easyPack API-IT Documentation v.4

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1. Overall

The InPost Parcel Machines solution is a service of automated outdoor mailboxes enabling sending and receiving parcels.

1.1. Parcel life cycle

The basic elements of this cycle (in the InPost systems) are:

- *created*

  eShop creates the parcel (after registering a set of required parameters), this will create a parcel at InPost Central System. At this stage, the parcel is not paid, and therefore, if it is cancelled, it will not generate any additional fee or process for its refunding.

- *prepared*

  eShop pays for the Parcel in the InPost system. As part of this step, eShop will need to print the label from the InPost system (or its own) and put the label on the package. This is the first step of the dispatch process and the parcel is ready for shipping.

- *sent*

  When a parcel achieves this status, it means that it has reached the beginning of the shipment process (from the source point): a) the courier has picked up or b) the eshop has delivered the parcel to an agency point.

- *in_transit*

  The parcel is being transported from its source point to the target parcel machine.

- *stored*

  The parcel has reached the target parcel machine and it is ready to be taken by its receiver. A notification is sent to the customer (via email and/or SMS) with the collection/reception code and location of the Parcel Locker to be picked up.

- *delivered*

  Once the customer picks up the parcel from the Parcel Locker, the status is set to “Delivered” and the life cycle is completed.

Other statuses that InPost Systems also use:

- *avizo*

  The parcel has not been collected in a specific period. This triggers a remainder notification that the parcel is waiting to be picked up.

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- *expired*

  The parcel has not been collected by the receiver and it cannot be taken out from the parcel machine any more. Therefore, it is taken to an agency.

- *returned_to_agency*

  The parcel is waiting for its collection at the agency.

- *delivered_to_agency*

  An additional status when parcel is delivered back to the agency.

- *cancelled*

  The parcel that is in sent status was annulled and it's no longer available for using.

- *label_expired*

  Label is no more valid – Parcel Terminal will not allow to send this parcel.

- *not_delivered*

  Logistic partner requested to Cancel Terminal as Delivery Channel.

- *claimed*

  Parcel processed by operations into this status in order to prevent Customer from collecting parcel.

- *missing*

  There is no Parcel in compartment opened to the Courier for Pickup.

1.2. Available parcel size sections

There are three predefined package dimension ranges. They differ in the lockers maximum height, while both other dimensions - the width and the depth are constant values, i.e.:

- *A (SMALL)*
  8 cm x 38 cm x 64 cm
- *B (MEDIUM)*
  19 cm x 38 cm x 64 cm
- *C (LARGE)*
  41 cm x 38 cm x 64 cm

1.3. Additional features

The machines support the payment functionality thanks to which our clients are able to buy their goods in the "cash on delivery" (COD) scenario.

Additionally, the parcels may be insured to a previously agreed level.

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1.4. Availability

From the Central Systems perspective, the machines are available with no limitations for everybody twenty four hours a day, seven days a week, allowing the collection of the end users parcels at any chosen time of day or night. This flexibility also leads to in the reduction of the end users final shipping charge, by reducing the costs of the first mile and the last mile of the parcels' life cycle.

1.5. Integration

To enable the use of our services to as wide audience as possible, we have prepared several integration channels with diverse store systems and platforms for our customers. One of the common used ones is the Application Programming Interface, hereinafter referred to as the API.

2. Application Programming Interface (API)

The API is accessible through the HTTP protocol, and provides the information which is necessary to integrate with the InPost Parcel Machines solution , e.g. the possibility of listing the installed machines, searching for a particular machine, finding the machine which is closest to a selected location, preparing the parcels, checking its status and many more.

Its idea is based on the REST software architecture style, what makes its structure clear and logically predictable. It is divided into several REST resources in scope of which a customer may request for particular functionalities. All of these functionalities are access restricted, what enables its users to register in the InPost Parcel Machines system, and obtain the authorized access token.

The InPost Parcel Machines API is placed at this *URI*: https://api-it.easypack24.net/v4.

2.1. Requests

As REST stands, the API uses different request commands to take different actions on the same resource, e.g. sending the request data to machine resource using the *POST* request command will result in creating the resource, while sending it using the *PATCH* command will update the machine, but the *GET* request used on the same path will return the resource. Generally, there are three types of request commands:

2.1.1. POST

According to the HTTP/1.1 specification: The *POST* method is used to request that the origin server accept the entity enclosed in the request as a new subordinate of the resource identified by the *Request-URI* in the *Request-Line*.

In other words - the *POST* request command should be used to submit the data to be processed by our API

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2.1.2. GET

As the HTTP/1.1 specification stands: The *GET* method means retrieve whatever information (in the form of an entity) is identified by the Request-URI.

What means, that the *GET* request method should be used to obtain the necessary data, from a specific resource in a current customers scope.

There is one important thing to explain. In some particular cases the default *GET* request may by expanded with additional input arguments passed in the request query string. If some resource enables that, it is noticed in the document below.

2.1.3. PUT (PATCH)

Referring to the HTTP/1.1 specification once more: The *PUT* method requests that the enclosed entity be stored under the supplied Request-URI. If the Request-URI refers to an already existing resource, the enclosed entity should be considered as a modified version of the one residing on the origin server.

That is why the *PUT* method should be used to update an existing object in the Central System through the API.

There is also one more detail worth mentioning. As the RFC defined *PUT* request method updates the source object data with the given data only (what can cause accidental deleting of data), while *PATCH* method combines the data provided in a request and the data already stored in the Central System, InPost Parcel Machines API uses the *PUT* request method in the way in which *PATCH* method works.

2.2. Response

Generally, regular responses from the InPost Parcel Machines API have a common structure. An example of it is listed below.

Example response

```
{
    "_links": {
        "next": {
            "href": "/v4/resource_name?page=3&per_page=1"
        },
        "previous": {
            "href": "/v4/resource_name?page=1&per_page=1"
        },
        "self": {
            "href": "/v4/resource_name?page=2&per_page=1"
        }
    },
    "total_count": 10,
    "_embedded": {
        "resource_name": [
                A particular resource structure represented as an array of any object
```


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```
type, either a string value, or some objects comlex structure.
        ]
    }
}
```

However some particular resources may have a response that will differ from this base somehow. If so, then it is noticed in the resources' example description.

Error example

```
{
  "status_code": 401,
  "error_code": "token_invalid",
  "message": "Token is missing or invalid"
}
```

2.3 Authorization Access Token

The API resources may be accessed only with a correct registered users access token provided in its headers *Authorization* field. Please consult the Inpost representative in order to receive a valid token. An example of the token passing is provided below:

Example:

