Shop API

General information

Shops API provides the means for online stores to connect with the PostPal delivery system.

All requests can be tested in the public test environment at: https://test.postpal.ee

Test environment account can be created at https://test.postpal.ee/register

Endpoint

Test API URL: https://test.postpal.ee/api/shop/v1

Live API URL: https://my.postpal.ee/api/shop/v1

Parameters

Parameter	Description
token	This is unique identification key that is required for all requests. Token can be generated from PostPal management console, under API Tokens section. All online stores and other software should each have their own token generated.
warehouse	Warehouse code can be retrieved from PostPal management console, under Warehouses section. This parameter states from witch warehouse the package will be sent out.

Order statuses

Status	Description
WAITING	Order is on hold. Waiting for the courier to take the order. Or in queue, waiting for the right timing of delivery
PICK_UP	Courier on it's to pick up the package from origin
DROP_OFF	Courier on it's way to drop off the package to the destination
COMPLETED	Delivery has been completed
CANCELLED	Delivery has been cancelled

Error Codes

Code	Description	Added
001	Required field is missing	
002	Field does not validate	
201	Address is not correct	22.11.2015
202	Address out of delivery range	23.11.2015
301	Requested delivery was not found	

Authorization failed

If token authorization failed, request will provide following response:

HTTP Code: 401 Unauthorized

TEXT
Unauthorized.

Requests

Requests are initiated by the online shop side.

Delivery arrival estimation

This request will provide information about the estimated delivery arrival to the destination. This estimation should be displayed to the enduser before the order is placed.

Request

URL: /estimation

Type: POST

Parameters:

Name	Validation	Description	Added
token	Required. Has to be valid authentication token.		
warehouse	Required. Has to be valid warehouse code.		
orderId	Optional. Max 255 characters	Your Order Id	7.11.2016
readyDateTime	Optional Future DateTime (format: Y-m-d H:i)	DateTime when the package is ready from the warehouse	7.11.2016
destinationAddress	Optional. Max 255 characters	Address of the building (street and building number), where the package will be delivered	7.11.2016
destinationApartment	Optional. Max 50 characters	Apartment number, floor etc. Where in the building it should be delivered	7.11.2016
destinationLocality	Optional. Max 50 characters	Destination city. If missing, warehouse city will be used.	7.11.2016
destinationCountry	Optional. Max 50 characters	Destination country name. If missing, warehouse country will be used.	7.11.2016
destinationPostalCode	Optional. Max 50	Destination postal code	7.11.2016

Note : destinationApartment , destinationLocality , destinationCountry , destinationPostalCode parameters only come to use if **destinationAddress** is set in the **request**

Response

Response will contain HTTP code and content in JSON format.

Successful estimation response

HTTP Code: 200 OK

```json
{
    "status": true,
    "estimate": "2015-10-27
    00:34:00" "estimationPeriod": [
        {
            "day": "2016-10-27", "start":
            "2016-10-27 00:24", "end":
            "2016-10-27 00:44",
            "formattedTime": "00:24 - 00:44"
        }
    ]
}
```

JSON

Failed estimation response

HTTP Code: 200 OK

JSON

```json
{
    "status": false
}
```

Authentication failed

HTTP Code: 401 Unauthorized

TEXT

    Unauthorized.

Validate before placing a new order

This request is for validating order details, before placing a new delivery order to PostPal.

Request

URL: /orders/new/warehouse/validate

Type: POST

Parameters:

All accepted parameters and their properties are same as request "Place a new order".

Response

Response will contain HTTP code and content in JSON format.

Order successfully validated

HTTP Code: 200 OK

JSON

``
{
   "status": true,
}
``

Order validation failed

All results are same as in request "Place a new order".

Authentication failed

HTTP Code: 401 Unauthorized

TEXT
Unauthorized.

Place a new order

This request is for placing a new delivery order to PostPal.

