" \  
-d "campaign[campaignVisibility][visibleFrom]=2017-10-05+10:59" \  
-d "campaign[campaignVisibility][visibleTo]=2018-10-05+10:59" \  
-d "campaign[campaignActivity][allTimeActive]=0" \  
-d "campaign[campaignActivity][activeFrom]=2017-09-05+10:59" \  
-d "campaign[campaignActivity][activeTo]=2017-12-05+10:59"
```

Note: The *eyJhbGciOiJSUzI1NiIsInR5cCI6...* authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The *e82c96cf-32a3-43bd-9034-4df343e5fd94* or *000096cf-32a3-43bd-9034-4df343e5fd94* id are an exemplary values. Your value can be different. Check in the list of all levels if you are not sure which id should be used.

Note: The *testCoupon* or *DiscountCoupon* are an exemplary values. You can name code coupons as you like.

Exemplary Response

```
STATUS: 200 OK
```

```
{  
  "campaignId": "3062c881-93f3-496b-9669-4238c0a62be8"  
}
```

Example

```
curl http://localhost:8181/api/campaign \  
-X "POST" \  
-H "Accept: application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: The *eyJhbGciOiJSUzI1NiIsInR5cCI6...* authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

STATUS: 400 Bad Request

```
{
  "form": {
    "children": {
      "reward": {},
      "name": {},
      "shortDescription": {},
      "conditionsDescription": {},
      "usageInstruction": {},
      "active": {},
      "costInPoints": {},
      "target": {},
      "levels": {},
      "segments": {},
      "unlimited": {},
      "singleCoupon": {},
      "limit": {},
      "limitPerUser": {},
      "coupons": {},
      "campaignVisibility": {
        "children": {
          "allTimeVisible": {},
          "visibleFrom": {},
          "visibleTo": {}
        }
      },
      "campaignActivity": {
        "children": {
          "allTimeActive": {},
          "activeFrom": {},
          "activeTo": {}
        }
      }
    }
  },
  "errors": []
}
```

Get the collection of campaigns

To retrieve a paginated list of campaigns you will need to call the `/api/campaign` endpoint with the GET method.

Definition

GET `/api/campaign`

Open Loyalty

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
labels	request	<i>(optional)</i> Array of labels with key and/or value ie. labels[0][key]=key&labels[0][value]=value
page	query	<i>(optional)</i> Start from page, by default 1
perPage	query	<i>(optional)</i> Number of items to display per page, by default = 10
sort	query	<i>(optional)</i> Sort by column name
direction	query	<i>(optional)</i> Direction of sorting [ASC, DESC], by default = ASC
format	query	<i>(optional)</i> Format of descriptions [html]. Default is RAW.

To see the first page of all campaigns use the below method:

Example

```
curl http://localhost:8181/api/campaign \
-X "GET" -H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: In below example you can get all Reward Campaigns that have label with key and value. You can filter only by label's key or value if you want and specify as many condition as you want.

```
curl http://localhost:8181/api/campaign?labels[0][key]=key&labels[0][value]=value \
-X "GET" -H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.."
```

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "campaigns": [
    {
      "levels": [
        "000096cf-32a3-43bd-9034-4df343e5fd94"
      ],
      "segments": [
        "00000000-0000-0000-0000-000000000002"
      ],
      "coupons": [
        "123"
      ]
    }
  ]
}
```

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```

    ],
    "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd93",
    "reward": "discount_code",
    "name": "tests",
    "active": true,
    "costInPoints": 10,
    "singleCoupon": false,
    "unlimited": false,
    "limit": 10,
    "limitPerUser": 2,
    "campaignActivity": {
      "allTimeActive": false,
      "activeFrom": "2016-01-01T00:00:00+0100",
      "activeTo": "2018-01-01T00:00:00+0100"
    },
    "campaignVisibility": {
      "allTimeVisible": false,
      "visibleFrom": "2016-01-01T00:00:00+0100",
      "visibleTo": "2018-01-01T00:00:00+0100"
    },
    "segmentNames": {
      "00000000-0000-0000-0000-000000000002": "anniversary"
    },
    "levelNames": {
      "000096cf-32a3-43bd-9034-4df343e5fd94": "level2"
    },
    "labels": [
      {
        "key": "type",
        "value": "promotion"
      }
    ],
    "usageLeft": 1,
    "visibleForCustomersCount": 0,
    "usersWhoUsedThisCampaignCount": 0,
    "hasPhoto": false
  },
  {
    "levels": [
      "000096cf-32a3-43bd-9034-4df343e5fd94"
    ],
    "segments": [
      "00000000-0000-0000-0000-000000000002"
    ],
    "coupons": [
      "123"
    ],
    "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd92",
    "reward": "discount_code",
    "name": "for test",
    "active": false,
    "costInPoints": 10,
    "singleCoupon": false,
    "unlimited": false,
    "limit": 10,
    "limitPerUser": 2,
    "campaignActivity": {

```

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```

    "allTimeActive": false,
    "activeFrom": "2016-01-01T00:00:00+0100",
    "activeTo": "2018-01-01T00:00:00+0100"
  },
  "campaignVisibility": {
    "allTimeVisible": false,
    "visibleFrom": "2016-01-01T00:00:00+0100",
    "visibleTo": "2018-01-01T00:00:00+0100"
  },
  "segmentNames": {
    "00000000-0000-0000-0000-000000000002": "anniversary"
  },
  "levelNames": {
    "000096cf-32a3-43bd-9034-4df343e5fd94": "level2"
  },
  "will_be_active_from": "2016-01-01T00:00:00+0100",
  "will_be_active_to": "2018-01-01T00:00:00+0100",
  "usageLeft": 1,
  "visibleForCustomersCount": 0,
  "usersWhoUsedThisCampaignCount": 0,
  "hasPhoto": false
},
{
  "levels": [
    "e82c96cf-32a3-43bd-9034-4df343e5fd94",
    "000096cf-32a3-43bd-9034-4df343e5fd94"
  ],
  "segments": [],
  "coupons": [
    "testCoupon",
    "DiscountCoupon"
  ],
  "campaignId": "3062c881-93f3-496b-9669-4238c0a62be8",
  "reward": "discount_code",
  "name": "Discount Code Campaign",
  "shortDescription": "A short description of discount code campaign",
  "conditionsDescription": "Discount code for registration",
  "active": true,
  "costInPoints": 100,
  "singleCoupon": false,
  "unlimited": false,
  "limit": 10,
  "limitPerUser": 1,
  "campaignActivity": {
    "allTimeActive": false,
    "activeFrom": "2017-09-05T10:59:00+0200",
    "activeTo": "2017-12-05T10:59:00+0100"
  },
  "campaignVisibility": {
    "allTimeVisible": false,
    "visibleFrom": "2017-10-05T10:59:00+0200",
    "visibleTo": "2018-10-05T10:59:00+0200"
  },
  "usageInstruction": "Use discount code as you like",
  "segmentNames": [],
  "levelNames": {
    "e82c96cf-32a3-43bd-9034-4df343e5fd94": "level1",

```

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```
    "000096cf-32a3-43bd-9034-4df343e5fd94": "level2"  
  },  
  "usageLeft": 2,  
  "visibleForCustomersCount": 0,  
  "usersWhoUsedThisCampaignCount": 0,  
  "hasPhoto": false  
}  
],  
"total": 3  
}
```

Update a campaign

To fully update a campaign user you will need to call the `/api/campaign/<campaign>` endpoint with the PUT method.

Definition

```
PUT /api/campaign/<campaign>
```


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```

-d "campaign[shortDescription]=A+short+description+of+discount+code+campaign" \
-d "campaign[conditionsDescription]=Discount+code+for+registration" \
-d "campaign[usageInstruction]=Use+discount+code+as+you+like" \
-d "campaign[active]=1" \
-d "campaign[costInPoints]=100" \
-d "campaign[target]=level" \
-d "campaign[labels]=type:promotion;type:cashback" \
-d "campaign[levels][0]=e82c96cf-32a3-43bd-9034-4df343e5fd94" \
-d "campaign[levels][1]=000096cf-32a3-43bd-9034-4df343e5fd94" \
-d "campaign[unlimited]=0" \
-d "campaign[singleCoupon]=0" \
-d "campaign[limit]=10" \
-d "campaign[limitPerUser]=1" \
-d "campaign[coupons][0]=testCoupon" \
-d "campaign[coupons][1]=DiscountCoupon" \
-d "campaign[campaignVisibility][allTimeVisible]=0" \
-d "campaign[campaignVisibility][visibleFrom]=2017-10-05+10:59" \
-d "campaign[campaignVisibility][visibleTo]=2018-10-05+10:59" \
-d "campaign[campaignActivity][allTimeActive]=0" \
-d "campaign[campaignActivity][activeFrom]=2017-09-05+10:59" \
-d "campaign[campaignActivity][activeTo]=2017-12-05+10:59"

```

Warning: Remember, you must update the whole data of the campaign.

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `e82c96cf-32a3-43bd-9034-4df343e5fd94` or `000096cf-32a3-43bd-9034-4df343e5fd94` id are an exemplary values. Your value can be different. Check in the list of all levels if you are not sure which id should be used.

Note: The `testCoupon` or `DiscountCoupon` are an exemplary values. You can name code coupons as you like.

Exemplary Response

STATUS: 200 OK

```

{
  "campaignId": "3062c881-93f3-496b-9669-4238c0a62be8"
}

```

Get campaign details

To retrieve the details of a campaign you will need to call the `/api/campaign/{campaign}` endpoint with the GET method.

Open Loyalty

Definition

```
GET /api/campaign/<campaign>
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<campaign>	query	Id of the campaign
format query (optional) Format of descriptions [html]. Default is RAW.		

Example

To see the details of the admin user with `campaign = 3062c881-93f3-496b-9669-4238c0a62be8` use the below method:

```
curl http://localhost:8181/api/campaign/3062c881-93f3-496b-9669-4238c0a62be8 \
-X "GET" -H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `3062c881-93f3-496b-9669-4238c0a62be8` id is an exemplary value. Your value can be different. Check in the list of all admin users if you are not sure which id should be used.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "levels": [
    "e82c96cf-32a3-43bd-9034-4df343e5fd94",
    "000096cf-32a3-43bd-9034-4df343e5fd94"
  ],
  "segments": [],
  "coupons": [
    "testCoupon",
    "DiscountCoupon"
  ],
  "campaignId": "3062c881-93f3-496b-9669-4238c0a62be8",
  "reward": "discount_code",
  "name": "Discount Code Campaign 1",
  "shortDescription": "A short description of discount code campaign",
  "conditionsDescription": "Discount code for registration",
  "active": true,
  "costInPoints": 100,
}
```

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```

"singleCoupon": false,
"unlimited": false,
"limit": 10,
"limitPerUser": 1,
"campaignActivity": {
  "allTimeActive": false,
  "activeFrom": "2017-09-05T10:59:00+0200",
  "activeTo": "2017-12-05T10:59:00+0100"
},
"campaignVisibility": {
  "allTimeVisible": false,
  "visibleFrom": "2017-10-05T10:59:00+0200",
  "visibleTo": "2018-10-05T10:59:00+0200"
},
"labels": [
  {
    "key": "type",
    "value": "promotion"
  }
],
"usageInstruction": "Use discount code as you like",
"segmentNames": [],
"levelNames": {
  "e82c96cf-32a3-43bd-9034-4df343e5fd94": "level1",
  "000096cf-32a3-43bd-9034-4df343e5fd94": "level2"
},
"usageLeft": 2,
"visibleForCustomersCount": 0,
"usersWhoUsedThisCampaignCount": 0,
"hasPhoto": false
}

```

Get available campaign for a customer

To check which campaigns are available for a specific customer you will need to call the `/api/admin/customer/<customer>/campaign/available` endpoint with the GET method.

Definition

```
GET /api/admin/customer/<customer>/campaign/available
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<customer>	query	Customer ID
page	query	(optional) Start from page, by default 1
perPage	query	(optional) Number of items to display per page, by default = 10
sort	query	(optional) Sort by column name
direction	query	(optional) Direction of sorting [ASC, DESC], by default = ASC

Open Loyalty

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `000096cf-32a3-43bd-9034-4df343e5fd93` id is an exemplary value. Your value can be different. Check in the list of all campaigns if you are not sure which id should be used.

Note: The `00000000-0000-474c-b092-b0dd880c07e2` id is an exemplary value. Your value can be different. Check in the list of all customers if you are not sure which id should be used.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "coupon": {
    "code": "123"
  }
}
```

Check campaign visibility for the customers

To check reward campaign visibility for the customers you will need to call the `/api/campaign/<campaign>/customers/visible` endpoint with the GET method.

