

This document describes available API endpoints for XBS. For each command there will be a description on what data the API exposes, the parameters and an example request and response.

XBS API manual

API Documentation



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API DOCUMENTATION

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Change log

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Change date	Change description
2020-07-27	- Added ShippingValue to OrderShipment/OrderShipmentInfo command
2020-07-14	- Added OrderShipmentInfo command (Chapter 2.9)
2020-05-11	- Added XBS BACK export fields: <ul style="list-style-type: none"> o OrderReference o OrderDate o ExportCarrierName o ExportAwb o Products[x].ImgUrl o Products[x].Weight o Products[x].NonReturnable o Products[x].DaysForReturn
15/04/2020	- Added CZ to PPTT destinations - Brazil Tax ID required in ConsigneeAddress.Vat for destination BR - Norway VOEC number required in ConsignorAddress.Vat for destination NO
10/01/2020	Removed Labelformat from TrackShipment command.
23/12/2019	Added collect service. GetLocations command and widget. New optional field in OrderShipment: PudoLocationId
10-10-2019	Added GetProofOfExportReport command. Restructured order of commands.
17-07-2019	Added Eori and some new services.
02-04-2019	<ul style="list-style-type: none"> • Added the following services to the "Service" parameter of the OrderShipment command: <ul style="list-style-type: none"> "HEHDS" – Hermes Home – Sign "CPHD" – Collis Prive – No Sign "CPHDS" – Collis Prive – Sign • Added the GetshipmentPoeLabel command to generate a "Proof of Export" label
20-2-2019	Restructured the API requests. <ul style="list-style-type: none"> • Added the parameters InvoiceNumber and DeclarationType to the OrderShipment command. • Added "2.2 Label validations" table • Added "2.3 Service validations" table and country ISO value lists for services PPTT and PPLEU
11-01-2019	Added the following service codes to the OrderShipment API: <p>"TRCK" – Spring Tracked "SIGN" – Spring Signature "UNTR" – Spring Untracked</p> <p>A short explanation on these services was also added.</p>
20-12-2018	"CarrierTrackingUrl" parameter added to the OrderShipment, GetShipmentLabel, GetShipmentInvoice and TrackShipment command. Example: "CarrierTrackingUrl" : "http://tracking.carrier.com/LX210720682NL"



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1 API Description

1.1 Introduction

The Spring XBS API allows users to retrieve and submit data. You can generate labels, reprint labels, void labels and request the tracking status of items. It is implemented using the REST principles. This document lists the available API endpoints and describes the resource endpoints, parameters and responses.

1.2 Environment URLs

An HTTPS connection is required. Access to the web service is limited to authorized clients only. PostNL will provide an API key for each customer which is submitted in the body of the request. An acceptance environment is available for integration purposes. Once the requests on the acceptance environment have been verified by the customer integration team, an API key for the production environment can be obtained.

Environment	Resource URL	Method
Acceptance	https://mtapi.net/?testMode=1	POST
Production	https://mtapi.net/	POST

1.3 JSON formatting

All information is send using JSON formatting. JSON is an industry standard documented under ECMA-404 and is documented on <https://JSON.org/>. The JSON header should look similar to:

```
{  
  "Content-Type": " text/json"  
}
```

1.4 Error Level Code List

The API response will contain a parameter called ErrorLevel. The following table gives a description of these error levels.

ErrorLevel	Error description
0	Command successfully completed without any errors
1	Command completed with errors. E.g., for OrderShipment, if shipment have been created with errors (in Error status)
10	Fatal error, command is not completed at all

1.5 Label changes

The label design and the data it contains has been agreed upon with many different postal parties. It is therefore not allowed to change the label provided by our API in any way. This means you may not change the .pdf or .zpl file or make changes to the physical label after it has been printed. Using the untampered label provided by our API will make sure your label complies with international agreements and not cause delays or issues in processing your shipment. If you have suggestions or wishes to change the label in any way please specify this request to your Spring contact person.



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2 Resources

2.1 OrderShipment command

This resource can be used to generate labels. All value formats can be declared as a String.

