API Documentation

Getting started:

The Packlink API follows REST principles. Our API is resource-oriented and returns HTTP response codes to indicate errors. HTTP verbs and authentication are supported, which allows most common HTTP clients to communicate with our API easily. We support CORS which makes client-side application programming straightforward. JSON is used for all responses and can also be used for POST requests (along with form-encoding).

Environments:
Production: https://api.packlink.com/v1
Sandbox: https://apisandbox.packlink.com/v1

Authentication
You authenticate to the Packlink API by adding your API key to the HTTP Authorization header.

List of endpoints

- Authentication
- Endpoints
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    - Login
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    - Get Services
    - Get available services details
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    - Get Label
    - Get Customs
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    - Shipment Callback
    - Events

Authentication

You authenticate to the Packlink API by adding your API key to the HTTP Authorization header.

Endpoints

Registration

- Endpoint:
  POST   /v1/register

- Request Parameters:

REQUEST PARAMETER	VALUE	DESCRIPTION
email required	String	A valid email
estimated_delivery_volume required	String	Possible values: 1 - 10 11 - 50 51 – 100 101 - 200 > 200
password required	String	Min. 6 chars.
phone optional	String	
platform required	String	This field is hidden for the user. Possible values: PRO, API, COM
platform_country required	String	This field is hidden for the user. Possible values: ES FR IT DE
ip required	String	This field should contain the end user (seller) ip used for registration.

source required	String	This field should contain the url where the user is offered with registration and consent checkbox, meaning that this url is where the user selects the consents (see object "policies") given to Packlink.
policies required	Object	This object contains the fields for the different consents required under GDPR. The values of the 4 fields in this object should be set by the user with check-boxes. Refer to https://pro.packlink.es (.it, .de, .fr) to see the texts/links to be implemented next to the checkboxes.
policies.terms_and_conditions required	Boolean	This field will specify whether the user accepts Packlink T&Cs at registration (true) or not (false). The registration will only be successful if the user accepts these T&Cs (true). Visually implement an **un-marked checkbox.** Recommendation: only proceed with the API registration request if the user checks it.
policies.data_processing required	Boolean	This field will specify whether the user allows Packlink to store and process their data under certain conditions (true) or not (false). The registration will only be successful if the user gives this consent (true). Visually implement an **un-marked checkbox.** Recommendation: only proceed with the API registration request if the user checks it.
policies.marketing_emails required	Boolean	This field will specify whether the user allows Packlink to send promotional e-mails (true) or not (false). Visually implement an **un-marked checkbox.**
policies.marketing_calls required	Boolean	This field will specify whether the user allows Packlink to do commercial calls (true) or not (false). Visually implement an **un-marked checkbox.**

referral optional	Object	Helps identifying the source of a registered user.
referral.onboarding_product required	String	
referral.onboarding_sub_product required	String	
ecommerces optional	Array	Provides information about e-commerce platforms used by the new client.
marketplaces optional	Array	Provides information about marketplace platforms used by the new client.
language optional	String	Provides information about language configured by client. The website will be displayed according to this language if it is supported. Languages supported: "de_DE" / "es_ES" / "fr_FR" / "en_GB" / "it_IT" / "en_GB" / "nl_NL" If a non-supported language is sent, the website will be displayed in the language of platform_country or English.

- Request Headers:
  Content-Type: application/json
- Request Payload (example):

```
{
  "email": "myaccount@packlink.es",
  "password": "myPassword",
  "estimated_delivery_volume": "1 - 10",
  "platform": "PRO",
  "platform_country": "ES",
  "phone": "+34666558877",
  "ip": "123.123.123.123",
  "source": "https://urlwhereregistrationoffered",
  "policies": {
          "terms_and_conditions": true,
          "data_processing": true,
          "marketing_emails": true,
          "marketing_calls": true
  },
  "referral": {
          "onboarding_product": "dummy",
          "onboarding_sub_product": "sub_dummy"
  }
}
```

- Response:
  Status: 200 OK

  {
  "token": "de1badc159485f880000c954ebf26795a70b5fdf6433875488358e6496c566c4"
  }

Login

- Endpoint:
  GET   /v1/login?platform=pro&platform_country=es

- Query parameters:

QUERY PARAMETER	VALUE	DESCRIPTION
platform required	String	Possible values: pro
platform_country required	String	Possible values: es fr it de

- Request Headers:
  Authorization: Basic bXlhY2NvdW50QHBhY2tsaW5rLmVzOm15UGFzc3dvcmQ=
  Content-Type: application/json

- Response:
  Status: 200 OK

  {
  "token": "44c2a45734386ca1ff9a77a6f82cd4f20962c094835f1f6d6ba8c7ef94b0a155"
  }

- Explanation of the info given in the field Authorization:
  The Authorization param is formed by two strings: "Basic " + "<credentials encoded in base-64>"
  Then, if your user is "myaccount@packlink.es" and your password is "myPassword", you will have to make another string <email>:<password>
  and encode this string in base-64 and use this string encoded in the Authorization param.