Definition

```
GET /api/campaign/<campaign>/customers/visible
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<campaign>	query	Campaign ID

Example

To check reward campaign visibility for the customers `campaign = 000096cf-32a3-43bd-9034-4df343e5fd93` use the below method:

```
curl http://localhost:8181/api/campaign/000096cf-32a3-43bd-9034-4df343e5fd93/
↳customers/visible \
  -X "GET" \
  -H "Accept: application/json" \
  -H "Content-type: application/x-www-form-urlencoded" \
  -H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```


Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6IiwiaXNja343e5fd93`... authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `campaign = 000096cf-32a3-43bd-9034-4df343e5fd93` id is an exemplary value. Your value can be different. Check in the list of all campaigns if you are not sure which id should be used.

Exemplary Response

STATUS: 200 OK

```
{
  "customers": [
    {
      "customerId": "00000000-0000-474c-b092-b0dd880c07e1",
      "active": true,
      "firstName": "John",
      "lastName": "Doe",
      "gender": "male",
      "email": "user@oloy.com",
      "phone": "11111",
      "birthDate": "1990-09-11T02:00:00+0200",
      "createdAt": "2016-08-08T10:53:14+0200",
      "levelId": "000096cf-32a3-43bd-9034-4df343e5fd93",
      "agreement1": false,
      "agreement2": false,
      "agreement3": false,
      "updatedAt": "2017-09-21T13:54:04+0200",
      "campaignPurchases": [],
      "transactionsCount": 1,
      "transactionsAmount": 3,
      "transactionsAmountWithoutDeliveryCosts": 3,
      "amountExcludedForLevel": 0,
      "averageTransactionAmount": 3,
      "lastTransactionDate": "2017-09-22T13:54:08+0200",
      "currency": "eur",
      "levelPercent": "14.00%"
    },
    {
      "customerId": "00000000-0000-474c-b092-b0dd880c07e2",
      "active": true,
      "firstName": "Jane",
      "lastName": "Doe",
      "gender": "male",
      "email": "user-temp@oloy.com",
      "phone": "111112222",
      "birthDate": "1990-09-11T00:00:00+0200",
      "address": {
        "street": "Test",
        "address1": "1",
        "province": "Mazowieckie",
        "city": "Warszawa",
        "postal": "00-000",
      }
    }
  ]
}
```

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```

    "country": "PL"
  },
  "loyaltyCardNumber": "0000",
  "createdAt": "2016-08-08T10:53:14+0200",
  "levelId": "e82c96cf-32a3-43bd-9034-4df343e5fd94",
  "manuallyAssignedLevelId": {
    "levelId": "e82c96cf-32a3-43bd-9034-4df343e5fd94"
  },
  "agreement1": true,
  "agreement2": false,
  "agreement3": false,
  "updatedAt": "2017-10-02T11:49:25+0200",
  "campaignPurchases": [
    {
      "purchaseAt": "2017-10-02T12:03:34+0200",
      "costInPoints": 10,
      "campaignId": {
        "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd93"
      },
      "used": false,
      "coupon": {
        "code": "123"
      }
    }
  ],
  "transactionsCount": 1,
  "transactionsAmount": 3,
  "transactionsAmountWithoutDeliveryCosts": 3,
  "amountExcludedForLevel": 0,
  "averageTransactionAmount": 3,
  "lastTransactionDate": "2017-09-22T13:54:08+0200",
  "currency": "eur",
  "levelPercent": "15.00%"
}
],
"total": 2
}

```

Get campaign's photo

To get campaign's photo you will need to call the `/api/campaign/<campaign>/photo` endpoint with the GET method.

Definition

```
GET /api/campaign/<campaign>/photo
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<campaign>	query	Campaign ID

Example

To get campaign's photo campaign = 000096cf-32a3-43bd-9034-4df343e5fd93 use the below method:

```
curl http://localhost:8181/api/campaign/000096cf-32a3-43bd-9034-4df343e5fd93/photo \
-X "POST" \
-H "Accept: application/json" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I..\" \
-d "photo[file]=C:\fakepath\Photo.png"
```

Note: The *eyJhbGciOiJSUzI1NiIsInR5cCI6I..* authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The *campaign = 000096cf-32a3-43bd-9034-4df343e5fd93* id is an exemplary value. Your value can be different. Check in the list of all campaigns if you are not sure which id should be used.

Note: The *photo[file]=C:\fakepath\Photo.png* is an exemplary value. Your value can be different.

Exemplary Response

```
STATUS: 200 OK
```

Change campaign's status

To make campaign active or inactive you will need to call the `/api/campaign/<campaign>/<status>` endpoint with the POST method.

Definition

```
POST /api/campaign/<campaign>/<status>
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<campaign>	query	Campaign ID
<status>	query	Possible values: active, inactive

Example

To make campaign active campaign = 000096cf-32a3-43bd-9034-4df343e5fd93 use the below method:

Exemplary Not Found Response

```
STATUS: 404 Not Found
```

```
{
  "error": {
    "code": 404,
    "message": "Not Found"
  }
}
```

Get campaign collection (seller)

To retrieve a paginated list of campaigns you will need to call the `/api/seller/campaign` endpoint with the GET method.

Definition

```
GET /api/seller/campaign
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
page	query	(optional) Start from page, by default 1
perPage	query	(optional) Number of items to display per page, by default = 10
sort	query	(optional) Sort by column name
direction	query	(optional) Direction of sorting [ASC, DESC], by default = ASC

To see the first page of all campaigns use the below method:

Example

```
curl http://localhost:8181/api/seller/campaign \
-X "GET" -H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.."
```

Note: When you will use endpoints starting with `/api/seller` you need to authorize using seller account credentials.

Note: As a seller you will receive less amount of information about campaign than an administrator.

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

STATUS: 200 OK

```

{
  "campaigns": [
    {
      "levels": [
        "000096cf-32a3-43bd-9034-4df343e5fd93",
        "e82c96cf-32a3-43bd-9034-4df343e5fd94",
        "000096cf-32a3-43bd-9034-4df343e5fd94"
      ],
      "segments": [],
      "coupons": [
        "123"
      ],
      "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd93",
      "reward": "discount_code",
      "name": "tests",
      "active": true,
      "costInPoints": 10,
      "singleCoupon": false,
      "unlimited": false,
      "limit": 10,
      "limitPerUser": 2,
      "campaignActivity": {
        "allTimeActive": false,
        "activeFrom": "2016-01-01T00:00:00+0100",
        "activeTo": "2018-01-01T00:00:00+0100"
      },
      "campaignVisibility": {
        "allTimeVisible": false,
        "visibleFrom": "2016-01-01T00:00:00+0100",
        "visibleTo": "2018-01-01T00:00:00+0100"
      },
      "segmentNames": [],
      "levelNames": {
        "000096cf-32a3-43bd-9034-4df343e5fd93": "level0",
        "e82c96cf-32a3-43bd-9034-4df343e5fd94": "level1",
        "000096cf-32a3-43bd-9034-4df343e5fd94": "level2"
      },
      "labels": [
        {
          "key": "type",
          "value": "promotion"
        }
      ],
      "usageLeft": 0,
      "visibleForCustomersCount": 2,
      "usersWhoUsedThisCampaignCount": 1
    },
    {
      "levels": [
        "000096cf-32a3-43bd-9034-4df343e5fd94"
      ],
      "segments": [
        "00000000-0000-0000-0000-000000000002"
      ]
    }
  ]
}

```

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```

    ],
    "coupons": [
      "123"
    ],
    "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd92",
    "reward": "discount_code",
    "name": "for test",
    "active": true,
    "costInPoints": 10,
    "singleCoupon": false,
    "unlimited": false,
    "limit": 10,
    "limitPerUser": 2,
    "campaignActivity": {
      "allTimeActive": false,
      "activeFrom": "2016-01-01T00:00:00+0100",
      "activeTo": "2018-01-01T00:00:00+0100"
    },
    "campaignVisibility": {
      "allTimeVisible": false,
      "visibleFrom": "2016-01-01T00:00:00+0100",
      "visibleTo": "2018-01-01T00:00:00+0100"
    },
    "segmentNames": {
      "00000000-0000-0000-0000-000000000002": "anniversary"
    },
    "levelNames": {
      "000096cf-32a3-43bd-9034-4df343e5fd94": "level2"
    },
    "usageLeft": 1,
    "visibleForCustomersCount": 0,
    "usersWhoUsedThisCampaignCount": 0
  }
],
"total": 2
}

```

Get campaign details (seller)

To retrieve the details of a campaign you will need to call the `/api/seller/campaign/{campaign}` endpoint with the GET method.

Definition

```
GET /api/seller/campaign/<campaign>
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<campaign>	query	Id of the campaign

Example

To see the details of the admin user with `campaign = 3062c881-93f3-496b-9669-4238c0a62be8` use the below method:

```
curl http://localhost:8181/api/seller/campaign/3062c881-93f3-496b-9669-4238c0a62be8 \
-X "GET" -H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: When you will use endpoints starting with `/api/seller` you need to authorize using seller account credentials.

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `3062c881-93f3-496b-9669-4238c0a62be8` id is an exemplary value. Your value can be different. Check in the list of all admin users if you are not sure which id should be used.

Exemplary Response

STATUS: 200 OK

```
{
  "levels": [
    "e82c96cf-32a3-43bd-9034-4df343e5fd94",
    "000096cf-32a3-43bd-9034-4df343e5fd94"
  ],
  "segments": [],
  "coupons": [
    "testCoupon",
    "DiscountCoupon"
  ],
  "campaignId": "3062c881-93f3-496b-9669-4238c0a62be8",
  "reward": "discount_code",
  "name": "Discount Code Campaign 1",
  "shortDescription": "A short description of discount code campaign",
  "conditionsDescription": "Discount code for registration",
  "active": true,
  "costInPoints": 100,
  "singleCoupon": false,
  "unlimited": false,
  "limit": 10,
  "limitPerUser": 1,
  "labels": [
    {
      "key": "type",
      "value": "promotion"
    }
  ]
}
```

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```

},
"campaignActivity": {
  "allTimeActive": false,
  "activeFrom": "2017-09-05T10:59:00+0200",
  "activeTo": "2017-12-05T10:59:00+0100"
},
"campaignVisibility": {
  "allTimeVisible": false,
  "visibleFrom": "2017-10-05T10:59:00+0200",
  "visibleTo": "2018-10-05T10:59:00+0200"
},
"usageInstruction": "Use discount code as you like",
"segmentNames": [],
"levelNames": {
  "e82c96cf-32a3-43bd-9034-4df343e5fd94": "level1",
  "000096cf-32a3-43bd-9034-4df343e5fd94": "level2"
},
"usageLeft": 2,
"visibleForCustomersCount": 0,
"usersWhoUsedThisCampaignCount": 0
}

```

Get available campaigns for a customer (seller)

To check which campaigns are available for a specific customer you will need to call the `/api/seller/customer/<customer>/campaign/available` endpoint with the GET method.