Body Parameters

Name field	Description	Mandatory
Apikey	Apikey provided by Spring	M
Command	OrderShipment	M
Shipment Container		
LabelFormat	PDF (default) PNG ZPL300 – ZPL 300 dpi ZPL200 – ZPL 203 dpi ZPL – alias for ZPL300 EPL – EPL 203 dpi	O
ShipperReference	Reference number for the shipment. Only unique values accepted.	M
OrderReference	Order number as communicated to the consumer. Mandatory for commercial returns (BACK).	O
OrderDate	Date order was placed. Format: <i>yyyy-mm-dd</i> . <i>Optional</i> for commercial returns (BACK).	O
DisplayId	Field that can be used for an internal reference. Will also generate a 2 nd barcode on the label if populated.	O
InvoiceNumber	Number that will be displayed on the commercial invoice	O
Service	TRCK – TRACKED SIGN – SIGNATURED UNTR – UNTRACKED CLLCT – SPRING COLLECT SERVICE PPLEU – PostNL Parcel EU PPND – PostNL Parcel Benelux - No sign PPNDS – PostNL Parcel Benelux - Sign PPHD – PostNL Parcel Benelux - No sign, no neighbor PPHDS – PostNL Parcel Benelux - Sign, no neighbor PPLGE – PostNL Parcel GlobalPack EMS PPLGU – PostNL Parcel GlobalPack UPU PPTT – PostNL Packet Tracked PPBTT - PostNL Packet Boxable Tracked PPTR – PostNL Packet Registered PPNT – PostNL Packet Non Tracked PPBNT - PostNL Packet Boxable Non Tracked PPBT – PostNL Packet Bag & Trace RM24 – Royal Mail Tracked 24 - No sign RM24S – Royal Mail Tracked 24 - Sign RM48 – Royal Mail Tracked 48 - No sign RM48S – Royal Mail Tracked 48 - Sign SEND – Sending Mainland SEND2 – Sending Islands ITCR – Italian Post Crono DPDDE – DPD DE HEHDS – Hermes - Sign CPHD – Colis Prive - No sign CPHDS – Colis Prive - Sign SCST – Spring Com Standard - No sign SCSTS – Spring Com Standard - Sign SCEX – Spring Com Express - No sign SCEXS – Spring Com Express – Sign IMPRT – Routed service defaulting to service NOLABEL. Do not use NOLABEL directly. NOLABEL – Does not generate a label. Will only import data.	M
Weight	Total weight of the order	M
WeightUnit	kg is the default value. Accepted values: kg, lb	O



Length	Length dimension of the order	O
Width	Width dimension of the order	O
Height	Height dimension of the order	O
DimUnit	Accepted value is: cm	O
Value	Total value of the order	M/O
ShippingValue	Shipping costs charged to the receiver of the parcel	O
Currency	Currency of the value on the CN22/23 information. Default EUR	O
CustomsDuty	Accepted values: DDU, DDP. Default: DDU	O
Description	Description of the order	O
DeclarationType	Accepted values: SaleOfGoods, Documents, Gift, ReturnedGoods and CommercialSample. Default: SaleOfGoods	O
ExportCarrierName	Only applicable for service IMPRT and NOLABEL	O
ExportAwb	Only applicable for service IMPRT and NOLABEL	O
ConsignorAddress Container		
Name	Ship from name. Printed on label as signer of CN23.	O
Company	Ship from company name. Printed on label in FROM part.	O
AddressLine1	Ship from address line 1	O
AddressLine2	Ship from address line 2	O
AddressLine3	Ship from address line 3	O
City	Ship from city	O
State	Ship from state (2/3 letter ISO code)	O
Zip	Ship from zipcode (mandatory for countries using postal code system)	O
Country	Ship from country (2 letter ISO code)	O
Phone	Ship from telephone number	O
Email	Ship from Email	O
Vat	Ship from VAT number (mandatory for destination NO – VOEC number)	M/O
Eori	Ship from Eori (mandatory for Spring Commercial Express services)	M/O
ConsigneeAddress Container		
Name	Ship to name	M
Company	Ship to company name	O
AddressLine1	Ship to address line 1	M
AddressLine2	Ship to address line 2	O
AddressLine3	Ship to address line 3	O
City	Ship to city	M
State	Ship to state (2/3 letter ISO code)	M/O
Zip	Ship to zipcode (mandatory for countries using postal code system)	M/O
Country	Ship to country (2 letter ISO code)	M
Phone	Ship to telephone number	M
Email	Ship to Email	M
Vat	Ship to VAT number (Mandatory for destination BR)	M/O
PudoLocationId	Id received from GetLocations command. Used for Collect services.	O
Products Container		
Description	Description of the product	M
Sku	Stock Keeping Unit. 6-8 characters	O
HSCode	Harmonized System Codes. 6-10 characters	M
OriginCountry	Origin country of the product (2 letter ISO code)	O
ImgUrl	URL to image of the product. Mandatory for commercial returns (BACK)	O
PurchaseUrl	URL to webshop.	O
Quantity	Quantity of the product	M
Value	Total value of the product(s) (Single Item Value * Quantity)	M
Weight	Total weight of the product(s) (Single Item Weight * Quantity)	O
DaysForReturn	Only applicable for commercial returns (BACK). Number of days the item can be returned by consumers. Defaults to customer setting if not specified.	O
NonReturnable	Only applicable for commercial returns (BACK). Accepted values: Y, N. Default is N. Specify Y if product is not eligible for a commercial return.	O

Notes concerning the response

- The **CarrierTrackingNumber** is always **TrackingNumber**.