```
{
    "Authorization: Bearer ...50m370k3n6o3543r3..."
}
```


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3. Requests Cheatsheet

Cities

All cities list	GET /v4/cities

Machines

All machines list	GET /v4/machines
Machine's data	GET /v4/machines/:id

Parcels

Parcel's data	GET /v4/parcels/:id
Updating reference	PUT (PATCH) /v4/parcels/:id
Paying for a parcel	POST /v4/parcels/:parcel_id/pay
Cancelling a parcel	POST /v4/parcels/:parcel_id/cancel
Getting sticker	GET /v4/parcels/:parcel_id/sticker
Expanding parcel's avizo_time	POST /v4/parcels/:parcel_id/expand_avizo

Customers

Customer's data	GET /v4/customers/:id
Updating a customer	PUT (PATCH) /v4/customers/:id
Customer's parcels	GET /v4/customers/:customer_id/parcels
Creating a parcel	POST /v4/customers/:customer_id/parcels
Customer's pricelists	GET /v4/customers/:customer_id/pricelists

Returns

Creating a return	POST /v4/customers/:customer_id/returns
Customer's return	GET /v4/customers/:customer_id/returns
Return's data	GET /v4/returns/:return_id
Getting return's sticker	GET /v4/returns/:return_id/sticker

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4. Available resources

The resources provided by the API should be treated as the REST specification states. These are the scopes of interests, the sets of functionalities regarding anything that is important enough to be referenced as a thing in itself.

There is one important consequence of the REST software architecture style usage which needs to be emphasized. In some specific situation the resources can be nested. For instance. Parcels are created and paid for at the parcels resource, in the scope of a particular customer authorisation token (please see the Creating a Parcel example: POST /v4/customers/:customer_id/parcels) . So are the customers - they are created, edited at the customers resource.

4.1 Cities

This resource is responsible for information regarding the service's city coverage.

4.1.1. All cities list

A *GET* request method sent to the *cities* resource will return a listing of all cities in which the service works. Response is cached for 10 minutes.

NOTE! For API versions older than 4.9 the data is accessible only for the request with user's access token passed in the request header.

Request

```
GET /v4/cities
```

Request in cURL

```
curl https://api-it.easypack24.net/v4/cities
```

Request in PHP

```
<?php
$baseUrl = 'https://api-it.easypack24.net';
$path    = '/v4/cities;

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);

$rawResponse = curl_exec($ch);

curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

url = 'https://api-it.easypack24.net/v4/cities

response = RestClient.get(url)
```


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Sample Response

```
{
    "_links": {
        "self": {
            "href": "/v4/cities"
        }
    },
    "total_count": 44,
    "_embedded": {
        "cities": ["GALLARATE", "TORTONA", "Roma", … , "Abbiategrasso"]
    }
}
```

4.2. Machines

This resource is responsible for machines data presentation.

4.2.1. All Machines List

A *GET* request method sent to the *machines* resource will return a listing of all machines. Response is cached for 10 minutes.

Request

```
GET /v4/machines
```

Supported Parameters

Parameter's name	Required?	Description	Default value
city	no	Name of the city, up to 255 characters.	null
limit	no	Value in the range [1, 10000]	*10000*
status	no	*Operating* or *NonOperating*	*Operating*
function	no	Parcel Machine's function: *avizo*, *laundry*, *cool_parcel_collect*, *air_on_airport* or *parcel*	*parcel*
location	no	Array - see the table below.	null
post_code	no	A valid postcode.	null
province	no	Province's name, max. 100 characters.	null
sort_by	no	*target_from_point*, *name* or *status*	*name* or *target_from_point*
sort_order	no	*asc* or *desc*	*asc*

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type	no	*0*, *1* or *3*	null

Parameters of ***location***:

Parameter's name	Required?	Description	Default value
location[distance]	no	Number greater than 0 (distance in meters)	null
location[latitude]	no	Value in the range [-90, 90], required if the ***location[post_code]*** is not provided.	null
location[longitude]	no	Value in the range [-180, 180], required if the ***location[post_code]*** is not provided.	null
location[post_code]	no	A valid postcode. Not required if ***location[latitude]*** and ***location[longitude]*** are provided.	null

Request in cURL

```
curl https://api-it.easypack24.net/v4/machines
```

Request in PHP

```
<?php
$baseUrl = 'https://api-it.easypack24.net';
$path    = '/v4/machines';

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);

$rawResponse = curl_exec($ch);

curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

url = 'https://api-it.easypack24.net/v4/machines'

response = RestClient.get(url)
```

Sample request with geolocation parameters (latitude and longitude)

```
https://api-
it.easypack24.net/v4/machines?location[latitude]=45.76773&location[longitude]=9.80988&location[
distance]=2000
```

Sample request with geolocation parameters (post_code and distance)

```
https://api-it.easypack24.net/v4/machines?location[post_code]=20081&location[distance]=1000
```


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Sample responses

- All machines list is returned (status: 200):

```
{
  _links: {
    self: {
      href: "/v4/machines"
    }
  }
  total_count: 1003,
  _embedded: {
    machines: [machine_1[1], machine_2, … , machine_n]
  }
}
```

- Provided *post_code* not found in the database (status: 404):

```
{
    "status_code": 404,
    "error_code": "post_code_not_found",
    "message": "Given post code 00000 not found.",
    "errors": {}
}
```

- Validation errors occurred (status: 404):

```
{
    "status_code": 422,
    "error_code": "validation_failed",
    "message": "There are some validation errors",
    "errors": {
        "function": [
            "invalid"
        ]
    }
}
```

4.2.2. Machine's Data

A *GET* request method sent to the *machines* resource with a particular machine's identifier given will return the detailed data regarding the machine.

Request

```
GET /v4/machines/:id
```

Request in cURL

```
curl https://api-it.easypack24.net/v4/machines/ITALB17691 -X GET
```

Request in PHP

```
<?php
$machineName = "ITALB17691";
```

[1] Machine data is represented by a hash. You can find its structure in a Machine's Data (Sample Response) chapter.

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```
$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/machines/$machineName";

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);

$rawResponse = curl_exec($ch);

curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

machine_id = 'ITALB17691'

url = "https://api-it.easypack24.net/v4/machines/#
{machine_id}"
response = RestClient.get(url)
```

Sample Response

```
{
  "_links": {
    "self": {
      "href": "/v4/machines/ITALB17691"
    },
    "minimap": {
      "href":
"http://maps.googleapis.com/maps/api/staticmap?size=800x400&center=45.76773,9.80988&z
oom=15&markers=color:blue%7Clabel:X%7C45.76773,9.80988"
    }
  },
  "id": "ITALB17691",
  "type": 0,
  "services": [
    "parcel"
  ],
  "payment_type": 2,
  "address": {
    "street": "Via Provinciale",
    "building_no": "64/B",
    "post_code": "24021",
    "city": "Albino",
    "province": "BG"
  },
  "status": "Operating",
  "address_str": "Via Provinciale 64/B, Albino",
  "location": [
    45.76773,
    9.80988
  ],
  "location_description": "Carrefour Via Provinciale 64",
  "operating_hours": "24/7"
}
```


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4.3. Parcels

This resource gives the possibility of an already created parcel management.