Request

URL: /orders/new/warehouse

Type: POST

Parameters:

Name	Validation	Description	Addedd
token	Required. Has to be valid authentication token	Authentication token	
warehouse	Required	Warehouse code	
destinationFirstName	Required (if destinationFullName is empty). Max 225 characters	Package receiver name	
destinationLastName	Required (if destinationFullName is empty). Max 225 characters	Package receiver lastname	
destinationFullName	Required (if destinationFirstName and destinationLastName are empty). Max 225 characters.	Package receiver full name	
destinationCompany	Optional. Max 255 characters	Package receiver company name	
destinationEmail	Optional. Max 255. Must be valid email address	Package receiver email	
destinationApartment	Optional. Max 50	Apartment number, floor etc. Where in the building it should be delivered	22.11.2015
destinationAddress	Required	Address of the building (street and building number), where the package will be delivered	
destinationLocality	Optional. Max 50	Destination city. If missing, warehouse city will be used.	

destinationCountry	Optional. Max 50	Destination country name. If missing, warehouse country will be used.	
destinationPostalCode	Optional. Max 50	Destination postal code	
destinationPhone	Required. Can start with +, can contain numbers from 0-9, has to be 6 to 13 digits long	Package receiver phone number	
notes	Optional	Notes for the order/courier	
packageSize	Required. Enum [size20x36x60D10W ,size60x36x60D10W]	Package size that will be delivered	
ageVerificationRequired	Optional. Enum [Yes, No]. Default: No	Does this package require age verification from the receiver	02.01.2016
department	Optional Max 255 characters	Department slug name	11.10.2016
orderId	Optional Max 255 characters	Your Order Id	27.10.2016
readyDateTime	Optional Future DateTime (format : Y-m-d H:i)	DateTime when the package is ready from the warehouse	7.11.2016
pickupTime	Optional Future DateTime (format : Y-m-d H:i)	DateTime when the package is ready for pickup	07.03.2018
dropoffTime	Optional Future DateTime (format : Y-m-d H:i)	DateTime when the package should be dropped/delivered	07.03.2018

Response

Response will contain HTTP code and content in JSON format.

Order successfully accepted

HTTP Code: 200 OK

<div style="border:1px dashed #7a9bc7;">

JSON

```json
{
  "status": true,
  "trackingCode": "994887674",
  "trackingURL": "http://test.postpal.ee/track/994887674",
  "packageLabelPDF":
"http://test.postpal.ee/label/pdf/eae336ce1fec0d54d2ff2ac702da31e0"
}
```

</div>

Order validation failed

HTTP Code: 422 Unprocessable Entity

```json
{
  "status": false,
  "errors": {
    "destinationLastName":
      { "Code": 001,
      "Text": "destinationLastName Missing"
    }, "destinationAddress":
    {
      "Code": 001,
      "Text": "destinationAddress Missing"
    }
  }
}
```

Authentication failed

HTTP Code: 401 Unauthorized

TEXT

```
Unauthorized.
```

Validate before placing a new order with Origin

This request is for validating order details, before placing a new delivery order to PostPal.

Request

URL: /orders/new/validate

Type**:** POST

Parameters:

All accepted parameters and their properties are same as request "Place a new order with origin".

Response

Response will contain HTTP code and content in JSON format.

Order successfully validated

HTTP Code: 200 OK

JSON

```json
{
    "status": true,
}
```

Order validation failed

All results are same as in request "Place a new order with origin".

Authentication failed

HTTP Code: 401 Unauthorized

TEXT

```
Unauthorized.
```

Place a new order with Origin

This request is for placing a new delivery order to PostPal.

Request

URL: /orders/new

Type**:** POST

Parameters:

Name	Validation	Description	Added
token	Required. Has to ba valid authentication token	Authentication token	
originFirstName	Required (if originFullName is empty). Max 225 characters	Package sender first name	
originLastName	Required (if originFullName is empty). Max 225 characters	Package sender lastname	
originFullName	Required (if originFirstName and originLastName are empty). Max 225 characters.	Package sender full name	
originCompany	Optional. Max 255 characters	Package sender company name	
originEmail	Optional. Max 255. Must be valid email address	Package sender email	
originApartment	Optional. Max 50	Apartment number, floor etc. Where in the building it should be taken from	
originAddress	Required	Address of the building (street and building number), where the package will be taken	
originLocality	Required. Max 50	Origin city.	
originCountry	Required. Max 50	Origin Country	
originPhone	Required. Can start with +, can contain numbers from 0-9, has to be 6 to 13 digits long	Package sender phone number	
destinationFirstName	Required (if destinationFullName is empty). Max 225	Package receiver name	