- In case of non-fatal error (ErrorLevel=1) LabelType contains value "TEMP" and the LabelImage the contains a temporary label.

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Routed Services

The services 'TRCK', 'SIGN', 'UNTR' & 'CLLCT' are services that route to the best end carrier services based on characteristics like destination country and weight.

Service IMPRT

Service IMPRT can be used to only import the order data for further processing at a later stage. No carrier is selected and no shipping label is generated. IMPRT will route to service NOLABEL.



Example Request

```
{
  "Apikey": "<your-apikey-here>",
  "Command": "OrderShipment",
  "Shipment": {
    "LabelFormat": "PDF",
    "ShipperReference": "Reference_001",
    "DisplayId": "123450000",
    "InvoiceNumber": "678900000",
    "Service": "SIGN",
    "ConsignorAddress": {
      "Name": "Jan Janssen",
      "Company": "Spring GDS"
    },
    "ConsigneeAddress": {
      "Name": "John Doe",
      "Company": "John Doe's Company",
      "AddressLine1": "20 W 34th St",
      "AddressLine2": "",
      "AddressLine3": "",
      "City": "New York",
      "State": "NY",
      "Zip": "10001",
      "Country": "US",
      "Phone": "+1-123-456-7890",
      "Email": "john@doe.com",
      "Vat": ""
    },
    "Weight": "0.8",
    "WeightUnit": "kg",
    "Length": "20",
    "Width": "10",
    "Height": "10",
    "DimUnit": "cm",
    "Value": "20",
    "Currency": "EUR",
    "CustomsDuty": "DDU",
    "Description": "CD",
    "DeclarationType": "SaleOfGoods",
    "Products": [
      {
        "Description": "CD: The Postal Service - Give Up",
        "Sku": "CD1202",
        "HsCode": "852349",
        "OriginCountry": "GB",
        "ImgUrl": "http://url.com/cd-thepostalservicegiveup.jpg",
        "Quantity": "2",
        "Value": "20",
        "Weight": "0.8"
      }
    ]
  }
}
```




Example Response

```
{
  "ErrorLevel" : 0,
  "Error" : "",
  "Shipment" : {
    "TrackingNumber" : "LX210720682NL",
    "ShipperReference" : "Reference_001",
    "DisplayId" : "123450000",
    "Service" : "PPTT",
    "Carrier" : "PostNL Packet Tracked",
    "CarrierTrackingNumber" : "LX210720682NL",
    "CarrierLocalTrackingNumber" : "LX210720682NL",
    "CarrierTrackingUrl" : "http://tracking.carrier.com/LX210720682NL",
    "LabelFormat" : "PDF",
    "LabelType" : "Label",
    "LabelImage" : "base64-encoded-image-binary-data",
  }
}
```

2.1.1 Label character limit and service validations

To produce good labels we have **soft** guidelines and **hard** requirements for some fields. Below table shows the maximum number of characters advised to send for each field and service. Carrier labels have limit space. Our system does not technically force these guidelines. We save all the data in our system but the label might not print all information if the guidelines are not followed. Actual numbers depends on the size of the characters. Requirements that are forced by our system or the carrier system are specified in **red**. N/A means the field is not used for the carrier.

Key/Service	PPLEU	PPLGE/GU	RM24/48(S)	PPTT	PPTR/NT	SEND(2)	ITCR	HEHDS	CPHD(S)	SC***	PPND/HD(S)
ConsignorCompany	30	60	25	30	30	NotPrinted	NotPrinted	40	25	NotPrinted	30
Name	35	50	30 (35Max)	30	30	20	60	20	35	35	35
Company	35	30	30 (35Max)	30	30	35	60	20	35	35	35
AddressLine1	35	50	30 (35Max)	30	30	35	60	Validation	35	35	35
AddressLine2	35	50	30 (35Max)	30	30	35	60	NoValidation	35	35	35
AddressLine3	35	50	30 (35Max)	30	30	35	60	NoValidation	35	35	35
City	35	50	30	30	30	35	60	Validation	35	35	35
State - Validation for	35 US,CA,AU	50 US,CA,AU	30 NoValidation	30 US,CA,AU	30 US,CA,AU	35 NoValidation	50 NoValidation	NotPrinted NoValidation	35 NoValidation	2 US	35 NoValidation
Zip - Validation for	20 NoValidation	20 NoValidation	20 NoValidation	20 NoValidation	20 NoValidation	6 Validation	5 Validation	5 Validation	20 NoValidation	20 NoValidation	20 NoValidation
ConsigneeCountry	PPLEU LIST	AllDest	GB	PPTT LIST	AllDest	ES, PT	IT	DE	FR	US	NL, BE
Weight	30kgMax*	30kgMax*	20kgMax	2kgMax	2kgMax	20kgMax	20kgMax	20kgMax	20kgMax	10.5kgMax	30kgMax
DisplayId	15	15	15	15	15	15	15	15	15	15	15
Description	NotPrinted	105	NotPrinted	20	20	NotPrinted	60	NotPrinted	NotPrinted	NotPrinted	NotPrinted
HsCode	NotPrinted	6	NotPrinted	25	25	NotPrinted	NotPrinted	NotPrinted	NotPrinted	NotPrinted	NotPrinted
Phone	15	15	NotPrinted	15	15	15	15	15	NotPrinted	NotPrinted	15
Email	NotPrinted	NotPrinted	NotPrinted	NotPrinted	NotPrinted	NotPrinted	NotPrinted	NotPrinted	NotPrinted	NotPrinted	NotPrinted