4.3.1. Parcel's Data

A *GET* request method sent to the *parcels* resource with a particular parcel's identifier given will return the detailed data regarding the parcel. It returns different data set depending on the user's access token scope.

Request

```
GET /v4/parcels/:id
```

Request in cURL

```
curl https://api-it.easypack24.net/v4/parcels/PUT_YOUR_PARCEL_ID_HERE
 -X GET -H "Authorization: Bearer your_token"
```

Request in PHP

```
<?php
$token = 'PUT YOUR ACCESS TOKEN HERE';
$parcelId  = 'PUT YOUR PARCEL ID HERE';

$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/parcels/$parcelId";
$headers = array(
  "Authorization: Bearer $token"
);

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);

$rawResponse = curl_exec($ch);
curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

parcel_id = 'PUT YOUR PARCEL ID HERE'
token = 'PUT YOUR ACCESS TOKEN HERE'

url = "https://api-it.easypack24.net/v4/parcels/#{parcel_id}"
headers = { Authorization: "Bearer #{token}" }

response = RestClient.get(url, headers)
```

Sample responses

- When you are a resource owner (sender)

```
{
  "_links": {
```


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```
    "self": {
      "href": "/v4/shipments/CP000067548IT"
    },
    "source_machine": {
      "href": "/v4/machines/ITBRE17174"
    },
    "target_machine": {
      "href": "/v4/machines/ITBRE19018"
    },
    "receiver": {
      "href": "/v4/customers/receiver%2540easypack.it"
    },
    "sender": {
      "href": "/v4/customers/sender%2540easypack.it"
    },
    "sticker": {
      "href": "/v4/shipments/CP000067548IT/sticker"
    }
  },
  "id": "CP000067548IT",
  "created_at": "2015-10-23T13:35:23.611+02:00",
  "status": "created",
  "calculated_amount": "2.0",
  "charged_amount": "0.0",
  "dropoff_code": "0",
  "receiver_email": "receiver@easypack.it",
  "avizo_time": 2880,
  "expiration_time": 1440,
  "size": "B",
  "target_machine_id": "ITBRE19018",
  "receiver_phone": "3888000088",
  "sender_email": "sender@easypack.it",
  "sender_phone": "3881000088",
  "cod_amount": "0.0",
  "service": "STANDARD",
  "skip_pickup_point": false,
  "additional1": "123456789",
  "sender_address": {
    "street": "Via Provinciale",
    "building_no": "15",
    "post code": "24021",
    "city": "CANICATTI' E BORGALINO",
    "first_name": "Send",
    "last_name": "Sender",
    "email": "sender@easypack.it",
    "phone": "3881000088"
  }
}
```


- When you are a receiver


```
{
  "_links": {
    "self": {
      "href": "/v4/shipments/CP000067548IT"
    },
```


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```
    "source_machine": {
      "href": "/v4/machines/ITBRE17174"
    },
    "target_machine": {
      "href": "/v4/machines/ITBRE19018"
    },
    "receiver": {
      "href": "/v4/customers/receiver%2540easypack.it"
    },
    "sender": {
      "href": "/v4/customers/sender%2540easypack.it"
    },
    "sticker": {
      "href": "/v4/shipments/CP000067548IT/sticker"
    }
  },
  "id": "CP000067548IT",
  "created_at": "2015-10-23T13:35:23.611+02:00",
  "status": "created",
  "pickup_code": "790775",
  "receiver_email": "receiver@easypack.it",
  "avizo_time": 2880,
  "expiration_time": 1440,
  "size": "B",
  "target_machine_id": "ITBRE19018",
  "receiver_phone": "3888000088",
  "sender_email": "sender@easypack.it",
  "sender_phone": "3881000088",
  "cod_amount": "0.0",
  "service": "STANDARD",
  "skip_pickup_point": false,
  "additional1": "123456789",
  "sender_address": {
    "street": "Via Provinciale",
    "building_no": "15",
    "post_code": "24021",
    "city": "CANICATTI' E BORGALINO",
    "first_name": "Send",
    "last_name": "Sender",
    "email": "sender@easypack.it",
    "phone": "3881000088"
  }
}
```


- When you are not a sender or receiver


```
{
  "_links": {
    "self": {
      "href": "/v4/shipments/CP000067548IT"
    }
  },
  "id": "CP000067548IT",
  "created_at": "2015-10-23T13:35:23.611+02:00",
  "status": "created"
}
```


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4.3.2. Updating Parcel's reference

As long, as the parcel is in the *Created* status, there is a possibility to update the parcel's customer reference field. The information given to this field via the *PUT* request method will be shown on a standard InPost label.

Request

```
PUT (PATCH) /v4/parcels/:id
```

Request in cURL

```
curl https://api-it.easypack24.net/v4/parcels/PUT_PARCEL_ID_HERE -d
'{"customer_reference":"New customer reference","size":"A"}' -
X PUT -H "Content-Type: application/json" -H "Authorization:
Bearer your_token”
```

Request in PHP

```
<?php
$parcelId = 'PUT PARCEL ID HERE';
$token = 'PUT YOUR ACCESS TOKEN HERE';

$data = array(
    "customer_reference" => "New customer reference",
    "size" => "A"
);

$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/parcels/$parcelId";

$headers = array(
  "Authorization: Bearer $token",
  "Content-Type: application/json"
);

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_CUSTOMREQUEST, "PUT");
curl_setopt($ch, CURLOPT_POSTFIELDS, json_encode($data));
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);

$rawResponse = curl_exec($ch);
curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

parcel_id = 'PUT YOUR PARCEL ID HERE'
token = 'PUT YOUR ACCESS TOKEN HERE'

body = { customer_reference: 'New customer reference',
         size: 'A' }

url = "https://api-it.easypack24.net/v4/parcels/#{parcel_id}"
headers = { Authorization: "Bearer #{token}" }
```


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```
response = RestClient.put(url, body, headers)
```

Supported parameters

a) ***customer_reference*** – string value, the reference of your parcel.

Response

A parcel view with updated reference renders as a response[3].

4.3.3. Paying for a Parcel

An empty *POST* request sent to the *parcels pay* resource with a particular parcel's identifier given, will result in paying for the parcel. This action is possible to be taken on the parcels which are in the *Created* status only.

Request

```
POST /v4/parcels/:parcel_id/pay
```

Request in cURL

```
curl
https://api-it.easypack24.net/v4/parcels/PUT_PARCEL_ID_HERE/pay -X POST -H
"Authorization: Bearer your_token"
```

Request in PHP

```
<?php
$token = 'PUT YOUR ACCESS TOKEN HERE';
$parcelId = 'PUT PARCEL ID HERE';

$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/parcels/$parcelId/pay";

$headers = array(
  "Authorization: Bearer $token"
);

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_CUSTOMREQUEST, "POST");
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);

$rawResponse = curl_exec($ch);
curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

parcel_id = 'PUT YOUR PARCEL ID HERE'
```

---

[2] Parcel's data is represented by a hash. You can find its structure in a Parcel''s Data (sample response) chapter.

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```
token = 'PUT YOUR ACCESS TOKEN HERE'

url = "https://api-it.easypack24.net/v4/parcels/#{parcel_id}/pay"
headers = { Authorization: "Bearer #{token}" }

response = RestClient.post(url, nil, headers)
```

Response

When succeeded, the parcel view with an updated status renders as a response.

