

# Shop API

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## General information

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

## Endpoint

API URL: <http://test.postpal.ee/api/shop/v1>

**NOTE:** Live API is using HTTPS protocol.

## 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 which 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



## 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:

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Name	Validation
token	Required. Has to be a valid authentication token.
warehouse	Required. Has to be a valid warehouse code.

## Response

Response will contain HTTP code and content in JSON format.

### Warehouses with open times defined

HTTP Code: 200 OK

#### JSON

```
{
  "status": true,
  "estimate": "2015-10-27 00:34:00"
}
```

### Warehouses without any upcoming opened times

HTTP Code: 200 OK

#### 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 ba 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	

## Response

Response will contain HTTP code and content in JSON format.

### Order successfully accepted

HTTP Code: 200 OK

#### 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.

## Get Delivery Order Status

### Request

URL: /orders/status

Type: POST

Parameters:

Name	Validation	Description
token	Required. Has to be a 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

**JSON**

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

## Order validation failed

HTTP Code: 422 Unprocessable Entity

## JSON

```
{
  "status": false,
  "errors": {
    "trackingCode": {
      "code": 301,
      "Text": "Delivery not found"
    }
  }
}
```

### Authentication failed

HTTP Code: 401 Unauthorized

## TEXT

Unauthorized.

## 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  
}
```