*is less for some ConsigneeCountry

Supported ConsigneeCountry lists

Service	ISO 2-letter country code LIST
PPTT	AU;AT;BE;BR;BY;CA;CH;HR;CY;CZ;DK;EE;FI;FR;DE;GB;GR;HK;HU;ID;IE;IL;IT; LV;LB;LT;LU;MT;MY;NZ;NO;NL;PL;PT;RS;RU;SG;SK;SI;KR;ES;SE;TR;US;IS;JP;SA;TH
PPLEU	AT;BE;BG;HR;CY;CZ;DK;EE;FI;FR;DE;GR;HU;IE;LV;LT;LU;MT;NL;PL;RO;SK;SI;SE

2.1.2 Platform source

If your integration can be used for more than one of our customers, you are required to provide a value for the parameter `Shipment.Source`. Examples of this type of integration are platforms like Metapack, ShippyPro and MyParcel.com. By adding the source, our customer service can identify easily how the customer is integrated during IT related questions and resolve queries faster.

```
{
  "Apikey": "<your-apikey-here>",
  "Command": "OrderShipment",
  "Shipment": {
    "LabelFormat": "PDF",
    "Source": "<your-platform-name-here>",
    "ShipperReference": "Reference_001",
    ...
  }
}
```



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2.2 TrackShipment command

This resource can be used to track shipments.

Body Parameters

Name field	Description	Mandatory
Apikey	Apikey provided by Spring	M
Command	TrackShipment	M
Shipment Container		
TrackingNumber	Only one element is allowed: TrackingNumber or ShipperReference	O/M
ShipperReference	Only one element is allowed: TrackingNumber or ShipperReference	O/M

Example Request

```
{
  "Apikey" : "<your-apikey-here>",
  "Command" : "TrackShipment",
  "Shipment" : {
    "TrackingNumber" : "LX210720682NL",
    "ShipperReference" : " Reference_001"
  }
}
```



Example Response

```
{
  "ErrorLevel" : 0,
  "Error" : "",
  "Shipment" : {
    "TrackingNumber" : "LX210720682NL",
    "ShipperReference" : "ref123456789",
    "DisplayId" : "123450000",
    "Service" : "PPTT",
    "Carrier" : "PostNL Packet Tracked",
    "CarrierTrackingNumber" : "LX210720682NL",
    "CarrierLocalTrackingNumber" : "LX210720682NL",
    "CarrierTrackingUrl" : "http://tracking.carrier.com/LX210720682NL",
    "Weight" : "0.85",
    "WeightUnit" : "kg",
    "ConsigneeAddress" : {
      "Name" : "John Doe",
      "Company" : "John Doe's Company",
      "City" : "New York",
      "Zip" : "10001",
      "Country" : "US"
    },
    "Events" : [
      {
        "DateTime" : "2018-01-10 12:00:00",
        "Country" : "US",
        "Code" : 21,
        "Description" : "IN TRANSIT",
        "CarrierCode" : "B01",
        "CarrierDescription" : "Accepted"
      },
      {
        "DateTime" : "2018-01-11 12:00:00",
        "Country" : "US",
        "Code" : 100,
        "Description" : "DELIVERED",
        "CarrierCode" : "I01",
        "CarrierDescription" : "Delivered, expl. recorded"
      }
    ]
  }
}
```



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2.3 VoidShipment command

This resource can be used to cancel the generated labels.

Body Parameters

Name field	Description	Mandatory
Apikey	Apikey provided by Spring	M
Command	VoidShipment	M
Shipment Container		
TrackingNumber	Only one element is allowed: TrackingNumber or ShipperReference	O/M
ShipperReference	Only one element is allowed: TrackingNumber or ShipperReference	O/M

Example Request

```
{
  "Apikey" : "<your-apikey-here>",
  "Command" : "VoidShipment",
  "Shipment" : {
    "TrackingNumber" : "",
    "ShipperReference" : "Reference_001"
  }
}
```

Example Response

```
{
  "ErrorLevel" : 0,
  "Error" : "",
  "Shipment" : {
    "TrackingNumber" : "LX210720682NL",
    "ShipperReference" : "ref123456789"
  }
}
```



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2.4 GetShipmentLabel command

This resource can be used to reprint labels.