4.3.4. Cancelling a Parcel

An empty *POST* request sent to the *parcels cancel* resource with a particular parcel's identifier given, will result in cancelling a particular parcel's life cycle – it will not be processed now or in the future. This action is possible to be taken on the parcels which are in the *Created* status only.

Request

```
POST /v4/parcels/:parcel_id/cancel
```

Request in cURL

```
curl
https://api-it.easypack24.net/v4/parcels/PUT_PARCEL_ID_HERE/cancel -X POST -H
"Authorization: Bearer your_token"
```

Request in PHP

```
<?php
$token = 'PUT YOUR ACCESS TOKEN HERE';
$parcelId = 'PUT YOUR PARCEL ID HERE';

$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/parcels/$parcelId/cancel";

$headers = array(
  "Authorization: Bearer $token"
);

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_CUSTOMREQUEST, "POST");
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);

$rawResponse = curl_exec($ch);
curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

parcel_id = 'PUT YOUR PARCEL ID HERE'
token = 'PUT YOUR ACCESS TOKEN HERE'
```


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```
url = "https://api-it.easypack24.net/v4/parcels/#{parcel_id}/cancel"
headers = { Authorization: "Bearer #{token}" }

response = RestClient.post(url, nil, headers)
```

Response

The parcel view with an updated status renders on success.

4.3.5. Getting a Parcel's sticker

An empty *GET* request sent to the *parcels sticker* resource with a particular parcel's identifier given, will result in generating and returning a PDF structure of a parcel label.

Request

```
GET /v4/parcels/{parcel_id}/sticker
```

Supported parameters

a) ***sticker_format***- a sticker can be printed in two formats : *pdf* or *zpl*,

b) ***sticker_type*** – a sticker can be printed in two different sizes: *normal* (A4 format) or *a6p*.

Sample request (sticker's format=ZPL)

```
GET /v4/parcels/PARCEL_ID/sticker?format=Zpl > PARCEL_ID.zpl
```

Sample request (sticker's format=PDF, type=normal)

```
 GET /v4/parcels/PARCEL_ID /sticker?type=normal > PARCEL_ID.pdf
```

Request in cURL

```
curl
https://api-fr.easypack24.net/v4/parcels/PUT_YOUR_PARCEL_ID_HERE/sticker -X GET -H
"Authorization: Bearer your_token"
```

Request in PHP

```
<?php
$token = 'PUT YOUR ACCESS TOKEN HERE';
$parcelNumber = 'PUT YOUR PARCEL ID HERE';

$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/parcels/$parcelId/sticker";

$headers = array(
  "Authorization: Bearer $token"
);

$ch = curl_init() or die (curl_error($ch));
$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
```


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```
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);

$rawResponse = curl_exec($ch);

$filename = 'sticker.pdf';

file_put_contents("./$filename", $rawResponse);
curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

parcel_id = 'PUT YOUR PARCEL ID HERE'
token = 'PUT YOUR ACCESS TOKEN HERE'
file_name = 'sticker.pdf'

url = "https://api-it.easypack24.net/v4/parcels/#{parcel_id}/sticker"
headers = { Authorization: "Bearer #{token}" }

response = RestClient.get(url, headers)

File.open(file_name, 'w') { |f| f.write(response.body) }
```

Response

The parcel sticker in *.pdf or *.zpl format in two formats- normal and A6

Sample responses

a) a parcel sticker has been downloaded (status:200)

```
# binary file of given name (default: sticker_PARCEL_ID.pdf)
```

b) a parcel has not been found (status: 404)

```
{
    "status_code": 404,
    "error_code": "parcel_not_found",
    "message": "Parcel '12345' not found.",
    "errors": {}
  }
```

c) validation errors have occurred (status: 422)

```
{
    "status_code": 422,
    "error_code": "validation_failed",
    "message": "There are some validation errors",
    "errors": {
        "type": [
            "invalid"
        ]
    }
}
```


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d) a parcel sticker cannot be downloaded due to parcel invalid status (status: 422)

```
{
    "status_code": 422,
    "error_code": "parcel_invalid_status",
    "message": "Parcel '12345' has got invalid status ('Created').",
    "errors": {}
}
```

e) a label type not supported for a given format (status: 422)

```
{
  "status_code": 422,
  "error_code": "sticker_generation_failed",
  "message": "Label types other than A6P not supported yet in Zpl format",
  "errors": {}
}
```

4.3.6. Expanding a time for picking up a parcel in *Avizo* or *Expand* status

An empty *POST* request sent to the *parcels expand_avizo* resource with a particular parcel's identifier given, will result in expanding the parcel's *avizo_time*. This action is possible to be taken by receiver on the parcels which are in the *Avizo* or *Expand* status only.

Request

```
POST /v4/parcels/:parcel_id/expand_avizo
```

Request in cURL

```
curl
https://api-it.easypack24.net/v4/parcels/PUT_PARCEL_ID_HERE/expand_avizo -X POST -H
"Authorization: Bearer your_token"
```

Request in PHP

```
<?php
$token = 'PUT YOUR ACCESS TOKEN HERE';
$parcelId = 'PUT YOUR PARCEL ID HERE';

$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/parcels/$parcelId/expand_avizo";

$headers = array(
  "Authorization: Bearer $token"
);

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_CUSTOMREQUEST, "POST");
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);

$rawResponse = curl_exec($ch);
curl_close($ch);
```


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Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

parcel_id = 'PUT YOUR PARCEL ID HERE'
token = 'PUT YOUR ACCESS TOKEN HERE'

url = "https://api-it.easypack24.net/v4/parcels/#{parcel_id}/expand_avizo"
headers = { Authorization: "Bearer #{token}" }

response = RestClient.post(url, nil, headers)
```

Response

The parcel view with an updated *avizo_time* renders on success.

4.4. Customers

This resource enables the basic customers operations in the scope of the current users access token passed in the request header.

4.4.1. Customer's Data

A *GET* request method sent to the *customers* resource with a particular user's identifier given will return the detailed data regarding the customer. It returns different data set depending on the user's access token scope. The entire particular customer's profile data is accessible only for the request with that user's access token passed in the request header.

Request