Definition

```
GET /api/seller/customer/<customer>/campaign/available
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<customer>	query	Customer ID
page	query	<i>(optional)</i> Start from page, by default 1
perPage	query	<i>(optional)</i> Number of items to display per page, by default = 10
sort	query	<i>(optional)</i> Sort by column name
direction	query	<i>(optional)</i> Direction of sorting [ASC, DESC], by default = ASC

Example

To see the list of campaigns for a customer with ID `customer = 00000000-0000-474c-b092-b0dd880c07e2` use the below method:

```

curl http://localhost:8181/api/seller/customer/00000000-0000-474c-b092-b0dd880c07e2/
↪campaign/available \
-X "GET" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IiI6Ij00MDA0MDA0LTA0MDA0LTQ3Ym05OTIuYm0dd880c07e2..."

```

Note: When you will use endpoints starting with `/api/seller` you need to authorize using seller account credentials.

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `00000000-0000-474c-b092-b0dd880c07e2` id is an exemplary value. Your value can be different. Check in the list of all customers if you are not sure which id should be used.

Exemplary Response

STATUS: 200 OK

```
{
  "campaigns": [
    {
      "levels": [
        "000096cf-32a3-43bd-9034-4df343e5fd93",
        "e82c96cf-32a3-43bd-9034-4df343e5fd94",
        "000096cf-32a3-43bd-9034-4df343e5fd94"
      ],
      "segments": [],
      "coupons": [
        "123"
      ],
      "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd93",
      "reward": "discount_code",
      "name": "tests",
      "active": true,
      "costInPoints": 10,
      "singleCoupon": false,
      "unlimited": false,
      "limit": 10,
      "limitPerUser": 2,
      "campaignActivity": {
        "allTimeActive": false,
        "activeFrom": "2016-01-01T00:00:00+0100",
        "activeTo": "2018-01-01T00:00:00+0100"
      },
      "campaignVisibility": {
        "allTimeVisible": false,
        "visibleFrom": "2016-01-01T00:00:00+0100",
        "visibleTo": "2018-01-01T00:00:00+0100"
      },
      "labels": [
        {
          "key": "type",
          "value": "promotion"
        }
      ],
    },
  ],
}
```

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Note: The `000096cf-32a3-43bd-9034-4df343e5fd93` id is an exemplary value. Your value can be different. Check in the list of all campaigns if you are not sure which id should be used.

Note: The `00000000-0000-474c-b092-b0dd880c07e2` id is an exemplary value. Your value can be different. Check in the list of all customers if you are not sure which id should be used.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "coupon": {
    "code": "123"
  }
}
```

3.1.7 Customer API

These endpoints will allow you to easily manage customers.

Note: Each role in the Open Loyalty has individual endpoints to manage customers.

Activate a customer

To activate a customer you need to call the `/api/admin/customer/{customer}/activate` endpoint with the POST method.

Definition

```
POST /api/admin/customer/{customer}/activate
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
customer	request	Customer's UUID

Example

```
curl http://localhost:8181/api/admin/customer/1bbafb37-b51b-47c5-b3e4-e0a2d028e655/
↪activate \
-X "POST" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IiJ6..."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `customer = 1bbafb37-b51b-47c5-b3e4-e0a2d028e655` id is an exemplary value. Your value can be different. Check in the list of all customers if you are not sure which id should be used.

Exemplary Response

```
STATUS: 200 OK
```

```
" "
```

Deactivate a customer

To deactivate a customer you need to call the `/api/admin/customer/{customer}/deactivate` endpoint with the POST method.

Definition

```
POST /api/admin/customer/{customer}/deactivate
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
customer	request	Customer's UUID

Example

```
curl http://localhost:8181/api/admin/customer/1bbafb37-b51b-47c5-b3e4-e0a2d028e655/
↳ deactivate \
  -X "POST" \
  -H "Accept: application/json" \
  -H "Content-type: application/x-www-form-urlencoded" \
  -H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `customer = 1bbafb37-b51b-47c5-b3e4-e0a2d028e655` id is an exemplary value. Your value can be different. Check in the list of all customers if you are not sure which id should be used.

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```

"expiredPoints": 0,
"level": "14.00%",
"levelName": "level0",
"nextLevel": "15.00%",
"nextLevelName": "level1",
"transactionsAmountWithoutDeliveryCosts": 0,
"transactionsAmountToNextLevel": 20,
"averageTransactionsAmount": "0.00",
"transactionsCount": 0,
"transactionsAmount": 0,
"currency": "eur"
}

```

Get customers

To get customers list you need to call the `/api/customer/` endpoint with the GET method.

Definition

```
POST /api/admin/customer/{customer}/status
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
firstName	request	<i>(optional)</i> Customer's first name
lastName	request	<i>(optional)</i> Customer's last name
phone	request	<i>(optional)</i> Customer's phone
email	request	<i>(optional)</i> Customer's email address
loyaltyCardNumber	request	<i>(optional)</i> Customer's loyalty card number
transactionsAmount	request	<i>(optional)</i> Customer's transactions amount
averageTransaction-Amount	request	<i>(optional)</i> Customer's average transaction amount
transactionsCount	request	<i>(optional)</i> Customer's transactions count
daysFromLastTransaction	request	<i>(optional)</i> Customers days from last transaction
hoursFromLastUpdate	request	<i>(optional)</i> Customer's hours from last update
strict	query	<i>(optional)</i> If true, search for exact value, otherwise like value For example 1, by default = 0
page	query	<i>(optional)</i> Start from page, by default 1
perPage	query	<i>(optional)</i> Number of items to display per page, by default = 10
sort	query	<i>(optional)</i> Sort by column name
direction	query	<i>(optional)</i> Direction of sorting [ASC, DESC]

Example

```
curl http://localhost:8181/api/customer \
-X "GET" \
```

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```
-H "Accept: application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```
{  
  "customers": [  
    {  
      "customerId": "41fd3247-2069-4677-8904-584f0ed9f6be",  
      "active": true,  
      "firstName": "test",  
      "lastName": "test",  
      "email": "test4@example.com",  
      "address": {},  
      "createdAt": "2018-02-02T11:39:17+0100",  
      "levelId": "000096cf-32a3-43bd-9034-4df343e5fd93",  
      "agreement1": true,  
      "agreement2": false,  
      "agreement3": false,  
      "updatedAt": "2018-02-02T11:39:28+0100",  
      "campaignPurchases": [],  
      "transactionsCount": 0,  
      "transactionsAmount": 0,  
      "transactionsAmountWithoutDeliveryCosts": 0,  
      "amountExcludedForLevel": 0,  
      "averageTransactionAmount": 0,  
      "currency": "eur",  
      "levelPercent": "14.00%"  
    },  
    {  
      "customerId": "142cbe32-da28-42d0-87aa-f93f3e1ebb91",  
      "active": true,  
      "firstName": "test",  
      "lastName": "test",  
      "email": "test3@example.com",  
      "address": {},  
      "createdAt": "2018-02-02T11:38:19+0100",  
      "levelId": "000096cf-32a3-43bd-9034-4df343e5fd93",  
      "agreement1": true,  
      "agreement2": false,  
      "agreement3": false,  
      "updatedAt": "2018-02-02T11:38:20+0100",  
      "campaignPurchases": [],  
      "transactionsCount": 0,  
      "transactionsAmount": 0,  
      "transactionsAmountWithoutDeliveryCosts": 0,  
    }  
  ]  
}
```

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```

    "amountExcludedForLevel": 0,
    "averageTransactionAmount": 0,
    "currency": "eur",
    "levelPercent": "14.00%"
  }
],
"total": 2
}

```

Example

```

curl http://localhost:8181/api/customer \
-X "GET" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.. ."
-d "email=oloy.com" \
-d "strict=0" \
-d "page=1" \
-d "perPage=2" \
-d "sort=customerId" \
-d "direction=asc"

```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I.. .` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

STATUS: 200 OK

```

{
  "customers": [
    {
      "customerId": "00000000-0000-474c-b092-b0dd880c07e2",
      "active": true,
      "firstName": "Jane",
      "lastName": "Doe",
      "gender": "male",
      "email": "user-temp@oloy.com",
      "phone": "111112222",
      "birthDate": "1990-09-11T02:00:00+0200",
      "address": {
        "street": "Bagno",
        "address1": "1",
        "province": "Mazowieckie",
        "city": "Warszawa",
        "postal": "00-000",
        "country": "PL"
      },
      "loyaltyCardNumber": "0000",
    }
  ],
}

```

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```

    "createdAt": "2016-08-08T10:53:14+0200",
    "levelId": "000096cf-32a3-43bd-9034-4df343e5fd93",
    "agreement1": false,
    "agreement2": false,
    "agreement3": false,
    "updatedAt": "2018-02-02T11:23:18+0100",
    "campaignPurchases": [],
    "transactionsCount": 1,
    "transactionsAmount": 3,
    "transactionsAmountWithoutDeliveryCosts": 3,
    "amountExcludedForLevel": 0,
    "averageTransactionAmount": 3,
    "lastTransactionDate": "2018-02-03T11:23:21+0100",
    "currency": "eur",
    "levelPercent": "14.00%"
  },
  {
    "customerId": "00000000-0000-474c-b092-b0dd880c07e1",
    "active": false,
    "firstName": "John",
    "lastName": "Doe",
    "gender": "male",
    "email": "user@oloy.com",
    "phone": "11111",
    "birthDate": "1990-09-11T02:00:00+0200",
    "createdAt": "2016-08-08T10:53:14+0200",
    "levelId": "000096cf-32a3-43bd-9034-4df343e5fd93",
    "agreement1": false,
    "agreement2": false,
    "agreement3": false,
    "updatedAt": "2018-02-02T11:23:17+0100",
    "campaignPurchases": [],
    "transactionsCount": 1,
    "transactionsAmount": 3,
    "transactionsAmountWithoutDeliveryCosts": 3,
    "amountExcludedForLevel": 0,
    "averageTransactionAmount": 3,
    "lastTransactionDate": "2018-02-03T11:23:21+0100",
    "currency": "eur",
    "levelPercent": "14.00%"
  }
],
"total": 2
}

```

Example

```

curl http://localhost:8181/api/customer \
-X "GET" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6Ii..." \
-d "email=oloy.com" \
-d "strict=1" \

```

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```
-d "page=1" \
-d "perPage=2" \
-d "sort=customerId" \
-d "direction=asc"
```

Note: The *eyJhbGciOiJSUzI1NiIsInR5cCI6...* authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "customers": [],
  "total": 0
}
```

Activate a customer using activation token

To activate a customer using a token you need to call the `/api/customer/activate/{token}` endpoint with the POST method.

Definition

```
POST /api/customer/activate/{token}
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
token	request	Customer's token

Example

```
curl http://localhost:8181/api/customer/activate/abcde \
-X "POST" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: The *eyJhbGciOiJSUzI1NiIsInR5cCI6...* authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Open Loyalty

Note: The *token = abcde* is an exemplary value. Your value can be different. The value can be checked in the database, table `ol_user`, field `action_token`.

Exemplary Response

```
STATUS: 200 OK
```

```
""
```

Create a new customer

To create a new customer you will need to call the `/api/customer/register` endpoint with the `POST` method.

Note: This endpoint allows to set more customer parameters than `/api/customer/self_register` and is used when creating a new customer in the admin cockpit or pos cockpit. Self register endpoint is used in the client cockpit for registration and has some limitations.

Definition

```
POST /api/customer/register
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
customer[firstName]	request	First name
customer[lastName]	request	Last name
customer[gender]	request	<i>(optional)</i> Gender. Possible values <i>male</i> , <i>female</i>
customer[email]	request	<i>(unique)</i> E-mail address
customer[phone]	request	<i>(optional)</i> A phone number <i>(unique)</i>
customer[birthDate]	request	<i>(optional)</i> Birth date in format YYYY-MM-DD HH:mm, for example 2017-10-05
customer[createdAt]	request	<i>(optional)</i> Created at in format YYYY-MM-DD HH:mm:ss, for example 2017-01-01 14:15:16.
customer[address][street]	request	<i>(optional)</i> Street name
customer[address][address1]	request	<i>(optional)</i> Building number
customer[address][address2]	request	<i>(optional)</i> Flat/Unit name
customer[address][postal]	request	<i>(optional)</i> Post code
customer[address][city]	request	<i>(optional)</i> City name
customer[address][province]	request	<i>(optional)</i> Province name
customer[address][country]	request	<i>(optional)</i> Country name
customer[company][name]	request	<i>(optional)</i> Company name
customer[company][nip]	request	<i>(optional)</i> Tax ID
customer[loyaltyCardNumber]	request	<i>(optional)</i> Loyalty card number <i>(unique)</i>
customer[agreement1]	request	First agreement. Set 1 if true, otherwise 0
customer[agreement2]	request	<i>(optional)</i> Second agreement. Set 1 if true, otherwise 0
customer[agreement3]	request	<i>(optional)</i> Third agreement. Set 1 if true, otherwise 0
customer[referral_customer_email]	request	<i>(optional)</i> Referral customer e-mail address.