Body Parameters

Name field	Description	Mandatory
Apikey	Apikey provided by Spring	M
Command	GetShipmentLabel	M
Shipment Container		
LabelFormat	PDF (default) PNG ZPL300 – ZPL 300 dpi ZPL200 – ZPL 203 dpi ZPL – alias for ZPL300 EPL – EPL 203 dpi	O
TrackingNumber	Only one element is allowed: TrackingNumber or ShipperReference	O/M
ShipperReference	Only one element is allowed: TrackingNumber or ShipperReference	O/M

Example Request

```
{
  "Apikey" : "<your-apikey-here>",
  "Command" : "GetShipmentLabel",
  "Shipment" : {
    "LabelFormat" : "PDF",
    "TrackingNumber" : "",
    "ShipperReference" : "Reference_001"
  }
}
```

Example Response

```
{
  "ErrorLevel" : 0,
  "Error" : "",
  "Shipment" : {
    "TrackingNumber" : "LX210720682NL",
    "ShipperReference" : "Reference_001",
    "DisplayId" : "123450000",
    "Service" : "PPTT",
    "Carrier" : "PostNL Packet Tracked",
    "CarrierTrackingNumber" : "LX210720682NL",
    "CarrierLocalTrackingNumber" : "LX210720682NL",
    "CarrierTrackingUrl" : "http://tracking.carrier.com/LX210720682NL",
    "LabelFormat" : "PDF",
    "LabelType" : "Label",
    "LabelImage" : "base64-encoded-image-binary-data",
  }
}
```



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2.5 GetShipmentInvoice command

This resource can be used to generate the shipment invoice.

Body Parameters

Name field	Description	Mandatory
Apikey	Apikey provided by Spring	M
Command	GetShipmentInvoice	M
Shipment Container		
LabelFormat	PDF (default) PNG ZPL300 – ZPL 300 dpi ZPL200 – ZPL 203 dpi ZPL – alias for ZPL300 EPL – EPL 203 dpi	O
TrackingNumber	Only one element is allowed: TrackingNumber or ShipperReference	O/M
ShipperReference	Only one element is allowed: TrackingNumber or ShipperReference	O/M

Example Request

```
{
  "Apikey" : "<your-apikey-here>",
  "Command" : "GetShipmentInvoice",
  "Shipment" : {
    "LabelFormat" : "PDF",
    "TrackingNumber" : "",
    "ShipperReference" : "Reference_001"
  }
}
```

Example Response

```
{
  "ErrorLevel" : 0,
  "Error" : "",
  "Shipment" : {
    "TrackingNumber" : "LX210720682NL",
    "ShipperReference" : "Reference_001",
    "DisplayId" : "123450000",
    "Service" : "PPTT",
    "Carrier" : "PostNL Packet Tracked",
    "CarrierTrackingNumber" : "LX210720682NL",
    "CarrierLocalTrackingNumber" : "LX210720682NL",
    "CarrierTrackingUrl" : "http://tracking.carrier.com/LX210720682NL",
    "LabelFormat" : "PDF",
    "LabelType" : "Label",
    "LabelImage" : "base64-encoded-image-binary-data",
  }
}
```




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2.6 GetShipmentPoeLabel command

This resource can be used to generate a “Proof of Export” label.

Body Parameters

Name field	Description	Mandatory
Apikey	Apikey provided by Spring	M
Command	GetShipmentPoeLabel	M
Shipment Container		
LabelFormat	PDF (default) PNG ZPL300 – ZPL 300 dpi ZPL200 – ZPL 203 dpi ZPL – alias for ZPL300 EPL – EPL 203 dpi	O
TrackingNumber	Only one element is allowed: TrackingNumber or ShipperReference	O/M
ShipperReference	Only one element is allowed: TrackingNumber or ShipperReference	O/M

Example Request

```
{
  "Apikey" : "<your-apikey-here>",
  "Command" : "GetShipmentPoeLabel",
  "Shipment" : {
    "LabelFormat" : "PDF",
    "TrackingNumber" : "",
    "ShipperReference" : "Reference_001"
  }
}
```

Example Response

```
{
  "ErrorLevel" : 0,
  "Error" : "",
  "Shipment" : {
    "TrackingNumber" : "LX210720682NL",
    "ShipperReference" : "Reference_001",
    "DisplayId" : "123450000",
    "Service" : "PPTT",
    "Carrier" : "PostNL Packet Tracked",
    "CarrierTrackingNumber" : "LX210720682NL",
    "CarrierLocalTrackingNumber" : "LX210720682NL",
    "CarrierTrackingUrl" : "http://tracking.carrier.com/LX210720682NL",
    "LabelFormat" : "PDF",
    "LabelType" : "POE",
    "LabelImage" : "base64-encoded-image-binary-data",
  }
}
```



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2.7 GetProofOfExportReport command

This resource can be used to track shipments.