```
GET /v4/customers/:id
```

Request in cURL

```
Curl https://api-it.easypack24.net/v4/customers/PUT_YOUR_EMAIL_HERE -X GET -H
"Authorization: Bearer PUT_YOU_ACCESS_TOKEN_HERE"
```

Request in PHP

```
<?php
$customerEmail = 'PUT YOUR EMAIL HERE';
$token = 'PUT YOUR ACCESS TOKEN HERE';

$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/customers/$customerEmail";

$headers = array(
  "Authorization: Bearer $token"
);

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
```


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```
$rawResponse = curl_exec($ch);
curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

email = 'PUT YOUR EMAIL HERE'
token = 'PUT YOUR ACCESS TOKEN HERE'

url = "https://api-it.easypack24.net/v4/customers/#{email}"
headers = { Authorization: "Bearer #{token}" }

response = RestClient.get(url, headers)
```

Sample responses

a) When you are a resource owner

```
{
  "_links": {
    "self": {
      "href": "/v4/customers/receiver%2540easypack.it"
    },
    "default_machine": {
      "href": "/v4/machines/AG023"
    }
  },
  "email": "receiver@easypack.it",
  "default_machine_id": "AG023",
  "first_name": "Custom",
  "last_name": "Customer",
  "company_name": "I",
  "phone": "3888000088",
  "account_balance": "90.38",
  "debit_limit": "500.0",
  "iban": "IT40S0542811101000000123456",
  "address": {
    "street": "VIA DE GASPERI",
    "building_no": "11",
    "post_code": "92024",
    "city": "CANICATTI' E BORGALINO"
  }
}
```

- b) When you are not a resource owner

```
{
  "_links": {
    "self": {
      "href": "/v4/customers/receiver%2540easypack.it"
    },
    "default_machine": {
      "href": "/v4/machines/AG023"
    }
```


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```
  },
  "email": "receiver@easypack.it",
  "default_machine_id": "AG023"
}
```

4.4.2. Updating a Customer

This allows you to update your easyPack accout.

A *PUT* request method sent to the *customers* resource with a particular user's identifier given will update the customer with the passed data.

Request

```
PUT (PATCH) /v4/customers/:id
```

Supported parameters:

a) ***first_name*** – string value,

b) ***last_name*** – string value,

c) ***phone*** – string value, phone number format,

d) ***iban*** – string value, correct IBAN number*

swift – string value, correct SWIFT numer compian with ISO9362*

* validated if both parameters (iban, swift) were passed

e) ***default_machine_id*** – string value, existing box machine id,

f) ***short_name*** – string value,

g) ***address*** (fields: ***building_no*** – string, ***flat_no*** – string, ***street*** – string, ***post_code*** – string, valid post code, ***province*** – string, ***city*** – string) – address data, validated if at least one field was passed.

4.4.3. Customer's Parcels

A *GET* request method sent to the *customers parcels* resource with a particular customer's identifier given will return a collection of this customer's parcels. It is accessible only for the request with the queried user's access token passed in the request header.

Request

```
GET /v4/customers/:customer_id/parcels
```

Request in cURL

```
curl https://api-it.easypack24.net/v4/customers/PUT_YOUR_EMAIL_HERE/parcels -X GET -H
"Authorization: Bearer your_access_token"
```


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Request in PHP

```
<?php
$customerEmail = 'PUT YOUR EMAIL HERE YOU HAVE REGISTERED WITH INPOST';
$token = 'PUT YOUR ACCESS TOKEN HERE';

$baseUrl = 'https://api-it.easypack24.net/';
$path    = "/v4/customers/$customerEmail/parcels";
$headers = array(
  "Authorization: Bearer $token"
);

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);

$rawResponse = curl_exec($ch);
curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

email = 'PUT YOUR EMAIL HERE YOU HAVE REGISTERED WITH INPOST'
token = 'PUT YOUR ACCESS TOKEN HERE'

url = "https://api-it.easypack24.net/v4/customers/#{email}/parcels"
headers = { Authorization: "Bearer #{token}" }

response = RestClient.get(url, headers)
```

Available Query Params

a) ***As***

By default you get your parcels as a sender. Passing “as” parameter allows you to get them as a receiver. Example below.

```
GET /v4/customers/:customer_id/parcels?as=receiver
```

b) ***Status***

Passing “status” parameter allows you to filter parcels by status.

```
GET /v4/customers/:customer_id/parcels?status=prepared
```

c) ***Page and Per Page***

Passing pagination parameters allows you to navigate through your parcels. Default “per_page” value is 30 and maximum is 100. First page is rendered by default.

```
GET /v4/customers/:customer_id/parcels?per_page=50&page=3
```


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d) ***Sort Order***

You can change sorting order to ascending (default is descending).

```
GET /v4/customers/:customer_id/parcels?sort_order=asc
```

e) ***Sort By***

You can sort parcels by: *status*, *status_updated_at*, *created_at* or *size* fields. Just pass ***sort_by*** param with an adequate value. Example below.

```
GET /v4/customers/:customer_id/parcels?sort_by=status_updated_at
```

Sample Response

```
{
  "_links": {
    "self": {
      "href": "/v4/customers/sender%40easypack.it/parcels"
    },
    "next": {
      href: "/v4/customers/sender%40easypack.it /parcels?page=2"
    }
  }
  "count": 121,
  "page": 1,
  "per_page": 30,
  "_embedded": {
    "parcels": [parcel_1[4], parcel_2, … , parcel_n]
  }
}
```

4.4.4. Creating a Parcel

A *POST* request method sent to the *customers parcels* resource with a particular customer's identifier given will result in creating a new parcel's object in the Central System. The parcel's data should be passed as a json's array formated string with a "Content-Type: application/json" header option enabled.

Request

```
POST /v4/customers/:customer_id/parcels
```

Request in cURL

```
curl https://api-it.easypack24.net/v4/customers/PUT_YOUR_EMAIL_HERE/parcels -X POST -
d
'{"receiver_email":"receiver@easypack.it","receiver_phone":"3888000088","target_machi
ne_id":"AG023","size":"A","additional1":"Additional information"}' -H "Content-Type:
application/json" -H "Authorization: Bearer your_token"
```

[4] Parcel's data is represented by a hash. You can find its structure in a Parcel''s Data (sample response) chapter.

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Request in PHP

```
<?php
$customerEmail = 'PUT YOUR EMAIL HERE';
$token = 'PUT YOUR ACCESS TOKEN HERE';

# Replace below data with your own
$data = array(
  "receiver_email" => "receiver@easypack.it",
  "receiver_phone" => "3888000088",
  "target_machine_id" => "AG023",
  "size" => "A",
  "additional1" => "Additional information"
);

$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/customers/$customerEmail/parcels";

$headers = array(
  "Authorization: Bearer $token",
  "Content-Type: application/json"
);