Example

```
curl http://localhost:8181/api/customer/register \
-X "POST" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.. " \
-d "customer[firstName]=John" \
-d "customer[lastName]=Kowalski" \
-d "customer[email]=john4@example.com" \
-d "customer[phone]=000000005000" \
-d "customer[agreement1]=1"
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different.

Example

```
curl http://localhost:8181/api/customer/register \  
-X "POST" \  
-H "Accept: application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IiI6..."
```

Note: The *eyJhbGciOiJSUzI1NiIsInR5cCI6IiI6...* authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 400 Bad Request
```

```
{  
  "form": {  
    "children": {  
      "firstName": {},  
      "lastName": {},  
      "gender": {},  
      "email": {},  
      "phone": {},  
      "birthDate": {},  
      "createdAt": {},  
      "address": {  
        "children": {  
          "street": {},  
          "address1": {},  
          "address2": {},  
          "postal": {},  
          "city": {},  
          "province": {},  
          "country": {}  
        }  
      },  
    },  
    "company": {  
      "children": {  
        "name": {},  
        "nip": {}  
      }  
    },  
    "loyaltyCardNumber": {},  
    "agreement1": {},  
    "agreement2": {},  
    "agreement3": {},  
    "referral_customer_email": {},  
    "levelId": {},  
    "posId": {},  
    "sellerId": {}  
  }  
},
```

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```
"errors": []
}
```

Customer registrations in last 30 days

To get information about customer registrations per day in last thirty days you need to call the `/api/customer/registrations/daily` endpoint with the GET method.

Definition

```
GET /api/customer/registrations/daily
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication

Example

```
curl http://localhost:8181/api/customer/registrations/daily \
-X "POST" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "2018-01-06": 0,
  "2018-01-07": 0,
  "2018-01-08": 0,
  "2018-01-09": 0,
  "2018-01-10": 0,
  "2018-01-11": 0,
  "2018-01-12": 0,
  "2018-01-13": 0,
  "2018-01-14": 0,
  "2018-01-15": 0,
  "2018-01-16": 0,
  "2018-01-17": 0,
  "2018-01-18": 0,
  "2018-01-19": 0,
```

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Open Loyalty

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `customer = 00000000-0000-474c-b092-b0dd880c07e1` id is an exemplary value. Your value can be different. Check in the list of all customers if you are not sure which id should be used.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "campaigns": [],
  "total": 0
}
```

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "campaigns": [
    {
      "purchaseAt": "2018-01-30T18:23:24+0100",
      "costInPoints": 20,
      "campaignId": {
        "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd93"
      },
      "used": false,
      "coupon": {
        "code": "123"
      }
    }
  ],
  "total": 1
}
```

Example

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `customer = 00000000-0000-474c-b092-b0dd880c07e1` id is an exemplary value. Your value can be different. Check in the list of all customers if you are not sure which id should be used.

Exemplary Response

STATUS: 200 OK

```

{
  "campaigns": [
    {
      "purchaseAt": "2018-01-30T18:23:24+0100",
      "costInPoints": 20,
      "campaignId": {
        "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd93"
      },
      "campaign": {
        "levels": [
          "000096cf-32a3-43bd-9034-4df343e5fd93",
          "e82c96cf-32a3-43bd-9034-4df343e5fd94",
          "000096cf-32a3-43bd-9034-4df343e5fd94",
          "0f0d346e-9fd0-492a-84aa-2a2b61419c97"
        ],
        "segments": [],
        "coupons": [
          "123"
        ],
        "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd93",
        "reward": "discount_code",
        "name": "tests",
        "active": true,
        "costInPoints": 20,
        "singleCoupon": false,
        "unlimited": false,
        "limit": 10,
        "limitPerUser": 2,
        "campaignActivity": {
          "allTimeActive": true
        },
        "campaignVisibility": {
          "allTimeVisible": true
        },
        "segmentNames": [],
        "levelNames": {
          "000096cf-32a3-43bd-9034-4df343e5fd93": "level0",
          "e82c96cf-32a3-43bd-9034-4df343e5fd94": "level1",
          "000096cf-32a3-43bd-9034-4df343e5fd94": "level2",
          "0f0d346e-9fd0-492a-84aa-2a2b61419c97": "level3"
        },
        "usageLeft": 0,
        "visibleForCustomersCount": 6,
        "usersWhoUsedThisCampaignCount": 1
      },
      "used": false,
      "coupon": {
        "code": "123"
      }
    }
  ],
  "total": 1
}

```



```
{
  "used": "1"
}
```

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "used": false
}
```

Get all campaigns available for logged in customer

To get all campaign available for logged in customer use `/api/customer/campaign/available` endpoint with the POST method.

Definition

```
GET /api/customer/campaign/available
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
page	query	<i>(optional)</i> Start from page, by default 1
perPage	query	<i>(optional)</i> Number of items to display per page, by default = 10
sort	query	<i>(optional)</i> Sort by column name, by default = firstName
direction	query	<i>(optional)</i> Direction of sorting [ASC, DESC], by default = ASC

Example

```
curl http://localhost:8181/api/customer/campaign/available \
-X "GET" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Warning: Calling this endpoint is meaningful only when you call it with authorization token that belongs to the logged in customer. Otherwise it will return 403 Forbidden error response.

Exemplary Response

STATUS: 200 OK

```
{
  "campaigns": [
    {
      "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd92",
      "reward": "discount_code",
      "name": "for test",
      "active": true,
      "costInPoints": 10,
      "singleCoupon": false,
      "unlimited": false,
      "limit": 10,
      "limitPerUser": 2,
      "campaignActivity": {
        "allTimeActive": true
      },
      "campaignVisibility": {
        "allTimeVisible": true
      },
      "segmentNames": [],
      "levelNames": {
        "000096cf-32a3-43bd-9034-4df343e5fd93": "level0",
        "e82c96cf-32a3-43bd-9034-4df343e5fd94": "level1",
        "000096cf-32a3-43bd-9034-4df343e5fd94": "level2",
        "0f0d346e-9fd0-492a-84aa-2a2b61419c97": "level3"
      },
      "usageLeft": 1,
      "usageLeftForCustomer": 1,
      "canBeBoughtByCustomer": true,
      "visibleForCustomersCount": 6,
      "usersWhoUsedThisCampaignCount": 0
    }
  ],
  "total": 1
}
```

Get all campaigns bought by logged in customer

To get all campaign bought by logged in customer use `/api/customer/campaign/bought` endpoint with the POST method.

Definition

GET `/api/customer/campaign/bought`

(continued from previous page)

```

    "visibleForCustomersCount": 6,
    "usersWhoUsedThisCampaignCount": 1
  },
  "used": false,
  "coupon": {
    "code": "123"
  }
}
],
"total": 1
}

```

Buy campaign by logged in customer

Buy campaign bought by logged in customer use `/api/customer/campaign/{campaign}/buy` endpoint with the POST method.

Definition

```
POST /api/customer/campaign/{campaign}/buy
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
campaign	request	Campaign UUID

Example

```

curl http://localhost:8181/api/customer/campaign/000096cf-32a3-43bd-9034-4df343e5fd92/
↪buy
-X "POST" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.. "

```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Warning: Calling this endpoint is meaningful only when you call it with authorization token that belongs to the logged in customer. Otherwise it will return 403 Forbidden error response.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "coupon": {
    "code": "123"
  }
}
```

Exemplary Error Response

If there is no more coupons left, you'll receive follow responses.

```
STATUS: 400 Bad Request
```

```
{
  "error": "No coupons left"
}
```

Exemplary Error Response

If you don't have enough points to buy a reward, you'll receive follow responses.

```
STATUS: 400 Bad Request
```

```
{
  "error": "Not enough points"
}
```

Mark specific coupon as used / not used by a logged in customer

To mark a specific coupon as used / nor used by a logged in customer call `/api/admin/campaign/{campaign}/coupon/{coupon}` endpoint with the `POST` method.

Definition

```
POST /api/admin/campaign/{campaign}/coupon/{coupon}
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
campaign	request	Campaign UUI
coupon	request	Coupon UUID
used	request	Set 1 if used, otherwise 0

Example

```
curl http://localhost:8181/api/admin/campaign/000096cf-32a3-43bd-9034-4df343e5fd93/
↪ coupon/123 \
-X "POST" \
```

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```
-d "used=1" \  
-H "Accept: application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Warning: Calling this endpoint is meaningful only when you call it with authorization token that belongs to the logged in customer. Otherwise it will return 403 Forbidden error response.

Note: The `campaign = 000096cf-32a3-43bd-9034-4df343e5fd93` id is an exemplary value. Your value can be different. Check in the list of all campaigns if you are not sure which id should be used.

Note: The `coupon = 123` id is an exemplary value. Your value can be different. Check in the list of all customer's coupons if you are not sure which id should be used.

Exemplary Response

```
STATUS: 200 OK
```

```
{  
  "used": "1"  
}
```

Exemplary Response

```
STATUS: 200 OK
```

```
{  
  "used": false  
}
```

Get all campaigns bought by a customer (seller)

To retrieve list of bought rewards by a specific customer use `api/seller/customer/{customer}/campaign/bought` endpoint with the GET method.

Definition

```
GET /api/seller/customer/{customer}/campaign/bought
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
customer	request	Customer UUID
includeDetails	query	<i>(optional)</i> Include details about bought campaign For example 1
page	query	<i>(optional)</i> Start from page, by default 1
perPage	query	<i>(optional)</i> Number of items to display per page, by default = 10
sort	query	<i>(optional)</i> Sort by column name, by default = firstName
direction	query	<i>(optional)</i> Direction of sorting [ASC, DESC], by default = ASC

Example

```
curl http://localhost:8181/api/seller/customer/00000000-0000-474c-b092-b0dd880c07e1/  
→campaign/bought \  
-X "GET" \  
-H "Accept:application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization:\ Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `customer = 00000000-0000-474c-b092-b0dd880c07e1` id is an exemplary value. Your value can be different. Check in the list of all customers if you are not sure which id should be used.

Note: When you will use endpoints starting with `/api/seller` you need to authorize using seller account credentials.

Note: As a seller you will receive less amount of information about campaign than an administrator.

Exemplary Response

```
STATUS: 200 OK
```

```
{  
  "campaigns": [],  
  "total": 0  
}
```

Exemplary Response

STATUS: 200 OK

```
{
  "campaigns": [
    {
      "purchaseAt": "2018-01-30T18:23:24+0100",
      "costInPoints": 20,
      "campaignId": {
        "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd93"
      },
      "used": false,
      "coupon": {
        "code": "123"
      }
    }
  ],
  "total": 1
}
```

Example

```
curl http://localhost:8181/api/seller/customer/00000000-0000-474c-b092-b0dd880c07e1/
↪campaign/bought \
-X "GET" -H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.. " \
-d "includeDetails=1" \
-d "page=1" \
-d "perPage=1" \
-d "sort=used" \
-d "direction=DESC"
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `customer = 00000000-0000-474c-b092-b0dd880c07e1` id is an exemplary value. Your value can be different. Check in the list of all customers if you are not sure which id should be used.

Note: When you will use endpoints starting with `/api/seller` you need to authorize using seller account credentials.

Note: As a seller you will receive less amount of information about campaign than an administrator.

Exemplary Response

STATUS: 200 OK

```
{
  "campaigns": [
    {
      "purchaseAt": "2018-01-30T18:23:24+0100",
      "costInPoints": 20,
      "campaignId": {
        "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd93"
      },
      "campaign": {
        "levels": [
          "000096cf-32a3-43bd-9034-4df343e5fd93",
          "e82c96cf-32a3-43bd-9034-4df343e5fd94",
          "000096cf-32a3-43bd-9034-4df343e5fd94",
          "0f0d346e-9fd0-492a-84aa-2a2b61419c97"
        ],
        "segments": [],
        "coupons": [
          "123"
        ],
        "campaignId": "000096cf-32a3-43bd-9034-4df343e5fd93",
        "reward": "discount_code",
        "name": "tests",
        "active": true,
        "costInPoints": 20,
        "singleCoupon": false,
        "unlimited": false,
        "limit": 10,
        "limitPerUser": 2,
        "campaignActivity": {
          "allTimeActive": true
        },
        "campaignVisibility": {
          "allTimeVisible": true
        },
        "segmentNames": [],
        "levelNames": {
          "000096cf-32a3-43bd-9034-4df343e5fd93": "level0",
          "e82c96cf-32a3-43bd-9034-4df343e5fd94": "level1",
          "000096cf-32a3-43bd-9034-4df343e5fd94": "level2",
          "0f0d346e-9fd0-492a-84aa-2a2b61419c97": "level3"
        },
        "usageLeft": 0,
        "visibleForCustomersCount": 6,
        "usersWhoUsedThisCampaignCount": 1
      },
      "used": false,
      "coupon": {
        "code": "123"
      }
    }
  ],
  "total": 1
}
```


3.1.9 Customer Earning API

These endpoints will allow you to easily viewing active earning rules.

Note: Each role in the Open Loyalty has individual endpoints to viewing active earning rules.

Method will return all active earning rules.

To viewing active earning rules you will need to call the `/api/customer/earningRule` endpoint with the GET method.

Definition