Body Parameters

Name field	Description	Mandatory
Apikey	Apikey provided by Spring	M
Command	TrackShipment	M
Shipment Container		
Report.DateRange	Array of start and end date, "YYYY-MM-DD" format	M
DateRangeType	c – create date (default) a – accept date e – export date	
Country	If empty all countries will be returned. ISO 2-letter country code. Example: US	O
ReportFormat	CSV (default) XLS PDF	O

Example Request

```
{
  "Apikey": "<your-apikey-here>",
  "Command": "GetProofOfExportReport",
  "Report": {
    "DateRange": [
      "2019-09-01",
      "2019-09-02"
    ],
    "DateRangeType": "c",
    "Country": "",
    "ReportFormat": "XLS"
  }
}
```



Example Response

```
{
  "ErrorLevel": 0,
  "Error": "",
  "Report": {
    "DateRangeType": "c",
    "DateRange": [
      "2019-09-01",
      "2019-09-02"
    ],
    "Country": "",
    "ReportFormat": "XLS",
    "ReportContent": "base64-encoded-report-data",
    "ReportRows": [
      ,
      {
        "TrackingNumber": "LX210720682NL",
        "ShipperReference": "ref123456789",
        "Weight": "0.45",
        "WeightUnit": "kg",
        "Value": "10",
        "Currency": "EUR",
        "ConsignorAddress": {
          "Name": "Xxxx1 Xxxxxx1",
          "Company": "Xxxx1 LTD",
          "AddressLine1": "Address1 XXX 1",
          "AddressLine2": "apt1 1X",
          "AddressLine3": "",
          "City": "Jersey",
          "State": "NJ",
          "Zip": "10002",
          "Country": "US",
        },
        "ConsigneeAddress": {
          "Name": "Xxxx Xxxxxx",
          "Company": "Xxxx LTD",
          "AddressLine1": "Address XXX 1",
          "AddressLine2": "apt 1X",
          "AddressLine3": "",
          "City": "New York",
          "State": "NY",
          "Zip": "10001",
          "Country": "US",
        },
        "CreateDateTime": "2018-01-10 12:00:00",
        "AcceptDateTime": "2018-01-11 12:00:00",
        "ExportDateTime": "2018-01-12 12:00:00"
      },
      ...
    ]
  }
}
```



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2.8 GetLocations command

This resource can be used to get Collect locations (PUDO points).

- Currently supported destinations: NL, BE. More will be added in the near future.
- From the API response "Id" and "Service" of chosen location should be transferred to "OrderShipment" API command in the fields Shipment.ConsigneeAddress.PudoLocationId and Shipment.Service.

Body Parameters

Name field	Description	Mandatory
Apikey	Apikey provided by Spring	M
Command	GetLocations	M
Location Container		
Country	Ship to country (2 letter ISO code)	M
Zip	Ship to zip code	M

Example Request

```
{
  "Apikey": "<your-apikey-here>",
  "Command": "GetLocations",
  "Location": {
    "Country": "NL",
    "Zip": "2132WT"
  }
}
```

Example Response

```
{
  "ErrorLevel": 0,
  "Location": [
    {
      "Id": "176227",
      "Service": "CLLCT",
      "Carrier": "PostNL",
      "Name": "Primera Sanders",
      "Address1": "Polderplein 3",
      "Address2": null,
      "City": "Hoofddorp",
      "State": null,
      "Zip": "2132BA",
      "CountryCode": "NL",
      "Latitude": 52.30329367,
      "Longitude": 4.69476214,
      "BusinessHours": "Mon: 11:00-18:00, Tue: 9:00-18:00, Wed: 9:00-18:00, Thu: 9:00-18:00, Fri: 9:00-21:00, Sat: 9:00-18:00, Sun: 12:00-17:00"
    },
    ...
  ]
}
```