destinationLastName	Required (if destinationFullName is empty). Max 225 characters	Package receiver lastname	
destinationFullName	Required (if destinationFirstName and destinationLastName are empty). Max 225 characters.	Package receiver full name	
destinationCompany	Optional. Max 255 characters	Package receiver company name	
destinationEmail	Optional. Max 255. Must be valid email address	Package receiver email	
destinationApartment	Optional. Max 50	Apartment number, floor etc. Where in the building it should be delivered	
destinationAddress	Required	Address of the building (street and building number), where the package will be delivered	
destinationLocality	Required. Max 50	Destination city.	
destinationCountry	Required. Max 50	Destination country name	
destinationPhone	Required. Can start with +, can contain numbers from 0-9, has to be 6 to 13 digits long	Package receiver phone number	
notes	Optional	Notes for the order/courier	
ageVerificationRequired	Optional. Enum [Yes, No]. Default: No	Does this package require age verification from the receiver	
department	Optional Max 255 characters	Department slug name	11.10.2016
orderId	Optional Max 255 characters	Your Order Id	27.10.2016
	characters		

Response

Response will contain HTTP code and content in JSON format.

Order successfully accepted

HTTP Code: 200 OK

<div align="center">

JSON

</div>

```json
{
   "status": true,
   "trackingCode": "994887674",
   "trackingURL": "http://test.postpal.ee/track/994887674",
   "packageLabelPDF":
"http://test.postpal.ee/label/pdf/eae336ce1fec0d54d2ff2ac702da31e0"
}
```

Order validation failed

HTTP Code: 422 Unprocessable Entity

JSON

```
{
   "status": false,
   "errors": {
      "destinationLastName":
         { "Code": 001,
         "Text": "destinationLastName Missing"
      }, "destinationAddress":
      {
         "Code": 001,
         "Text": "destinationAddress Missing"
      }
   }
}
```

Authentication failed

HTTP Code: 401 Unauthorized

TEXT

```
Unauthorized.
```

Update Order

Request

URL: /orders/update

Type: POST

Parameters:

Name	Validation	Description
token	Required. Has to be valid authentication token	Authentication token
trackingCode	Required	Delivery tracking code of the order, that was returned by the new order request
notes	Required	Add additional notes for the order

Response

Response will contain HTTP code and content in JSON format.

Successful Request

HTTP Code: 200 OK

JSON

```json
{
   "status": true,
}
```

Order validation failed

HTTP Code: 422 Unprocessable Entity

JSON

```json
{
   "status": false,
   "errors": {
     "trackingCode": {
       "code": 002,
       "Text": "trackingCode Invalid"
     }
   }
}
```

Authentication failed

HTTP Code: 401 Unauthorized

TEXT

```
Unauthorized.
```

Get Delivery Order Status

Request

URL: /orders/status

Type: POST

Parameters:

Name	Validation	Description
token	Required. Has to be valid authentication token	Authentication token
trackingCode	Required	Delivery tracking code of the order, that was returned by the new order request

Response

Response will contain HTTP code and content in JSON format.

Successful Request

HTTP Code: 200 OK

<div style="border:1px dashed #5b9bd5;">

JSON

```json
{
  "status": true,
  "order_status": "ORDER_STATUS",
  "time": "2016-11-09 13:29:03"
}
```
</div>

Order validation failed

HTTP Code: 422 Unprocessable Entity

<div style="border:1px dashed #5b9bd5;">

JSON

```json
{
  "status": false,
  "errors": {
    "trackingCode":
      { "code": 301,
      "Text": "Delivery not found"
    }
  }
}
```
</div>

Authentication failed

HTTP Code: 401 Unauthorized

<div style="border:1px dashed #5b9bd5;">

TEXT

```
Unauthorized.
```
</div>

Callbacks

Callbacks are initiated by PostPal, and sent to client's specified URL. Callback URL will be set from the PostPal management console, under API management section. One API key can have one callback URL.

Setting Access Key CallBack Url

Request that PostPal sends

Type : POST

Parameters

Name	Comment
status	ORDER_STATUS
trackingCode	order tracking id
updateTime	status updated time stamp

Client's Response

Successful update

Client should response following, if the update was saved successfully.

HTTP Code: 200 OK

JSON

```
{
   "status": true
}
```

Update failed

Client should response following, if there was some problem in receiving the request. For example something was missing

etc. HTTP Code: 200 OK

JSON

```
{
   "status": false
}
```