```
GET /api/customer/earningRule
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication

Example

```
curl http://localhost:8181/api/customer/earningRule \
-X "GET" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXUyJ9..."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXUyJ9...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "earningRules": [
    {
      "levels": [
        "000096cf-32a3-43bd-9034-4df343e5fd93"
      ],
      "segments": [],
      "earningRuleId": "00000000-0000-474c-b092-b0dd880c0121",
      "name": "Facebook like test rule",
      "description": "sth",
      "active": true,
      "startAt": "2018-01-19T09:45:00+0100",
    }
  ]
}
```

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```

    "endAt": "2018-03-19T09:45:00+0100",
    "allTimeActive": false,
    "usages": [],
    "eventName": "facebook_like",
    "pointsAmount": 100,
    "limit": {},
    "type": "custom_event",
    "usageUrl": "http://backend.openloyalty.test.openloyalty.io/api/v1/earnRule/
↪facebook_like/customer/:customerId",
    "segmentNames": [],
    "levelNames": {
      "000096cf-32a3-43bd-9034-4df343e5fd93": "level0"
    }
  },
  {
    "levels": [
      "000096cf-32a3-43bd-9034-4df343e5fd93"
    ],
    "segments": [],
    "earningRuleId": "7664138c-b5a4-4dcd-80ba-0049a92166db",
    "name": "name",
    "description": "description",
    "active": true,
    "allTimeActive": true,
    "usages": [],
    "eventName": "custom_event_name",
    "pointsAmount": 1,
    "limit": {
      "active": false
    },
    "type": "custom_event",
    "usageUrl": "http://backend.openloyalty.test.openloyalty.io/api/v1/earnRule/
↪custom_event_name/customer/:customerId",
    "segmentNames": [],
    "levelNames": {
      "000096cf-32a3-43bd-9034-4df343e5fd93": "level0"
    }
  },
  {
    "levels": [
      "000096cf-32a3-43bd-9034-4df343e5fd93"
    ],
    "segments": [],
    "earningRuleId": "7d482776-318a-48dd-90cd-6b3f06a3f4e8",
    "name": "sdgsdgsdg",
    "description": "description",
    "active": true,
    "allTimeActive": true,
    "usages": [],
    "eventName": "custom_event_name_1",
    "pointsAmount": 1,
    "limit": {
      "active": false
    },
    "type": "custom_event",
    "usageUrl": "http://backend.openloyalty.test.openloyalty.io/api/v1/earnRule/
↪custom_event_name_1/customer/:customerId",

```

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```

    "segmentNames": [],
    "levelNames": {
      "000096cf-32a3-43bd-9034-4df343e5fd93": "level0"
    }
  },
  "currency": "eur"
}

```

3.1.10 Customer Points transfers

These endpoints will allow you to see Customer Points transfers list.

List of all logged in customer points transfer

To retrieve list of points transfer by a specific customer use `/api/customer/points/transfer` endpoint with the GET method.

Definition

```
GET /api/customer/points/transfer
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
state	query	Set 1 if always active, otherwise 0
type	query	Current points status: adding or spending
page	query	<i>(optional)</i> Start from page, by default 1
perPage	query	<i>(optional)</i> Number of items to display per page, by default = 10
sort	query	<i>(optional)</i> Sort by column name, by default = firstName
direction	query	<i>(optional)</i> Direction of sorting [ASC, DESC], by default = ASC

Example

```

curl http://localhost:8181/api/customer/points/transfer \
-X "GET" \
-H "Accept:application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization:\ Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."

```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

STATUS: 200 OK

```
{
  "transfers": [
    {
      "pointsTransferId": "e82c96cf-32a3-43bd-9034-4df343e5f211",
      "accountId": "adbdb586-317b-4bed-8cc0-346199064d45",
      "customerId": "00000000-0000-474c-b092-b0dd880c07e1",
      "customerFirstName": "John",
      "customerLastName": "Doe",
      "customerEmail": "user@oloy.com",
      "customerPhone": "11111",
      "createdAt": "2018-01-21T09:45:05+0100",
      "value": 100,
      "state": "active",
      "type": "adding",
      "issuer": "system",
      "expireAt": "2018-02-20T09:45:05+0100"
    },
    {
      "pointsTransferId": "44b4a504-d62e-49c2-8e35-7d8a19d2642e",
      "accountId": "adbdb586-317b-4bed-8cc0-346199064d45",
      "customerId": "00000000-0000-474c-b092-b0dd880c07e1",
      "customerFirstName": "John",
      "customerLastName": "Doe",
      "customerEmail": "user@oloy.com",
      "customerPhone": "11111",
      "createdAt": "2018-02-19T09:45:05+0100",
      "value": 6.9,
      "state": "active",
      "type": "adding",
      "transactionId": {
        "transactionId": "00000000-0000-1111-0000-000000000003"
      },
      "issuer": "system",
      "expireAt": "2018-03-21T09:45:05+0100",
      "transactionDocumentNumber": "456"
    }
  ],
  "total": 2
}
```

3.1.11 Earning Rule

These endpoints will allow you to easily manage Earning Rule.

Get a complete list of earning rules

To retrieve a paginated list of earning rules you will need to call the `/api/earningRule` endpoint with the GET method.

Definition

```
GET /api/earningRule
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
active	query	<i>(optional)</i> Possible values: active, inactive
page	query	<i>(optional)</i> Start from page, by default 1
perPage	query	<i>(optional)</i> Number of items to display per page, by default = 10
sort	query	<i>(optional)</i> Sort by column name
direction	query	<i>(optional)</i> Direction of sorting [ASC, DESC], by default = ASC

To see the first page of all earning rules use the below method:

Example

```
curl http://localhost:8181/api/earningRule \
-X "GET" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "earningRules": [
    {
      "levels": [
        "000096cf-32a3-43bd-9034-4df343e5fd93"
      ],
      "segments": [],
      "earningRuleId": "00000000-0000-474c-b092-b0dd880c0121",
      "name": "Facebook like test rule",
      "description": "sth",
      "active": true,
      "startAt": "2018-01-19T09:45:00+0100",
      "endAt": "2018-03-19T09:45:00+0100",
      "allTimeActive": false,
      "usages": [],
      "eventName": "facebook_like",
      "pointsAmount": 100,
      "limit": {},
      "type": "custom_event",
      "hasPhoto": false,
    }
  ]
}
```

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```

    "usageUrl": "http://backend.openloyalty.test.openloyalty.io/api/v1/earnRule/
↪facebook_like/customer/:customerId",
    "segmentNames": [],
    "levelNames": {
      "000096cf-32a3-43bd-9034-4df343e5fd93": "level0"
    }
  },
  {
    "levels": [
      "000096cf-32a3-43bd-9034-4df343e5fd93"
    ],
    "segments": [],
    "earningRuleId": "7664138c-b5a4-4dcd-80ba-0049a92166db",
    "name": "name",
    "description": "description",
    "active": true,
    "allTimeActive": true,
    "usages": [],
    "eventName": "custom_event_name",
    "pointsAmount": 1,
    "limit": {
      "active": false
    },
    "type": "custom_event",
    "hasPhoto": false,
    "usageUrl": "http://backend.openloyalty.test.openloyalty.io/api/v1/earnRule/
↪custom_event_name/customer/:customerId",
    "segmentNames": [],
    "levelNames": {
      "000096cf-32a3-43bd-9034-4df343e5fd93": "level0"
    }
  }
],
"total": 2
}

```

Get earning rule details

To retrieve a page of earning rule details you will need to call the `/api/earningRule/<earningRule>` endpoint with the GET method.

Definition

```
GET /api/earningRule/<earningRule>
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<earningRule>	query	earningRule ID

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```

    "description": "sth",
    "active": true,
    "startAt": "2018-01-19T09:45:00+0100",
    "endAt": "2018-03-19T09:45:00+0100",
    "allTimeActive": false,
    "usages": [],
    "eventName": "facebook_like",
    "pointsAmount": 100,
    "limit": {},
    "type": "custom_event",
    "hasPhoto": false,
    "usageUrl": "http://backend.openloyalty.test.openloyalty.io/api/v1/earnRule/
↪facebook_like/customer/:customerId",
    "segmentNames": [],
    "levelNames": {
      "000096cf-32a3-43bd-9034-4df343e5fd93": "level0"
    }
  },
  {
    "levels": [
      "000096cf-32a3-43bd-9034-4df343e5fd93"
    ],
    "segments": [],
    "earningRuleId": "00000000-0000-474c-b092-b0dd880c07e3",
    "name": "test",
    "description": "sth",
    "active": false,
    "startAt": "2018-01-19T09:45:00+0100",
    "endAt": "2018-03-19T09:45:00+0100",
    "allTimeActive": false,
    "usages": [],
    "eventName": "test event",
    "pointsAmount": 100,
    "type": "event",
    "hasPhoto": false,
    "segmentNames": [],
    "levelNames": {
      "000096cf-32a3-43bd-9034-4df343e5fd93": "level0"
    }
  }
],
"total": 2

```

Get earning rule details (seller)

To retrieve a page of earning rule details you will need to call the `/api/seller/earningRule/<earningRule>` endpoint with the GET method.

Definition

```
GET /api/seller/earningRule/<earningRule>
```


Create a new earning rule

To create a new earning rule you will need to call the `/api/earningRule` endpoint with the POST method.

Definition

```
POST /api/earningRule
```

Example

```
curl http://localhost:8181/api/earningRule \  
-X "POST" \  
-H "Accept: application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IiI6Ij0iLCJ0eXciOiJ1cm9udCI6Ij0iLCJ0eXciOiJ1cm9udCI6Ij0iLCJ0eXciOiJ1cm9udCI6Ij0i" \  
-d "earningRule[active]=1" \  
-d "earningRule[type]=event" \  
-d "earningRule[description]=test" \  
-d "earningRule[endTime]=2018-03-19+09:45" \  
-d "earningRule[eventName]=oloy.customer.logged_in" \  
-d "earningRule[levels][0]=000096cf-32a3-43bd-9034-4df343e5fd93" \  
-d "earningRule[name]=nowy+rule" \  
-d "earningRule[pointsAmount]=5" \  
-d "earningRule[segments]=[+]" \  
-d "earningRule[startAt]=2019-03-19+09:45" \  
-d "earningRule[target]=level" \  
-d "earningRule[limit][active]=1" \  
-d "earningRule[limit][period]=month" \  
-d "earningRule[limit][limit]=5" \  
-d "earningRule[rewardType]=both" \  
-d "earningRule[allTimeActive]=0" \  
-d "earningRule[excludeDeliveryCost]=true" \  
-d "earningRule[excludedSKUs]=123" \  
-d "earningRule[minOrderValue]=2" \  
-d "earningRule[inclusionType]=exclude_labels" \  
-d "earningRule[excludedLabels]=1:1" \  
-d "earningRule[multiplier]=2" \  
-d "earningRule[skuIds][0]=SKU123"
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6IiI6Ij0iLCJ0eXciOiJ1cm9udCI6Ij0iLCJ0eXciOiJ1cm9udCI6Ij0iLCJ0eXciOiJ1cm9udCI6Ij0i` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `000096cf-32a3-43bd-9034-4df343e5fd93` or `00000000-0000-474c-b092-b0dd880c0121` id are an exemplary values. Your value can be different. Check in the list of all levels if you are not sure which id should be used.

Exemplary Response

```
STATUS: 200 OK
```

Edit existing earning rule

To edit existing earning rule you will need to call the `/api/earningRule/<earningRule>` endpoint with the PUT method.