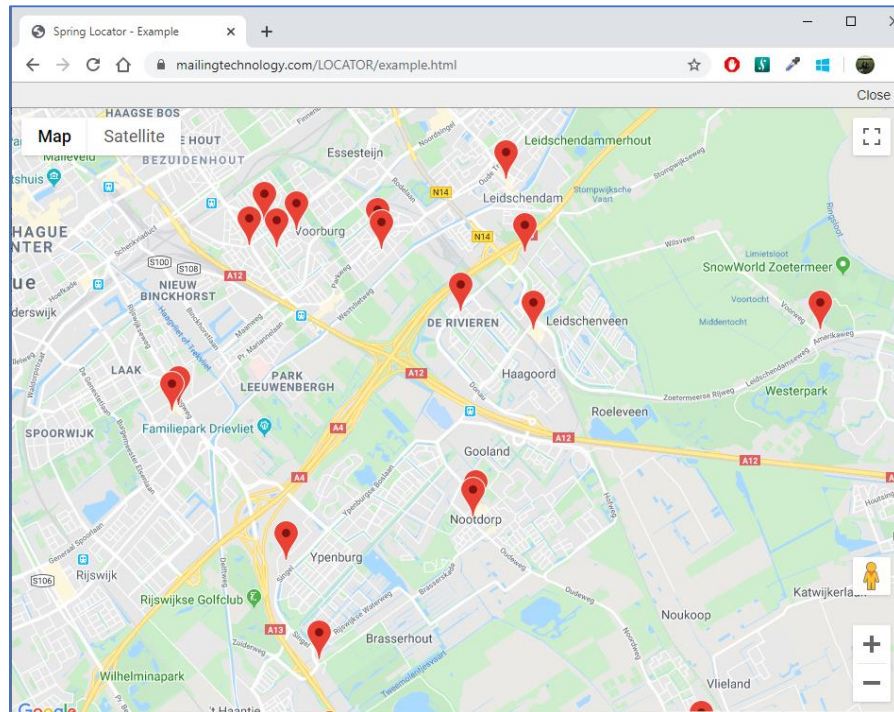


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2.8.1 GetLocations widget

There is a widget available for Collect locations which can be integrated in a website



Widget url structure:

<https://mailingtechnology.com/LOCATOR/?country=<country-code>&zip=<zipcode>>

Example widget url:

<https://mailingtechnology.com/LOCATOR/?country=NL&zip=2595AK>

The widget can be called (opened in iframe) from a web page with the required country and zip-code transferred in the url. When the consumer selects a location the data is sent to the page that called the widget using the `postMessage()` method, used to send cross-domain messages. The web page should accept and parse this message listening window 'message' event.

The widget sends JSON-encoded location's data like name, address, id and Spring service code to the parent page. The web page should parse it and at least get Service and Id. These are used to create a parcel in XBS.

See the page source of an example widget integration:

<https://mailingtechnology.com/LOCATOR/example.html>



2.9 OrderShipmentInfo command

This resource can be used to get information on a potential shipment before running the OrderShipment command. The main use case of this command is to display a Tax and Duties calculation in the checkout basket of a web shop. This is especially useful for customers that are using a DDP service. Please note that returning Tax and Duties information is a pay-per-request service and needs to be activated for the account. When your account is activated for Tax and Duties Calculation (DDP services) the value "DDP" can be specified for request key Shipment.CustomsDuty. The Tax and Duties information is contained in the Shipment.DdpInfo block of the response. Some notes on the response:

- $\text{calculatedTotal} = \text{productRawTotal} + \text{totalTax} + \text{totalDuty} + \text{ShippingValue}$
- `hs6codeDescription` is the official description of the provided `HsCode`

The OrderShipmentInfo also returns the final mile carrier service selected when a routed service like TRCK, SIGN and UNTR is specified. See `Shipment.Service` and `Shipment.Carrier` in the response. This part of the command does not require activation and is free to use.

The command has the exact same structure as the OrderShipment command in Chapter 2.1. Running the OrderShipmentInfo not generate a label but instead return shipment information. The request parameter `Shipment.ShippingValue` is only used in the OrderShipmentInfo command. This is the shipping costs charged to the receiver of the parcel.

Body Parameters

The request body contains the same body parameters as the OrderShipment command. See chapter 2.1 for a description of the body parameters. Please note that in the `Shipment.Products` list the following fields are required for Tax & Duty calculation:

- `Shipment.Products[x].Description`
- `Shipment.Products[x].HsCode`
- `Shipment.Products[x].OriginCountry`
- `Shipment.Products[x].Quantity`
- `Shipment.Products[x].Value`



Example Request

```
{
  "Apikey": "<your-apikey-here>",
  "Command": "OrderShipmentInfo",
  "Shipment": {
    "LabelFormat": "PDF",
    "ShipperReference": "Reference_001",
    "DisplayId": "123450000",
    "InvoiceNumber": "678900000",
    "Service": "SIGN",
    "ConsignorAddress": {
      "Name": "Jan Janssen",
      "Company": "Spring GDS"
    },
    "ConsigneeAddress": {
      "Name": "John Doe",
      "Company": "John Doe's Company",
      "AddressLine1": "20 W 34th St",
      "AddressLine2": "",
      "AddressLine3": "",
      "City": "New York",
      "State": "NY",
      "Zip": "10001",
      "Country": "US",
      "Phone": "+1-123-456-7890",
      "Email": "john@doe.com",
      "Vat": ""
    },
    "Weight": "0.8",
    "WeightUnit": "kg",
    "Length": "20",
    "Width": "10",
    "Height": "10",
    "DimUnit": "cm",
    "Value": "20",
    "Currency": "EUR",
    "CustomsDuty": "DDP",
    "Description": "CDs",
    "DeclarationType": "SaleOfGoods",
    "Products": [
      {
        "Description": "CD: The Postal Service - Give Up",
        "Sku": "CD1202",
        "HsCode": "852349",
        "OriginCountry": "GB",
        "ImgUrl": "http://url.com/cd-thepostalservicegiveup.jpg",
        "Quantity": "2",
        "Value": "20",
        "Weight": "0.8"
      }
    ]
  }
}
```