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_CUSTOMREQUEST, "POST");
curl_setopt($ch, CURLOPT_POSTFIELDS, json_encode($data););
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);

$rawResponse = curl_exec($ch);
curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

email = 'PUT YOUR EMAIL HERE'
token = 'PUT YOUR ACCESS TOKEN HERE'

# Replace below data with your own
body = { receiver_email: 'receiver@easypack.it',
         receiver_phone: '3888000088',
         target_machine_id: 'AG023',
         size: 'A',
         additional1: 'Additional information' }

url = "https://api-it.easypack24.net/v4/customers/#{email}/parcels"
headers = { Authorization: "Bearer #{token}" }

response = RestClient.post(url, body, headers)
```

Supported Parameters

a) ***receiver_email*** – string value, email format,

b) ***receiver_phone*** (required) – string value, phone number format,

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c) ***target_machine_id*** (required) – string value, existing easyPack machine id,

d) ***size*** (required) – string value, one of: *A*, *B* or *C*,

e) ***cod_amount*** – numeric value (CoD stays for *Cash on Delivery*),

f) ***customer_reference*** – string value, up to 255 characters,

g) ***sender_address*** (***building_no***, ***flat_no***, ***street***, ***post_code***, ***city***, ***province***) – sender address data. Pass it while sending a parcel if you want to overwrite an address assigned to your easyPack account. Validates as an address when updating customer,

h) ***weight*** – weight in grams, integer value greater than 0,

i) ***additional1*** – Customer COD reference number (sent to Bank), string value, up to 255 characters,

j) ***additional2*** – Parcel reference number (sent to Bank), string value, up to 255 characters.

Response

The parcel view is rendered on success.

Sample Response

The parcel detail view rendered upon success of the above request:


```
{
  "_links": {
    "self": {
      "href": "/v4/shipments/CP000067547IT"
    },
    "target_machine": {
      "href": "/v4/machines/AG023"
    },
    "receiver": {
      "href": "/v4/customers/receiver%2540easypack.it"
    },
    "sender": {
      "href": "/v4/customers/sender%2540easypack.it"
    },
    "sticker": {
      "href": "/v4/shipments/CP000067547IT/sticker"
    }
  },
  "id": "CP000067547IT",
  "created_at": "2015-10-23T13:22:36.515+02:00",
  "status": "created",
  "calculated_amount": "1.0",
  "charged_amount": "0.0",
  "dropoff_code": "0",
  "receiver_email": "receiver@easypack.it",
  "avizo_time": 2880,
  "expiration_time": 1440,
  "size": "A",
  "target_machine_id": "AG023",
```


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```
  "receiver_phone": "3888000088",
  "sender_email": "sender@easypack.it",
  "sender_phone": "3881000088",
  "cod_amount": "0.0",
  "service": "STANDARD",
  "skip_pickup_point": false,
  "additional1": "Additional information",
  "sender_address": {
    "street": "Via Provinciale",
    "building_no": "15",
    "post_code": "24021",
    "city": "CANICATTI' E BORGALINO",
    "first_name": "Send",
    "last_name": "Sender",
    "email": "sender@easypack.it",
    "phone": "3881000088"
  }
}
```

4.4.5. Customer's Pricelists

A *GET* request method sent to the *customers pricelists* resource with a particular user's identifier given will return the detailed data regarding the customer's pricelist. It is accessible only for the request with the queried user's access token passed in the request header.

Request

```
GET /v4/customers/:customer_id/pricelists
```

Request in cURL

```
Curl https://api-it.easypack24.net/v4/customers/PUT YOUR EMAIL HERE/pricelists -X GET
-H "Authorization: Bearer your_access_token"
```

Request in PHP

```
<?php
$customerEmail = 'PUT YOUR EMAIL HERE';
$token = 'PUT YOUR ACCESS TOKEN HERE';

$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/customers/$customerEmail/pricelists";

$headers = array(
  "Authorization: Bearer $token"
);

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);

$rawResponse = curl exec($ch);
curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
```


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```
require 'rest-client'

email = 'PUT YOUR EMAIL HERE'
token = 'PUT YOUR ACCESS TOKEN HERE'

url = "https://api-it.easypack24.net/v4/customers/#{email}/pricelists"
headers = { Authorization: "Bearer #{token}" }

response = RestClient.get(url, headers)
```

Sample Response


```
{
       "_embedded": {
        "address": {
            "cod": {
                "commision": 0.0,
                "limit": 5000.0,
                "minimal": 0.0
            },
            "prices": {
                "a": 1.0,
                "b": 2.0,
                "c": 3.0
            }
        },
        "allegro_letter": {
            "cod": {
                "commision": 0.0,
                "limit": 0.0,
                "minimal": 0.0
            },
            "prices": {
                "a": 3.94,
                "b": 3.94,
                "c": 3.94
            }
        },
        "allegro_parcel": {
            "cod": {
                "commision": 0.0,
                "limit": 5000.0,
                "minimal": 3.5
            },
            "prices": {
                "a": 7.99,
                "b": 7.99,
                "c": 7.99
            }
        },
        "customer_service_point": {
            "cod": {
                "commision": 1.8,
                "limit": 5000.0,
                "minimal": 0.0
            },
            "prices": {
                "a": 1.0,
                "b": 2.0,
                "c": 3.0
            }
```


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```
        },
        "pass_thru": {
            "cod": {
                "commision": 1.8,
                "limit": 5000.0,
                "minimal": 0.0
            },
            "prices": {
                "a": 0.5,
                "b": 1.5,
                "c": 1.5
            }
        },
        "post_office": {
            "cod": {
                "commision": 1.8,
                "limit": 5000.0,
                "minimal": 0.0
            },
            "prices": {
                "a": 1.0,
                "b": 2.0,
                "c": 3.0
            }
        },
        "reverse": {
            "cod": {
                "commision": 0.0,
                "limit": 0.0,
                "minimal": 0.0
            },
            "prices": {
                "a": 1.0,
                "b": 1.0,
                "c": 1.0
            }
        },
        "reverse_return": {
            "cod": {
                "commision": 0.0,
                "limit": 0.0,
                "minimal": 0.0
            },
            "prices": {
                "a": 1.0,
                "b": 1.0,
                "c": 1.0
            }
        },
        "standard": {
            "cod": {
                "commision": 1.8,
                "limit": 5000.0,
                "minimal": 0.0
            },
            "prices": {
                "a": 1.0,
                "b": 2.0,
                "c": 3.0
            }
        },
        "standard_letter": {
```