Definition

```
PUT /api/earningRule/<earningRule>
```

Example

To fully update a `earningRule` with `earningRule = 00000000-0000-474c-b092-b0dd880c0121` use the below method:

```
curl http://localhost:8181/api/earningRule/00000000-0000-474c-b092-b0dd880c0121 \  
-X "PUT" \  
-H "Accept: application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6Ii..." \  
-d "earningRule[active]=1" \  
-d "earningRule[type]=event" \  
-d "earningRule[description]=something" \  
-d "earningRule[endAt]=2018-03-19+09:45" \  
-d "earningRule[eventName]=facebook_like" \  
-d "earningRule[levels][0]=000096cf-32a3-43bd-9034-4df343e5fd93" \  
-d "earningRule[name]=Facebook+like+test+rule" \  
-d "earningRule[pointsAmount]=9" \  
-d "earningRule[segments]=[+]" \  
-d "earningRule[startAt]=2019-03-19+09:45" \  
-d "earningRule[target]=level" \  
-d "earningRule[limit][active]=1" \  
-d "earningRule[limit][period]=month" \  
-d "earningRule[limit][limit]=5" \  
-d "earningRule[rewardType]=both" \  
-d "earningRule[allTimeActive]=0" \  
-d "earningRule[excludeDeliveryCost]=true" \  
-d "earningRule[excludedSKUs]=123" \  
-d "earningRule[minOrderValue]=2" \  
-d "earningRule[inclusionType]=exclude_labels" \  
-d "earningRule[excludedLabels]=1:1" \  
-d "earningRule[multiplier]=2" \  
-d "earningRule[skuIds][0]=SKU123"
```

Warning: Remember, you must update the whole data of the `earningRule`.

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `000096cf-32a3-43bd-9034-4df343e5fd93` or `00000000-0000-474c-b092-b0dd880c0121` id are an exemplary values. Your value can be different. Check in the list of all levels if you are not sure which id should be used.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "earningRuleId": "00000000-0000-474c-b092-b0dd880c0121"
}
```

Change earning rule status

To make earning rule active or inactive you will need to call the `/api/earningRule/<earningRule>/activate` endpoint with the POST method.

Definition

```
POST /api/earningRule/<earningRule>/activate
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<earningRule>	query	earningRule ID
active	query	Possible values: active, inactive

Example

To make earning rule active `earningRule = 7d482776-318a-48dd-90cd-6b3f06a3f4e8` use the below method:

```
curl http://localhost:8181/api/earningRule/7d482776-318a-48dd-90cd-6b3f06a3f4e8/
↪active \
  -X "POST" \
  -H "Accept: application/json" \
  -H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..." \
  -d "active=1"
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Open Loyalty

Note: The `earningRule = 7d482776-318a-48dd-90cd-6b3f06a3f4e8` id is an exemplary value. Your value can be different. Check in the list of all `earningRules` if you are not sure which id should be used.

Exemplary Response

```
STATUS: 204 No Content
```

```
active=1
```

Use a custom event earning rule

To use a custom event earning rule for a specific customer you will need to call the `/api/<version>/earnRule/<eventName>/customer/<customer>` endpoint with the `POST` method.

Definition

```
POST /api/<version>/earnRule/<eventName>/customer/<customer>
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<customer>	query	Customer ID
<eventName>	query	Custom Event name
<version>	query	api version, v1 required

Example

```
curl http://localhost:8181/api/v1/earnRule/test/customer/57524216-c059-405a-b951-3ab5c49bae14 \
  -X "POST" \
  -H "Accept: application/json" \
  -H "Content-type: application/x-www-form-urlencoded" \
  -H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.. " \
  -d "event_name=event"
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `57524216-c059-405a-b951-3ab5c49bae14` id is an exemplary value. Your value can be different. Check in the list of all customers if you are not sure which id should be used.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "points": 1
}
```

Get earning rule's photo

To get earning rule's photo you will need to call the `/api/earningRule/<earningRule>/photo` endpoint with the GET method.

Definition

```
GET /api/earningRule/<earningRule>/photo
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<earningRule>	query	Earning rule ID

Example

To get earning rule's photo `earningRule = 000096cf-32a3-43bd-9034-4df343e5fd93` use the below method:

```
curl http://localhost:8181/api/earningRule/000096cf-32a3-43bd-9034-4df343e5fd93/photo \
  -X "GET" \
  -H "Accept: application/json" \
  -H "Content-type: application/x-www-form-urlencoded" \
  -H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `earningRule = 000096cf-32a3-43bd-9034-4df343e5fd93` id is an exemplary value. Your value can be different. Check in the list of all earning rules if you are not sure which id should be used.

Exemplary Response

```
STATUS: 200 OK
```

Note: The *earningRule* = 000096cf-32a3-43bd-9034-4df343e5fd93 id is an exemplary value. Your value can be different. Check in the list of all earning rules if you are not sure which id should be used.

Exemplary Response

```
STATUS: 200 OK
```

Add a photo to the earning rule

To add a photo to the earning rule you will need to call the `/api/earningRule/<earningRule>/photo` endpoint with the `POST` method.

Definition

```
POST /api/earningRule/<earningRule>/photo
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<earningRule>	query	Earning rule ID
photo[file]	request	Absolute path to the photo

Example

To get earning rule's photo *earningRule* = 000096cf-32a3-43bd-9034-4df343e5fd93 use the below method:

```
curl http://localhost:8181/api/earningRule/000096cf-32a3-43bd-9034-4df343e5fd93/photo_
↪ \
  -X "POST" \
  -H "Accept: application/json" \
  -H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.. " \
  -d "photo[file]=C:\fakepath\Photo.png"
```

Note: The *eyJhbGciOiJSUzI1NiIsInR5cCI6I..* authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The *earningRule* = 000096cf-32a3-43bd-9034-4df343e5fd93 id is an exemplary value. Your value can be different. Check in the list of all earning rules if you are not sure which id should be used.

Note: The *photo[file]=C:\fakepath\Photo.png* is an exemplary value. Your value can be different.

Exemplary Response

```
STATUS: 200 OK
```

3.1.12 Invitation

These endpoints will allow you to easily manage Invitations.

Get a complete list of invitations

To retrieve a paginated list of invitations you will need to call the `/api/invitations` endpoint with the GET method.

Definition

```
GET /api/invitations
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
referrerId	query	<i>(optional)</i> Referrer ID
referrerEmail	query	<i>(optional)</i> Referrer Email
referrerName	query	<i>(optional)</i> Referrer Name
recipientId	query	<i>(optional)</i> Recipient ID
recipientEmail	query	<i>(optional)</i> Recipient Email
recipientName	query	<i>(optional)</i> Recipient Name
status	query	<i>(optional)</i> Possible values: All, Invited, Made purchase, Registered

Example

```
curl http://localhost:8181/api/invitations \  
-X "GET" \  
-H "Accept: application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```

{
  "invitations": [
    {
      "referrerId": "00000000-0000-474c-b092-b0dd880c07e1",
      "recipientId": "",
      "invitationId": "22200000-0000-474c-b092-b0dd880c07e2",
      "referrerEmail": "user@oloy.com",
      "referrerName": "John Doe",
      "recipientEmail": "test2@oloy.com",
      "status": "invited",
      "token": "8e3889f08265ec0c81e511e23cab94200a7d18b7"
    },
    {
      "referrerId": "00000000-0000-474c-b092-b0dd880c07e1",
      "recipientId": "",
      "invitationId": "22200000-0000-474c-b092-b0dd880c07e3",
      "referrerEmail": "user@oloy.com",
      "referrerName": "John Doe",
      "recipientEmail": "test3@oloy.com",
      "status": "invited",
      "token": "575c0f0435d0970853b25b967378c4155c8c0843"
    },
    {
      "referrerId": "00000000-0000-474c-b092-b0dd880c07e1",
      "recipientId": "",
      "invitationId": "22200000-0000-474c-b092-b0dd880c07e1",
      "referrerEmail": "user@oloy.com",
      "referrerName": "John Doe",
      "recipientEmail": "test1@oloy.com",
      "status": "invited",
      "token": "ebea0309e2ca40f45b11537694270df8fc7161b7"
    },
    {
      "referrerId": "00000000-0000-474c-b092-b0dd880c07e1",
      "recipientId": "",
      "invitationId": "22200000-0000-474c-b092-b0dd880c07e4",
      "referrerEmail": "user@oloy.com",
      "referrerName": "John Doe",
      "recipientEmail": "test4@oloy.com",
      "status": "invited",
      "token": "1042654f4acd5099f54286acbb10d668173a95d0"
    }
  ],
  "total": 4
}

```

3.1.13 Points transfers

These endpoints will allow you to easily manage Points transfers.

Get a complete list of Points transfers

To retrieve a paginated list of Points transfers you will need to call the `/api/points/transfer` endpoint with the GET method.

Definition

```
GET /api/points/transfer
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
customerFirstName	query	<i>(optional)</i> First Name
customerLastName	query	<i>(optional)</i> Last Name
customerPhone	query	<i>(optional)</i> Customer Phone
customerEmail	query	<i>(optional)</i> Customer Email
customerId	query	<i>(optional)</i> Customer ID
state[]	query	<i>(optional)</i> Possible values: active, expired
type	query	<i>(optional)</i> Possible values: adding, spending
page	query	<i>(optional)</i> Start from page, by default 1
perPage	query	<i>(optional)</i> Number of items to display per page, by default = 10
sort	query	<i>(optional)</i> Sort by column name
direction	query	<i>(optional)</i> Direction of sorting [ASC, DESC], by default = ASC

Example

```
curl http://localhost:8181/api/points/transfer \  
-X "GET" \  
-H "Accept: application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```
{  
  "transfers": [  
    {  
      "pointsTransferId": "e82c96cf-32a3-43bd-9034-4df343e5f433",  
      "accountId": "e4c4b479-be5f-44cd-bbaa-7d6a90e53564",  
      "customerId": "00000000-0000-474c-b092-b0dd880c07e2",  
      "customerFirstName": "Jane",  
      "customerLastName": "Doe",  
      "customerLoyaltyCardNumber": "0000",  
      "customerEmail": "user-temp@oloy.com",  
      "customerPhone": "111112222",  
      "createdAt": "2018-01-21T09:45:06+0100",  
      "value": 100,  
      "state": "expired",  
      "type": "adding",  
    }  
  ]  
}
```

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```

    "issuer": "system",
    "expireAt": "2018-02-20T09:45:06+0100"
  },
  {
    "pointsTransferId": "40922a3e-c0dd-4c69-87be-613fafa5076c",
    "accountId": "adbd586-317b-4bed-8cc0-346199064d45",
    "customerId": "00000000-0000-474c-b092-b0dd880c07e1",
    "customerFirstName": "John",
    "customerLastName": "Doe",
    "customerEmail": "user@oloy.com",
    "customerPhone": "11111",
    "createdAt": "2018-02-22T09:54:28+0100",
    "value": 5,
    "state": "active",
    "type": "adding",
    "issuer": "system",
    "expireAt": "2018-03-24T09:54:28+0100"
  },
  {
    "pointsTransferId": "bd96e322-ae75-4d38-a99b-65a68dada55a",
    "accountId": "e0491d59-1c76-4c24-b2c3-db48a9e07e10",
    "customerId": "b9af6a8c-9cc5-4924-989c-e4af614ab2a3",
    "customerFirstName": "alina",
    "customerLastName": "test",
    "customerEmail": "qwe@test.pl",
    "customerPhone": "1212121212",
    "createdAt": "2018-02-23T08:24:46+0100",
    "value": 55,
    "state": "active",
    "type": "adding",
    "issuer": "admin",
    "expireAt": "2018-03-25T08:24:46+0200"
  }
]
{
  "pointsTransferId": "bd96e322-ae75-4d38-a99b-65a68dada55a",
  "accountId": "e0491d59-1c76-4c24-b2c3-db48a9e07e10",
  "customerId": "b9af6a8c-9cc5-4924-989c-e4af614ab2a3",
  "customerFirstName": "alina",
  "customerLastName": "test",
  "customerEmail": "qwe@test.pl",
  "customerPhone": "1212121212",
  "createdAt": "2018-02-20T08:24:46+0100",
  "value": 55,
  "state": "pending",
  "type": "adding",
  "issuer": "admin",
  "expireAt": "2018-03-25T08:24:46+0200",
  "lockedUntil": "2018-03-22T08:24:46+0200"
}
],
"total": 3
}

```

Get a complete list of Points transfers (seller)

To retrieve a paginated list of Points transfers you will need to call the `/api/seller/points/transfer` endpoint with the GET method.