Example Response

```
{
  "ErrorLevel": 0,
  "Shipment": {
    "ShipperReference": "",
    "DisplayId": "123450000",
    "Service": "PPTT",
    "Carrier": "PostNL Packet Tracked",
    "DdpInfo": {
      "requestId": "beb2c57c-087a-44fb-a7d2-0a5e06a9d5ad",
      "landedCost": {
        "requestId": "df3b615b-64fb-4271-84b5-f53a65aabf67",
        "sourceCountry": "NL",
        "sourceCurrency": "EUR",
        "destinationCountry": "US",
        "destinationCurrency": "USD",
        "convertCurrency": true,
        "currencyExchange": "EUR:USD",
        "exchangeRate": 1.0764086398,
        "rateLastUpdated": "2020-07-14T07:44:00.426Z",
        "vwUnitsMetric": true,
        "shippingValue": {
          "sourceValue": 0,
          "destinationValue": 0
        },
      },
      "products": [
        {
          "hs6code": "852349",
          "commodityCode": "8523495000",
          "value": {
            "sourceValue": 20,
            "destinationValue": 21.53
          },
          "description": "CD: THE POSTAL SERVICE - GIVE UP",
          "percentageDutyRate": 0,
          "volumetricDutyRate": 0,
          "itemDutyRate": 0,
          "additionalDutyRate": null,
          "taxRate": 0.08875,
          "dutyValue": {
            "sourceValue": 0,
            "destinationValue": 0
          },
          "taxValue": {
            "sourceValue": 1.78,
            "destinationValue": 1.92
          },
          "productTotal": {
            "sourceValue": 21.78,
            "destinationValue": 23.44
          },
          "hs6codeDescription": "electric chicago blues"
        }
      ],
      "productRawTotal": {
        "sourceValue": 20,
        "destinationValue": 21.53
      },
      "calculatedTotal": {
        "sourceValue": 21.78,
        "destinationValue": 23.44
      },
      "totalTax": {
        "sourceValue": 1.78,
        "destinationValue": 1.92
      },
      "totalDuty": {
```




```
    "sourceValue": 0,
    "destinationValue": 0
  },
  "dutyDeminimisValue": {
    "sourceValue": 743.21,
    "destinationValue": 800
  },
  "taxDeminimisValue": {
    "sourceValue": 743.21,
    "destinationValue": 800
  },
  "isError": false,
  "errorCode": 0,
  "notes": "",
  "generatedDate": "2020-07-14T07:44:00.427Z"
},
"prohibitedRestricted": {
  "requestId": "8526c8cc-1385-4123-b4e1-782b864a568a",
  "sourceCountry": "NL",
  "destinationCountry": "US",
  "products": [
    {
      "hs6code": "852349",
      "commodityCode": "8523495000",
      "exportCode": [

    ],
      "transportCode": [

    ],
      "importCode": [

    ],
      "description": "CD: THE POSTAL SERVICE - GIVE UP"
    }
  ],
  "isError": false,
  "errorCode": 0,
  "notes": "",
  "generatedDate": "2020-07-14T07:44:00.368Z"
}
}
}
```



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3 Tracking Event Codes List

The following table gives a description for the tracking event code. This table may be extended in the future.

Codes	Event description
0	PARCEL CREATED
20	ACCEPTED
21	IN TRANSIT
2101	IN TRANSIT - EXPORTED
25	END OF TRACKING UPDATES
31	DELIVERY EXCEPTION
40	IN CUSTOMS
41	CUSTOMS EXCEPTION
91	DELIVERY ATTEMPTED
92	DELIVERY AWAITING COLLECTION
93	DELIVERY SCHEDULED
100	DELIVERED
101	DELIVERED TO DESTINATION COUNTRY
111	LOST OR DESTROYED
11101	LOST
11102	DESTROYED
124	RETURN IN TRANSIT
12401	RETURN IN TRANSIT - REFUSED
12402	RETURN IN TRANSIT - UNDELIVERABLE
12403	RETURN IN TRANSIT - DAMAGED
12404	RETURN IN TRANSIT – NOT COLLECTED
12405	RETURN IN TRANSIT – ACCORDING TO AGREEMENT
125	RETURN RECEIVED