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```
            "cod": {
                "commision": 0.0,
                "limit": 0.0,
                "minimal": 0.0
            },
            "prices": {
                "a": 0.0,
                "b": 0.0,
                "c": 0.0
            }
        }
    },
    "_links": {
        "customer": {
            "href": "/v4/customers/customer%40inpost.pl"
        },
        "self": {
            "href": "/v4/customers/custome%40inpost.pl/pricelists"
        }
    },
    "fuel_charge": 0.0,
    "insurance": [
        {
            "level": 10.0,
            "price": 1.0
        },
        {
            "level": 20.0,
            "price": 2.0
        },
        {
            "level": 30.0,
            "price": 3.0
        }
    ],
    "notification": 1.0,
    "reservation": [
        {
            "length": 1.0,
            "price": 1.0
        },
        {
            "length": 2.0,
            "price": 2.0
        },
        {
            "length": 3.0,
            "price": 3.0
        }
    ]
}
```


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4.5. Returns

This resource is responsible for return creation, data presentation and enables its management.

4.5.1. Creating a Return

A *POST* request method sent to the *returns* resource with a particular customer identifier given will result in creating a new return object in the Central System. The return parcel's data should be passed as a json's array formated string with a "Content-Type: application/json" header option enabled.

Request

```
POST /v4/customers/:customer_id/returns
```

Request in cURL

```
# Replace YOUR_EMAIL, YOUR_TOKEN and request body with real data
curl    https://api-it.easypack24.net/v4/customers/YOUR_EMAIL/returns -X    POST    -
d '{"sender_phone":"3888000088","sender_email":"sender@easypack.it","parcel":{"size":
"A"}}' -H "Content-Type: application/json" -H "Authorization: Bearer YOUR_TOKEN"
```

Request in PHP

```
<?php
    $email = 'PUT YOUR EMAIL HERE';
    $token = 'PUT YOUR ACCESS TOKEN HERE';
    $url = "https://api-it.easypack24.net/v4/customers/$email/returns";
    $headers = array(
        "Authorization: Bearer $token",
        'Content-Type: application/json'
    );
    // Replace data below with your own
    $bodyData = array(
        'sender_phone' => '3888000088',
        'sender_email' => 'sender@easypack.it',
        'parcel' => array(
            'size' => 'A'
        )
    );
    $body = json_encode($bodyData);
    $ch = curl_init($url);
    curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
    curl_setopt($ch, CURLOPT_CUSTOMREQUEST, 'POST');
    curl_setopt($ch, CURLOPT_POSTFIELDS, $body);
    curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
    $rawResponse = curl_exec($ch);
    curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

email = 'PUT YOUR EMAIL HERE'
token = 'PUT YOUR ACCESS TOKEN HERE'
```


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```
# Replace data below with your own
body = { sender_phone: '3888000088',
         sender_email: 'sender@easypack.it',
         parcel: {
           size: 'A'
         }
       }
url = "https://api-it.easypack24.net/v4/customers/#{email}/returns"
headers = { Authorization: "Bearer #{token}" }
response = RestClient.post(url, body, headers)
```

Supported Parameters

- ***attach_sticker*** – Boolean value,
- ***code*** – Code object, the parameters of Code object are specified below:

Parameter	Required?	Type
expires_at	**yes**	Date/time

- ***description1***- String value, up to 255 characters,
- ***description2*** – String value, up to 255 characters,
- ***description3*** – String value, up to 255 characters,
- ***parcel*** – Parcel object, **required**, the parameters of Parcel object are specified below:

Parameter	required?	Type	Possible values
size	**yes**	String	*A*, *B*, *C* (for more info see section 1.2)

- ***primary_parcel_id*** – String value, required if ***receiver_from_primary_parcel*** parameter is *true*, parcel can't be in the *created* or *cancelled* status,
- ***receiver_from_primary_parcel*** – Boolean value,
- ***rma*** – String value – unique for every user RMA code,
- ***sender_email*** – **required**, String value,
- ***sender_phone*** – **required**, String value,
- ***target_address*** – Address object, the parameters of Address object are specified below:

Parameter	Required?	Type
building_no	**yes**	String
city	**yes**	String
company_name	**yes** (if ***first_name*** and ***last_name*** are not specified)	String
email	no	String
first_name	**yes** (if ***company_name*** is not specified)	String

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flat_no	no	String
last_name	**yes** (if company_name is not specified)	String
phone	no	String
post_code	**yes**	String
province	no	String
street	**yes**	String

Response

The return view is rendered on success.

Sample Response

a) Return created (status: 201).

```
{
    "_links": {
        "self": {
            "href": "/v4/returns/1357924680"
        },
        "sender": {
            "href": "/v4/customers/customer@inpost.it"
        }
    },
    "id": "1357924680",
    "code": {
        "value": "1357924680",
        "is_active": true,
        "created_at": "2015-04-22T11:43:18.316+02:00",
        "expires_at": "2017-04-21T11:43:18.317+02:00"
    },
    "sender_email": "customer@easypack.it",
    "sender_phone": "3888000088",
    "sticker_attached": false,
    "target_address": {
        "street": "Via Provinciale",
        "building_no": "15",
        "post_code": "24021",
        "city": "CANICATTI' E BORGALINO",
        "first_name": "Ann",
        "last_name": "Smith",
        "company_name": "Inittec",
        "email":"customer@inpost.it",
        "phone":"3881000089"
    }
}
```


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b) Validation errors occurred (status: 422).

```
{
    "status_code": 422,
    "error_code": "validation_failed",
    "message": "There are some validation errors",
    "errors": {
        "parcel": [
            "required"
        ],
        "sender_email": [
            "required",
            "not_an_email"
        ],
        "sender_phone": [
            "required",
            "invalid"
        ]
    }
}
```

c) Customer doesn't have an access to the reverse return service (status: 422)

```
{
    "status_code": 422,
    "error_code": "returns_disabled_for_customer",
    "message": "Operator operator@inpost.it does not have permission for reverse
return",
    "errors": {}
}
```

d) Selected parcel is already assigned to the return (status: 422)

```
{
    "status_code": 422,
    "error_code": "complaint_already_exists",
    "message": "Reverse return code 1357924680 is already created for parcel
56473829101029384756",
    "errors": {}
}
```

4.5.2. Customer's Returns

A *GET* request method sent to the *returns* resource with a particular customer given will return this customers returns.

Request

```
GET /v4/customers/:customer_id/returns
```

Request in cURL

```
Curl https://api-it.easypack24.net/v4/customers/PUT YOUR EMAIL HERE/returns -X GET -H
"Authorization: Bearer your_access_token"
```


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Request in PHP

```
<?php
$customerEmail = 'PUT YOUR EMAIL HERE';
$token = 'PUT YOUR ACCESS TOKEN HERE';

$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/customers/$customerEmail/returns";

$headers = array(
  "Authorization: Bearer $token"
);

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);

$rawResponse = curl_exec($ch);
curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

email = 'PUT YOUR EMAIL HERE'
token = 'PUT YOUR ACCESS TOKEN HERE'

url = "https://api-it.easypack24.net/v4/customers/#{email}/returns"
headers = { Authorization: "Bearer #{token}" }

response = RestClient.get(url, headers)
```

Response

The list of customer's returns is rendered on success.