Definition

```
GET /api/seller/points/transfer
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
customerFirstName	query	<i>(optional)</i> First Name
customerLastName	query	<i>(optional)</i> Last Name
customerPhone	query	<i>(optional)</i> Customer Phone
customerEmail	query	<i>(optional)</i> Customer Email
customerId	query	<i>(optional)</i> Customer ID
state	query	<i>(optional)</i> Possible values: active, expired, pending
type	query	<i>(optional)</i> Possible values: adding, spending
page	query	<i>(optional)</i> Start from page, by default 1
perPage	query	<i>(optional)</i> Number of items to display per page, by default = 10
sort	query	<i>(optional)</i> Sort by column name
direction	query	<i>(optional)</i> Direction of sorting [ASC, DESC], by default = ASC

Example

```
curl http://localhost:8181/api/seller/points/transfer \
-X "GET" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "transfers": [
    {
      "pointsTransferId": "e82c96cf-32a3-43bd-9034-4df343e5f433",
      "accountId": "e4c4b479-be5f-44cd-bbaa-7d6a90e53564",
      "customerId": "00000000-0000-474c-b092-b0dd880c07e2",
      "customerFirstName": "Jane",
      "customerLastName": "Doe",
      "customerLoyaltyCardNumber": "0000",
    }
  ]
}
```

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```

    "customerEmail": "user-temp@oloy.com",
    "customerPhone": "111112222",
    "createdAt": "2018-01-21T09:45:06+0100",
    "value": 100,
    "state": "expired",
    "type": "adding",
    "issuer": "system",
    "expireAt": "2018-02-20T09:45:06+0100"
  },
  {
    "pointsTransferId": "e82c96cf-32a3-43bd-9034-4df343e5f333",
    "accountId": "e4c4b479-be5f-44cd-bbaa-7d6a90e53564",
    "customerId": "00000000-0000-474c-b092-b0dd880c07e2",
    "customerFirstName": "Jane",
    "customerLastName": "Doe",
    "customerLoyaltyCardNumber": "0000",
    "customerEmail": "user-temp@oloy.com",
    "customerPhone": "111112222",
    "createdAt": "2018-02-19T09:45:06+0100",
    "value": 100,
    "state": "active",
    "type": "spending",
    "comment": "Example comment",
    "issuer": "system",
    "expireAt": "2018-03-21T09:45:06+0100"
  },
  {
    "pointsTransferId": "e82c96cf-32a3-43bd-9034-4df343e5f111",
    "accountId": "e4c4b479-be5f-44cd-bbaa-7d6a90e53564",
    "customerId": "00000000-0000-474c-b092-b0dd880c07e2",
    "customerFirstName": "Jane",
    "customerLastName": "Doe",
    "customerLoyaltyCardNumber": "0000",
    "customerEmail": "user-temp@oloy.com",
    "customerPhone": "111112222",
    "createdAt": "2018-01-21T09:45:05+0100",
    "value": 100,
    "state": "expired",
    "type": "adding",
    "issuer": "system",
    "expireAt": "2018-02-20T09:45:05+0100"
  }
],
"total": 3
}

```

Add points to customer

To add a new points you will need to call the `/api/points/transfer/add` endpoint with the `POST` method.

Definition

```
POST /api/points/transfer/add
```


Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```
[]
```

3.1.14 Security

These endpoints will allow you to easily manage password.

Change logged user password

To change logged user password you will need to call the `/api/admin/password/change` endpoint with the POST method.

Definition

```
POST /api/admin/password/change
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
currentPassword	query	Current password
plainPassword	query	New password

Example

```
curl http://localhost:8181/api/admin/password/change \
-X "POST" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..." \
-d "currentPassword=example123!@#" \
-d "plainPassword=example321!@#"
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: Your password must be at least 8 characters long. Your password must include both upper and lower case letters. Your password must include at least one number. Your password must contain at least one special character.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "success": true
}
```

Change logged user password (customer)

To change logged customer password you will need to call the `/api/customer/password/change` endpoint with the POST method.

Definition

```
POST /api/customer/password/change
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
currentPassword	query	Current password
plainPassword	query	New password

Example

```
curl http://localhost:8181/api/customer/password/change \
  -X "POST" \
  -H "Accept: application/json" \
  -H "Content-type: application/x-www-form-urlencoded" \
  -H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.. " \
  -d "currentPassword=example123!@#" \
  -d "plainPassword=example321!@#"
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: Your password must be at least 8 characters long. Your password must include both upper and lower case letters. Your password must include at least one number. Your password must contain at least one special character.

Exemplary Response

```
STATUS: 200 OK
```


Open Loyalty

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```
-d "assign[customerLoyaltyCardNumber]=333" \  
-d "assign[customerPhoneNumber]=333333"
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```
{  
  "transactionId": "00000000-0000-1111-0000-000000000002"  
}
```

Exemplary Response

```
STATUS: 400 Bad Request
```

```
{  
  "form": {  
    "children": {  
      "transactionDocumentNumber": {  
        "errors": [  
          "Customer is already assign to this transaction"  
        ]  
      },  
      "customerId": {},  
      "customerLoyaltyCardNumber": {},  
      "customerPhoneNumber": {}  
    }  
  },  
  "errors": []  
}
```

Assign customer to specific transaction (seller)

To assign customer to specific transaction you will need to call the `/api/seller/transaction/customer/assign` endpoint with the POST method.

Definition

```
POST /api/seller/transaction/customer/assign
```


Parameter	Parameter type	Description
Authorization	header	Token received during authentication
assign[transactionDocumentNumber]	query	Transaction Document Number
assign[customerId]	query	Customer ID
assign[customerLoyaltyCardNumber]	query	Customer Loyalty Number
assign[customerPhoneNumber]	query	Customer Phone Number

Example

```
curl http://localhost:8181/api/seller/transaction/customer/assign \
  -X "POST" \
  -H "Accept: application/json" \
  -H "Content-type: application/x-www-form-urlencoded" \
  -H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.. ." \
  -d "assign[transactionDocumentNumber]=123" \
  -d "assign[customerId]=57524216-c059-405a-b951-3ab5c49bae14" \
  -d "assign[customerLoyaltyCardNumber]=333" \
  -d "assign[customerPhoneNumber]=333333"
```

Note: The *eyJhbGciOiJSUzI1NiIsInR5cCI6I.. .* authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "transactionId": "00000000-0000-1111-0000-000000000005"
}
```

Get complete list of all transactions (customer)

To return complete list of all transactions you will need to call the `/api/customer/transaction` endpoint with the GET method.

Definition

```
GET /api/customer/transaction
```


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```
"loyaltyCardNumber": "sa2222",
"address": {
  "street": "Bagno",
  "address1": "12",
  "province": "Mazowieckie",
  "city": "Warszawa",
  "postal": "00-800",
  "country": "PL"
},
"labels": [
  {
    "key": "scan_id",
    "value": "123"
  }
],
"items": [
  {
    "sku": {
      "code": "SKU1"
    },
    "name": "item 1",
    "quantity": 1,
    "grossValue": 1,
    "category": "aaa",
    "maker": "sss",
    "labels": [
      {
        "key": "test",
        "value": "label"
      },
      {
        "key": "test",
        "value": "label2"
      }
    ]
  }
],
{
  "sku": {
    "code": "SKU2"
  },
  "name": "item 2",
  "quantity": 2,
  "grossValue": 2,
  "category": "bbb",
  "maker": "ccc",
  "labels": []
},
"currency": "eur",
"pointsEarned": 6.9
},
{
  "grossValue": 3,
  "transactionId": "00000000-0000-1111-0000-000000000005",
  "documentNumber": "888",
  "purchaseDate": "2018-02-20T09:45:04+0100",
```

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```
"purchasePlace": "wroclaw",
"documentType": "sell",
"customerId": "57524216-c059-405a-b951-3ab5c49bae14",
"customerData": {
  "email": "o@lo.com",
  "name": "Jan Nowak",
  "nip": "aaa",
  "phone": "123",
  "loyaltyCardNumber": "sa21as222",
  "address": {
    "street": "Bagno",
    "address1": "12",
    "province": "Mazowieckie",
    "city": "Warszawa",
    "postal": "00-800",
    "country": "PL"
  }
},
"labels": [
  {
    "key": "scan_id",
    "value": "343"
  }
],
"items": [
  {
    "sku": {
      "code": "SKU1"
    },
    "name": "item 1",
    "quantity": 1,
    "grossValue": 1,
    "category": "aaa",
    "maker": "sss",
    "labels": [
      {
        "key": "test",
        "value": "label"
      },
      {
        "key": "test",
        "value": "label2"
      }
    ]
  },
  {
    "sku": {
      "code": "SKU2"
    },
    "name": "item 2",
    "quantity": 2,
    "grossValue": 2,
    "category": "bbb",
    "maker": "ccc",
    "labels": []
  }
],
```

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```

    "currency": "eur",
    "pointsEarned": 6
  }
],
"total": 2
}

```

Get transaction details

To return transaction details you will need to call the `/api/customer/transaction/<transaction>` endpoint with the GET method.

Definition

```
GET /api/customer/transaction/<transaction>
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<transaction>	query	Transaction ID

Example

```

curl http://localhost:8181/api/customer/transaction/00000000-0000-1111-0000-
↪0000000000003 \
  -X "GET" \
  -H "Accept: application/json" \
  -H "Content-type: application/x-www-form-urlencoded" \
  -H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I..

```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```

{
  "grossValue": 3,
  "transactionId": "00000000-0000-1111-0000-000000000003",
  "documentNumber": "456",
  "purchaseDate": "2018-02-20T09:45:04+0100",
  "purchasePlace": "wroclaw",
  "documentType": "sell",
  "customerId": "00000000-0000-474c-b092-b0dd880c07e1",
  "customerData": {

```

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```
"email": "user@oloy.com",
"name": "Jan Nowak",
"nip": "aaa",
"phone": "123",
"loyaltyCardNumber": "sa2222",
"address": {
  "street": "Bagno",
  "address1": "12",
  "province": "Mazowieckie",
  "city": "Warszawa",
  "postal": "00-800",
  "country": "PL"
},
"labels": [
  {
    "key": "scan_id",
    "value": "123"
  }
],
"items": [
  {
    "sku": {
      "code": "SKU1"
    },
    "name": "item 1",
    "quantity": 1,
    "grossValue": 1,
    "category": "aaa",
    "maker": "sss",
    "labels": [
      {
        "key": "test",
        "value": "label"
      },
      {
        "key": "test",
        "value": "label2"
      }
    ]
  },
  {
    "sku": {
      "code": "SKU2"
    },
    "name": "item 2",
    "quantity": 2,
    "grossValue": 2,
    "category": "bbb",
    "maker": "ccc",
    "labels": []
  }
],
"currency": "eur",
"pointsEarned": 6.9
}
```



```
"grossValue": 3,
"transactionId": "00000000-0000-1111-0000-000000000004",
"documentNumber": "789",
"purchaseDate": "2018-02-20T09:45:04+0100",
"purchasePlace": "wroclaw",
"documentType": "sell",
"customerId": "00000000-0000-474c-b092-b0dd880c07e2",
"customerData": {
  "email": "user-temp@oloy.com",
  "name": "Jan Nowak",
  "nip": "aaa",
  "phone": "123",
  "loyaltyCardNumber": "sa2222",
  "address": {
    "street": "Bagno",
    "address1": "12",
    "province": "Mazowieckie",
    "city": "Warszawa",
    "postal": "00-800",
    "country": "PL"
  }
},
"labels": [
  {
    "key": "scan_id",
    "value": "123"
  }
],
"items": [
  {
    "sku": {
      "code": "SKU1"
    },
    "name": "item 1",
    "quantity": 1,
    "grossValue": 1,
    "category": "aaa",
    "maker": "sss",
    "labels": [
      {
        "key": "test",
        "value": "label"
      },
      {
        "key": "test",
        "value": "label2"
      }
    ]
  },
  {
    "sku": {
      "code": "SKU2"
    },
    "name": "item 2",
    "quantity": 2,
    "grossValue": 2,
    "category": "bbb",
```

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```

    "maker": "ccc",
    "labels": []
  }
],
"currency": "eur"
},
{
  "grossValue": 3,
  "transactionId": "00000000-0000-1111-0000-000000000002",
  "documentNumber": "345",
  "purchaseDate": "2018-02-20T09:45:04+0100",
  "purchasePlace": "wroclaw",
  "documentType": "sell",
  "customerId": "57524216-c059-405a-b951-3ab5c49bae14",
  "customerData": {
    "email": "open@oloy.com",
    "name": "Jan Nowak",
    "nip": "aaa",
    "phone": "123",
    "loyaltyCardNumber": "sa2222",
    "address": {
      "street": "Bagno",
      "address1": "12",
      "province": "Mazowieckie",
      "city": "Warszawa",
      "postal": "00-800",
      "country": "PL"
    }
  }
},
"labels": [
  {
    "key": "scan_id",
    "value": "222"
  }
],
"items": [
  {
    "sku": {
      "code": "SKU1"
    },
    "name": "item 1",
    "quantity": 1,
    "grossValue": 1,
    "category": "aaa",
    "maker": "sss",
    "labels": [
      {
        "key": "test",
        "value": "label"
      },
      {
        "key": "test",
        "value": "label2"
      }
    ]
  }
],
},
{

```

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```

    "sku": {
      "code": "SKU2"
    },
    "name": "item 2",
    "quantity": 2,
    "grossValue": 2,
    "category": "bbb",
    "maker": "ccc",
    "labels": []
  }
],
"currency": "eur",
"pointsEarned": 6
}
],
"total": 2
}

```

Get logged in customer transactions (seller)

To return logged in customer transactions you will need to call the `/api/seller/transaction/customer/<customer>` endpoint with the GET method.

