Link Logistics Web API documentation

Table of contents

[Communication 1](#_Toc490558633)

[Authentication 1](#_Toc490558634)

[Endpoints and functions 2](#_Toc490558635)

[Create a new shipment 2](#_Toc490558636)

[Get information on existing shipment 3](#_Toc490558637)

[Edit existing shipment 4](#_Toc490558638)

[Delete shipment 5](#_Toc490558639)

[Get a price estimate 6](#_Toc490558640)

[Get the shipments freight letter 7](#_Toc490558641)

[Get printable freight label 8](#_Toc490558642)

[Add a document to shipment 8](#_Toc490558643)

[Get shipment documents 9](#_Toc490558644)

[Fields 10](#_Toc490558645)

# Communication

The API can be accessed through either <https://app.linklog2.dk/webapi/> or <https://app.linklog.se/webapi/>. The two access points are identical in every way.

All communication with the WebAPI is done with HTTPS.

The API can receive both GET and POST requests. When using GET requests, parameters must be provided in the URL. For POST requests you can send JSON.

The API generally returns JSON formatted data, however in some cases a file or HTTP error can be returned. The possible responses will be specified for each endpoint later in this document.

You can download a working example of how to use this API [here](https://app.linklog2.dk/static/other/webapiexample.zip). All you need is a passphrase.

## Authentication

In order to use most functions in the WebAPI, the account’s passphrase must be provided as the pph parameter. If this is omitted or a wrong key is provided, a 403 error will be returned.

The WebAPI also checks either the HTTP\_REFERER header which must be the domain name of the server where your integration is running and the HTTP\_REMOTEHOST header which must be the IP of the server. Both of these must be whitelisted by Link Logistics before you can use the API.

# Endpoints and functions

## Create a new shipment

/webapi/shipments/create/

Checks if the provided data is valid and creates a new shipment if it is. Returns shipment data.

Required Fields

* pph
* invoice-invoice\_account
* sender-countrycode
* sender-name
* sender-company
* sender-address1
* sender-city
* recipient-countrycode
* recipient-city
* recipient-name
* recipient-company
* recipient-address1
* recipient-postal
* recipient-city
* carrier-description
* carrier-servicelevel
* carrier-shipment\_type
* carrier-duty
* carrier-terminal
* package1-weight

The API uses the account’s template, so while these fields are required, you do not need to include them if they have already been set in your account’s template.

Example

<http://app.linklog2.dk/webapi/shipments/create?pph=YOURPASSPHRASEHERE&recipient-country=215&recipient-address1=Testvej+23&recipient-city=TestCity&recipient-company=Test&sender-countrycode=SE&recipient-postal=444+44&recipient-name=Morten&carrier-description=testtest&recipient-countrycode=SE&carrier-duty=23&carrier-terminal=5>

Response

*Success*

This returns JSON formatted data about the new shipment. The id field is particularly important since this is used in all remaining API endpoints.



*Error*

Multiple errors can be returned, but all will be found in the “errors” field.



## Get information on existing shipment

/webapi/shipments/get/<shipment id> /

Provides information about an existing shipment.

Required Fields

* pph

Example

<https://app.linklog2.dk/webapi/shipments/get/123456789?pph=YOURPASSPHRASEHERE>

Response

*Success*



*Error*



## Edit existing shipment

/webapi/shipments/edit/<shipment id> /

Edits an existing shipment.

Required Fields

* pph
* whichever you want to edit

Example

Changing the recipient name.

<https://app.linklog2.dk/webapi/shipments/edit/123456798?pph=YOURPASSPHRASEHERE&recipient-name=Testy+McTest>

Response

*Success*

Exactly the same format as [/create](#_Response) but with the updated data. The shipment id will remain the same as before the edit.

#### Error

If the new data is invalid, the shipment doesn’t exist or the shipment can no longer be edited, one or more errors will be returned.



## Delete shipment

/webapi/shipments/delete/<shipment id>/

Deletes a shipment.

Required Fields

* pph

Example

<https://app.linklog2.dk/webapi/shipments/delete/123456789?pph=YOURPASSPHRASEHERE>

Response

*Success*



*Error*

If the shipment is not found, an error will be returned.



## Get a price estimate

/webapi/shipments/estimate/

Returns an estimate of price and transit time for a shipment, but does not create one. This means you can use it to test the validity of your data.

Required Fields

* pph
* sender-countrycode
* recipient-countrycode
* recipient-country
* recipient-city
* recipient-postal
* recipient-name
* recipient-company
* recipient-address1
* carrier-description
* carrier-duty
* carrier-terminal

Example

<http://app.linklog2/webapi/shipments/estimate?pph=68j7OE0TmyN9XFQ3CJKa&recipient-country=215&recipient-address1=Testvej+23&recipient-city=TestCity&recipient-company=Test&sender-countrycode=SE&recipient-postal=444+44&recipient-name=Morten&carrier-description=testtest&recipient-countrycode=SE&carrier-duty=23&carrier-terminal=5>

Response

*Success*



*Error*



## Get the shipments freight letter

/webapi/shipments/freightletter/<shipment id>/<hash>/

Returns a shipment’s freight letter identified by the file hash which was returned from either /create, /get, or /edit.

The full url to get this is returned from /create, /edit and /get.

You do not need your passphrase to access this file.

Required Fields

None

Example

<https://app.linklog2.dk/webapi/shipments/freightletter/3331210/aac670b854729a5d/>

Response

*Success*

A pdf file containing the freight letter

*Error*

A 403 – Forbidden error.