Sample Response

```
{
    "_links": {
        "previous": {
            "href": null
        },
        "self": {
            "href": "/customers/customer@inpost.it/returns?page=1&per_page=30"
        },
        "next": {
            "href": "/customers/customer@inpost.it/returns?page=2&per_page=30"
        },
    },
    "count": 271,
    "page": 1,
    "per_page": 30,
    "_embedded": {
        "returns": [
            {
                "_links": {
                    "self": {
                        "href": "/v4/returns/1357924680"
```


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```
                    },
                    "sender": {
                        "href": "/v4/customers/customer@inpost.it"
                    }
                },
                "id": "1357924680",
                "code": {
                    "value": "1357924680",
                    "is_active": true,
                    "created_at": "2015-04-22T11:43:18.316+02:00",
                    "expires_at": "2017-04-21T11:43:18.317+02:00"
                },
                "sender_email": "customer@inpost.it",
                "sender_phone": "3881000088",
                "sticker_attached": false,
                "target_address": {
                    "street": "Wesoła",
                    "building_no": "1A",
                    "post_code": "31-100",
                    "city": "Cracow",
                    "first_name": "Mark",
                    "last_name": "Smith",
                    "company_name": "Inittec",
                    "email":"customer@inpost.it",
                    "phone":"3881000088"
                }
            },
            # ...
            {
                "_links": {
                    "self": {
                        "href": "/v4/returns/9753108642"
                    },
                    "sender": {
                        "href": "/v4/customers/customer@inpost.it"
                    }
                },
                "id": "9753108642",
                "code": {
                    "value": "9753108642",
                    "is_active": true,
                    "created_at": "2015-04-22T11:43:18.316+02:00",
                    "expires_at": "2017-04-21T11:43:18.317+02:00"
                },
                "sender_email": "customer@inpost.it",
                "sender_phone": "3881000088",
                "sticker_attached": false,
                "target_address": {
                    "street": "Via Provinciale",
                    "building_no": "2B",
                    "post_code": "24021",
                    "city": "CANICATTI' E BORGALINO",
                    "first_name": "Ann",
                    "last_name": "Smith",
                    "company_name": "InPost",
                    "email":"customer2@inpost.it",
                    "phone":"3881000089"
                }
            }
        ]
    }
}
```


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4.5.3. Return's Data

A *GET* request method sent to the dispatch_points resource with a particular customer given will return this customers dispatch points.

Request

```
GET /v4/returns/:return_id
```

Request in cURL

```
Curl https://api-it.easypack24.net/v4/returns PUT RETURN_ID HERE -X GET -H
"Authorization: Bearer your_access_token"
```

Request in PHP

```
<?php
$returnId = 'PUT RETURN_ID HERE';
$token = 'PUT YOUR ACCESS TOKEN HERE';

$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/returns/$returnId";

$headers = array(
  "Authorization: Bearer $token"
);

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);

$rawResponse = curl_exec($ch);
curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

returnId = 'PUT RETURN_ID HERE'
token = 'PUT YOUR ACCESS TOKEN HERE'

url = "https://api-it.easypack24.net/v4/returns/#{returnId}"
headers = { Authorization: "Bearer #{token}" }

response = RestClient.get(url, headers)
```

Response

The return view is rendered on success.

Sample Responses

- Return's details are displayed (status: 200).

```
{
    "_links": {
        "self": {
```


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```
            "href": "/v4/returns/1357924680"
        },
        "sender": {
            "href": "/v4/customers/customer@easypack.it"
        }
    },
    "id": "1357924680",
    "code": {
        "value": "1357924680",
        "is_active": true,
        "created_at": "2015-04-22T11:43:18.316+02:00",
        "expires_at": "2017-04-21T11:43:18.317+02:00"
    },
    "sender_email": "customer@inpost.it",
    "sender_phone": "3881000088",
    "sticker_attached": false,
    "target_address": {
        "street": "Wesoła",
        "building_no": "1A",
        "post_code": "31-100",
        "city": "Cracow",
        "first_name": "Mark",
        "last_name": "Smith",
        "company_name": "Inittec",
        "email":"customer@inpost.it",
        "phone":"3881000089"
    }
}
```


- Return was not found (status: 404).


```
{
    "status_code": 404,
    "error_code": "return_not_found",
    "message": "Return '631100111597406015500002' not found.",
    "errors": {}
}
```


Errors

The incorrect parameters was provided (status: 422):


```
{
    "status_code": 422,
    "error_code": "validation_failed",
    "message": "There are some validation errors",
    "errors": {
        "is_used": [
            "invalid"
        ],
        "created_after": [
            "invalid"
        ]
    }
}
```


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4.5.4. Getting a Return's sticker

Executing the *sticker* service by sending an empty *GET* request to the *returns* resource with a particular return's identifier given, will result in generating and returning a PDF structure of a parcel label.

Request

```
GET /v4/returns/:return_id/sticker
```

Request in cURL

```
Curl https://api-it.easypack24.net/v4/returns/sticker PUT RETURN_ID HERE -X GET -H
"Authorization: Bearer your_access_token"
```

Request in PHP

```
<?php
$returnId = 'PUT RETURN_ID HERE';
$token = 'PUT YOUR ACCESS TOKEN HERE';

$baseUrl = 'https://api-it.easypack24.net';
$path    = "/v4/returns/$returnId/sticker";

$headers = array(
  "Authorization: Bearer $token"
);

$ch = curl_init($baseUrl.$path);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);

$rawResponse = curl_exec($ch);
curl_close($ch);
```

Request in Ruby

```
# https://github.com/rest-client/rest-client
require 'rest-client'

returnId = 'PUT RETURN_ID HERE'
token = 'PUT YOUR ACCESS TOKEN HERE'

url = "https://api-it.easypack24.net/v4/returns/#{returnId}/sticker"
headers = { Authorization: "Bearer #{token}" }

response = RestClient.get(url, headers)
```

Response

As a response, the server returns sticker in *.pdf format with 200 status code:

```
# binary file of given name (default: sticker_RETURN_ID.pdf)
```


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Errors

The list of errors that can occur is presented below:

- *complaint_not_found* – the return was not found:

```
{
    "status_code": 404,
    "error_code": "complaint_not_found",
    "message": "Return '12345' not found.",
    "errors": {}
}
```

- *reverse_return_code_expired* – the return's code expired:

```
{
    "status_code": 422,
    "error_code": "reverse_return_code_expired",
    "message": "Return code '12345' has expired",
    "errors": {}
}
```

- *reverse_return_code_not_active* – the return;s code is not active:

```
{
    "status_code": 422,
    "error_code": "reverse_return_code_not_active",
    "message": "Return code '12345' is not active",
    "errors": {}
}
```


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