Definition

```
GET /api/seller/transaction/customer/<customer>
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
<customer>	query	Customer ID
documentNumber	query	<i>(optional)</i> Document Number
page	query	<i>(optional)</i> Start from page, by default 1
perPage	query	<i>(optional)</i> Number of items to display per page, by default = 10
sort	query	<i>(optional)</i> Sort by column name
direction	query	<i>(optional)</i> Direction of sorting [ASC, DESC], by default = ASC

Example

```

curl http://localhost:8181/api/seller/transaction/customer/4b32a723-9923-46fc-a2bc-
↪d09767e5e59b \
  -X "GET" \
  -H "Accept: application/json" \
  -H "Content-type: application/x-www-form-urlencoded" \
  -H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.. "

```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

STATUS: 200 OK

```

{
  "transactions": [
    {
      "grossValue": 2200,
      "transactionId": "c13e4e89-2e9a-482d-8ab0-41a8eb9927ed",
      "documentNumber": "214124124130",
      "purchaseDate": "2017-08-23T00:00:00+0200",
      "documentType": "return",
      "customerId": "4b32a723-9923-46fc-a2bc-d09767e5e59b",
      "customerData": {
        "email": "tomasztest8@wp.pl",
        "name": "Firstname+Lastname",
        "nip": "000000000000000",
        "phone": "000000000000000",
        "loyaltyCardNumber": "11111111111",
        "address": {
          "street": "Street+name",
          "address1": "123",
          "province": "Dolnoslaskie",
          "city": "Wroclaw",
          "postal": "00-000",
          "country": "PL"
        }
      },
      "labels": [
        {
          "key": "scan_id",
          "value": "333"
        }
      ],
      "items": [
        {
          "sku": {
            "code": "test0101"
          },
          "name": "Product+name",
          "quantity": 1,
          "grossValue": 2200,
          "category": "Category+Name",
          "maker": "Marker+name",
          "labels": [
            {
              "key": "Label+key",
              "value": "Label+value"
            }
          ]
        }
      ],
      "excludedLevelCategories": [
        "category_excluded_from_level"
      ],
      "currency": "eur"
    }
  ]
}

```

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```

    "phone": "000000000000000",
    "loyaltyCardNumber": "111111111111",
    "address": {
      "street": "Street+name",
      "address1": "123",
      "province": "Dolnoslaskie",
      "city": "Wroclaw",
      "postal": "00-000",
      "country": "PL"
    },
    "labels": [
      {
        "key": "scan_id",
        "value": "123"
      }
    ],
    "items": [
      {
        "sku": {
          "code": "test0101"
        },
        "name": "Product+name",
        "quantity": 1,
        "grossValue": 1500,
        "category": "Category+Name",
        "maker": "Marker+name",
        "labels": [
          {
            "key": "Label+key",
            "value": "Label+value"
          }
        ]
      }
    ],
    "excludedLevelCategories": [
      "category_excluded_from_level"
    ],
    "currency": "eur"
  }
],
"total": 1
}

```

Get complete list of all transactions

To return complete list of all transactions you will need to call the `/api/transaction` endpoint with the GET method.

Definition

```
GET /api/transaction
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
customer-Data_loyaltyCardNumber	query	(optional) Loyalty Card Number
documentType	query	(optional) Document Type
customer-Data_name	query	(optional) Customer Name
customer-Data_email	query	(optional) Customer Email
customer-Data_phone	query	(optional) Customer Phone
customerId	query	(optional) Customer ID
documentNumber	query	(optional) Document Number
posId	query	(optional) POS ID
page	query	(optional) Start from page, by default 1
perPage	query	(optional) Number of items to display per page, by default = 10
sort	query	(optional) Sort by column name
direction	query	(optional) Direction of sorting [ASC, DESC], by default = ASC
labels	query	(optional) Filter transactions by labels. Format "labels[0][key]=label_key & labels[0][value]=first_value & labels[1][key]=another_key"

Example

```
curl http://localhost:8181/api/transaction \
  -X "GET" \
  -H "Accept: application/json" \
  -H "Content-type: application/x-www-form-urlencoded" \
  -H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

```
{
  "transactions": [
    {
      "grossValue": 3,
      "transactionId": "00000000-0000-1111-0000-000000000003",
      "documentNumber": "456",
      "purchaseDate": "2018-02-20T09:45:04+0100",
      "purchasePlace": "wroclaw",
      "documentType": "sell",
      "customerId": "00000000-0000-474c-b092-b0dd880c07e1",
    }
  ]
}
```

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```
"customerData": {
  "email": "user@oloy.com",
  "name": "Jan Nowak",
  "nip": "aaa",
  "phone": "123",
  "loyaltyCardNumber": "sa2222",
  "address": {
    "street": "Bagno",
    "address1": "12",
    "province": "Mazowieckie",
    "city": "Warszawa",
    "postal": "00-800",
    "country": "PL"
  }
},
"labels": [
  {
    "key": "scan_id",
    "value": "123"
  }
],
"items": [
  {
    "sku": {
      "code": "SKU1"
    },
    "name": "item 1",
    "quantity": 1,
    "grossValue": 1,
    "category": "aaa",
    "maker": "sss",
    "labels": [
      {
        "key": "test",
        "value": "label"
      },
      {
        "key": "test",
        "value": "label2"
      }
    ]
  }
],
{
  "sku": {
    "code": "SKU2"
  },
  "name": "item 2",
  "quantity": 2,
  "grossValue": 2,
  "category": "bbb",
  "maker": "ccc",
  "labels": []
}
],
"currency": "eur",
"pointsEarned": 6.9
},
```

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```
{
  "grossValue": 3,
  "transactionId": "00000000-0000-1111-0000-000000000005",
  "documentNumber": "888",
  "purchaseDate": "2018-02-20T09:45:04+0100",
  "purchasePlace": "wroclaw",
  "documentType": "sell",
  "customerId": "57524216-c059-405a-b951-3ab5c49bae14",
  "customerData": {
    "email": "o@lo.com",
    "name": "Jan Nowak",
    "nip": "aaa",
    "phone": "123",
    "loyaltyCardNumber": "sa21as222",
    "address": {
      "street": "Bagno",
      "address1": "12",
      "province": "Mazowieckie",
      "city": "Warszawa",
      "postal": "00-800",
      "country": "PL"
    }
  },
  "labels": [
    {
      "key": "scan_id",
      "value": "234"
    }
  ],
  "items": [
    {
      "sku": {
        "code": "SKU1"
      },
      "name": "item 1",
      "quantity": 1,
      "grossValue": 1,
      "category": "aaa",
      "maker": "sss",
      "labels": [
        {
          "key": "test",
          "value": "label"
        },
        {
          "key": "test",
          "value": "label2"
        }
      ]
    },
    {
      "sku": {
        "code": "SKU2"
      },
      "name": "item 2",
      "quantity": 2,
      "grossValue": 2,
```

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Open Loyalty

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

Update transaction labels

To update transaction labels you will need to log in as admin and call the `/api/admin/transaction/labels` endpoint with the POST method.

Definition

```
POST /api/admin/transaction/labels
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
transaction_labels[transactionId]	query	Transaction ID
transaction_labels[labels][0][key]	query	(optional) First label key
transaction_labels[labels][0][value]	query	(optional) First label value
transaction_labels[labels][1][key]	query	(optional) Second label key
transaction_labels[labels][1][value]	query	(optional) Second label value

Example

```
curl http://localhost:8181/api/transaction \
-X "POST" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..." \
-d "transaction_labels[transactionId]=00000000-0000-1111-0000-000000000000" \
-d "transaction_labels[label][0][key]=some label" \
-d "transaction_labels[label][0][value]=some value"
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

Add new transaction labels as customer

To update transaction labels you will need to log in as customer and call the `/api/customer/transaction/labels/append` endpoint with the PUT method. Customer can only add new labels to transaction which is assigned to him.

Definition

```
POST /api/customer/transaction/labels/append
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication
append[transactionDocumentNumber]	query	Transaction ID
append[labels][0][key]	query	(optional) First label key
append[labels][0][value]	query	(optional) First label value
append[labels][1][key]	query	(optional) Second label key
append[labels][1][value]	query	(optional) Second label value

Example

```
curl http://localhost:8181/api/transaction \
-X "POST" \
-H "Accept: application/json" \
-H "Content-type: application/x-www-form-urlencoded" \
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6I.. " \
-d "append[transactionDocumentNumber]=123" \
-d "append[label][0][key]=some label" \
-d "append[label][0][value]=some value"
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6I..` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Exemplary Response

```
STATUS: 200 OK
```

Get available item labels

To return available labels you will need to call the `/api/transaction/item/labels` endpoint with the GET method.

Definition

```
GET /api/transaction/item/labels
```

Parameter	Parameter type	Description
Authorization	header	Token received during authentication

Example

```
curl http://localhost:8181/api/transaction/item/labels \  
-X "GET" \  
-H "Accept: application/json" \  
-H "Content-type: application/x-www-form-urlencoded" \  
-H "Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6..."
```

Note: The `eyJhbGciOiJSUzI1NiIsInR5cCI6...` authorization token is an exemplary value. Your value can be different. Read more about Authorization in the.

Note: The `label` or `label2` are an exemplary values. You can name labels as you like.

Exemplary Response

```
STATUS: 200 OK
```

```
{  
  "labels": {  
    "test": [  
      "label",  
      "label2"  
    ]  
  }  
}
```

Number of points which can be obtained after registering such transaction

To return number of points which can be obtained after registering such transaction you will need to call the `/api/transaction/simulate` endpoint with the `POST` method.

Definition

```
POST /api/transaction/simulate
```

Example

```
curl http://localhost:8181/api/transaction/simulate \  
-X "POST" \  
-H "Accept: application/json" \  
-H "Content-type: application/json"
```

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Exemplary Response

STATUS: 200 OK

```
{
  "grossValue": 3,
  "transactionId": "00000000-0000-1111-0000-000000000005",
  "documentNumber": "888",
  "purchaseDate": "2018-02-20T09:45:04+0100",
  "purchasePlace": "wroclaw",
  "documentType": "sell",
  "customerId": "57524216-c059-405a-b951-3ab5c49bae14",
  "customerData": {
    "email": "o@lo.com",
    "name": "Jan Nowak",
    "nip": "aaa",
    "phone": "123",
    "loyaltyCardNumber": "sa21as222",
    "address": {
      "street": "Bagno",
      "address1": "12",
      "province": "Mazowieckie",
      "city": "Warszawa",
      "postal": "00-800",
      "country": "PL"
    }
  },
  "labels": [
    {
      "key": "scan_id",
      "value": "123"
    }
  ],
  "items": [
    {
      "sku": {
        "code": "SKU1"
      },
      "name": "item 1",
      "quantity": 1,
      "grossValue": 1,
      "category": "aaa",
      "maker": "sss",
      "labels": [
        {
          "key": "test",
          "value": "label"
        },
        {
          "key": "test",
          "value": "label2"
        }
      ]
    }
  ],
  {
    "sku": {
      "code": "SKU2"
    }
  }
}
```

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```
    },  
    "name": "item 2",  
    "quantity": 2,  
    "grossValue": 2,  
    "category": "bbb",  
    "maker": "ccc",  
    "labels": []  
  }  
],  
"currency": "eur",  
"pointsEarned": 6  
}
```

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