## Get printable freight label

/webapi/shipments/label/<shipment id>/<hash>/

The same as /freightletter except the pdf will be a 4”x8” label suitable for printing on a Zebra GK420d or similar.

Required Fields

None

Example

<https://app.linklog2.dk/webapi/shipments/label/3331210/aac670b854729a5d/>

Response

*Success*

An 8”x4” package label as a pdf

*Error*

A 403 – Forbidden error.

## Add a document to shipment

/webapi/shipments/documents/<shipment id>/add/<type>

Add a document to a shipment.

The type argument can be set to either “invoice” or “other” and will default to “invoice” if omitted from the URL.

Required Fields

* pph
* filename
* data (POST only)
* contents (POST only)

Example

**GET**

If you send the file via a GET request, the contents of the file must be provided in the request body. An example request could look like this:



**POST**

When sending a file via POST, you must provide the filename and the contents of the file in a field called “data”. The file contents must be base64 encoded.



Response

*Success*



*Error*



## Get shipment documents

/webapi/shipments/document/<shipment id>/get/name

Get a document from a shipment.

This endpoint cannot return the documents uploaded by you, it only returns documents generated by Link Logistics i.e. freight label and battery declaration.

Required fields

* pph

Example

<http://app-c3p0/webapi/shipments/documents/3331210/get/battery?pph=YOURPASSPHRASEHERE>

Response

*Success*

The requested file

*Error*



# Fields

This is a list of all accepted parameters along with a description of their valid values.

|  |  |
| --- | --- |
| invoice-invoice\_account | Link Logistics Account number |
| sender-countrycode | Sender country in ISO 3166-1 alpha-2 |
| sender-name | Sender name |
| sender-company | Sender Company name |
| sender-address1 | Sender address part 1 (street and house number) |
| sender-address2 | Sender address part 2 |
| sender-postal | Sender address postalcode |
| sender-city | Sender address city |
| sender-phone | Sender phonenumber |
| sender-email | Sender email addresses |
| carrier-reference | Shipment reference |
| recipient-countrycode | Recipient country in ISO 3166-1 alpha-2 |
| recipient-name | Recipient name |
| recipient-company | Recipient company name |
| recipient-address1 | Recipient address part 1 (street and house number) |
| recipient-address2 | Recipient address part 2 |
| recipient-postal | Recipient address postalcode |
| recipient-city | Recipient address city |
| recipient-state | Recipient state 2 letter code (for US and CA) |
| recipient-phone | Recipient phonenumber |
| recipient-email | Recipient email addresses |
| recipient-address\_type | Set to ”business” for B2B shipments, ”privat” for B2C shipments. Default is “business”.  In order to use this feature, your Link account must be configured for B2C shipments. |
| carrier-recipientreference | A message sent to the recipient |
| additions-cc | Recipient pays for transport, values: 1 or omitted |
| additions-cc\_account | The recipients account carrier number |
| package1-count | The amount of packages of size 1 |
| package1-weight | The weight of packages of size 1 |
| package1-length | The length of package of size 1 |
| package1-width | The width of packages of size 1 |
| package1-height | The height of packages of size 1 |
| If more than one package size is needed package2 can be used. If more package3 and so on. | |
| additions-pallet | The shipment is on a pallet, values: 1 or omitted |
| additions-dryice | The shipment contains Dryice, values 1 or omitted |
| additions-dryice\_weight | The weight of the dryice contained in the shipment |
| additions-dg | The shipment contains Dangerous goods |
| additions-dg\_un | UN Number |
| additions-dg\_psn | Proper Shipping Name |
| additions-dg\_class | Dangerous goods Class |
| additions-dg\_png |  |
| additions-dg\_pinst | packing instructions |
| additions-dg\_exc\_qty | DG is in excepted quantities (all other DG values are then omitted) |
| carrier-shipment\_type | Shipment type values: "Andet" or "Dokumenter" meaning "Other" or "Documents" |
| carrier-harmony | Shipment harmony code |
| carrier-description | A description of the shipments contents in english |
| carrier-duty | The shipments duty value |
| carrier-duty\_currency | The duty values currency |
| additions-soldto | Use soldto on this shipment |
| soldto-countrycode | Solto country in ISO 3166-1 alpha-2 |
| soldto-name | Soldto name |
| soldto-company | Soldto company name |
| soldto-address1 | Soldto address part 1 (street and house number) |
| soldto-address2 | Soldto address part 2 |
| soldto-postal | Soldto address postalcode |
| soldto-city | Soldto address city |
| soldto-state | Soldto state 2 letter code (for US and CA) |
| soldto-phone | Soldto phonenumber |
| soldto-email | Soldto email addresses |
| additions-soldto\_transport\_account | Soldto carrier account number |
| additions-note | Add a note to Links Special Service |
| additions-note\_text | The contents of the note to Special Service |
| additions-insurance | If you want the shipment insured, value: 1 or omitted |
| additions-saturday | If you want the shipment delivered on saturday, value: 1 or omitted |
| additions-ddp | The sender pays duty, value: 1 or omitted |
| additions-invoice\_neutralize | Invoice neutralization, value: 1 or omitted |
| additions-additional\_customsdocs | The shipment has additional customs documents, value: 1 or omitted |
| carrier-date | The date the shipment will be sent in (dd/mm/YY) |
| carrier-servicelevel | The shipments servicelevel values: 1 - Link Economy, 2 - Link Express |
| carrier-carrier | Link will find the best suited carrier if this field is omitted. If you want a specific carrier you can specify it here, either using the carriers id or name. Only carriers possible for the selected destination and servicelevel will be accepted. If you need help whats possible on your case please contact Link Logistics IT. |