Code example:

```
def email = "myaccount@packlink.es"
def password = "myPassword"
def s = email + ":" + password

String encoded = s.bytes.encodeBase64().toString()
println "Basic " + encoded
```

Result of the execution:

Basic bXlhY2NvdW50QHBhY2tsaW5rLmVzOm15UGFzc3dvcmQ=

Password reset email

- Endpoint:
POST   /v1/users/recover-password/notify?platform_country=**{platform_country code}**&platform=**{platform code}**

QUERY PARAMETER	VALUE	DESCRIPTION
platform required	String	Possible values of the platform code: PRO, API, etc
platform_country required	String	Possible values of the platform_country: es fr it de

- Request Headers:
Content-Type: application/json

   Request payload:

   {email: "email@example.com"}

- Response:
Status: 200 OK

Generate API Key

- Endpoint:
POST   /v1/users/api/keys
- Request Headers:
Authorization:

44c2a45734386ca1ff9a77a6f82cd4f20962c094835f1f6d6ba8c7ef94b0a155
Content-Type: application/json

- Response:
  Status: 201 CREATED

  {"token":"c80cfc01d13504e8a8cbe37ad2ea4e6f3464e388b7f56c7104724b4f5d557262"}

NOTE! The client may already have a Packlink API key, so before generating a new one with a POST request, it is recommended to try a GET request first.

Get Services

Status Codes:

Code	Meaning
200	Ok
400	Bad Request
401	UnAuthorized
500	Internal Error

GET /v1/services

Gives you a list of available carrier services for your shipment.

Request:

REQUEST PARAMETER	VALUE	DESCRIPTION
service_id optional	Integer	Filters services by the given service_id
source optional	string	customer's source referral

From required	Object	Sender's Location
from.zip required	String	Sender's zip code. (Example value: 28045)
from.country required	String	Sender's country. (Example value: ES)
to required	Object	Receiver's Location
to.zip required	String	Receiver's zip code. (Example value: 56457)
to.country required	String	Receiver's country. (Example value: DE)
packages[ ] required	Array	Specification of the packages you are sending. **A numeric index for each element of packages needs to be provided.** **Example: packages[1]**
packages[ ].width required	Float	Width of your package in cm (Example value: 23)
packages[ ].height required	Float	Height of your package in cm (Example value: 15)
packages[ ].length required	Float	Length of your package in cm (Example value: 10)
packages[ ].weight required	Float	Weight of your package in kg (Example value: 0.5)

Response:

RESPONSE PARAMETERS	VALUE	DESCRIPTION

`id`	integer	Packlink Unique identifier for the shipping service.
`carrier_name`	string	Name of the carrier.
`name`	string	Name of the shipping service.
`country`	string	Indicates the Country of offering (Example: DE for Packlink.de etc.). Not needed for further functions.
`base_price`	float	Base price of shipment, excl. VAT.
`currency`	string	Currency of base price.
`delivery_to_parcelshop`	boolean	Indicates if there is drop off points at **destination**. Additional information can be found in dropoff_points
`labels_required`	boolean	Indicates whether service needs labels.
`customs_required`	boolean	Indicates whether service needs customs.
`dropoff`	boolean	Indicates if there is drop off points at **origin**. Additional information can be found in dropoff_points
`insurance`	object	Insurance information
`insurance.additional_insurance`	boolean	Wether or not additional insurance can be purchased

`insurance.apply_percentage_additional_insurance`	float	Percentage which will be applied on the total insurance amount.
`insurance.base_insurance`	float	Insurance Amount, which is already included in the base price.
`insurance.max_insurance`	float	Maximum insurance value possible to be purchased.
`cash_on_delivery`	object	Information about cash_on_delivery
`cash_on_delivery.offered`	boolean	Indicates wether Cash on Delivery is available for this service..
`cash_on_delivery.min_cash_on_delivery`	float	Minimun COD amount required to purchase cash on delivery.
`cash_on_delivery.max_cash_on_delivery`	float	Maximum amount allowed for cash on delivery
`cash_on_delivery.apply_percentage_cash_on_delivery`	float	Percentage which will be charged over total COD amount.
`available_dates`	list	List of available pickup times.
`available_dates.{yyyymmdd}`	list	List of timeframes in format: [[hh:mm, hh:mm]]

Example response:

```
[{"dropoff": true,
"name": "Point Relais", "delivery_to_parcelshop": true, "labels_required":
true, "customs_required": false, "transit_time": "3-4 Days", "country": "de",
"cash_on_delivery": {
```

```
"apply_percentage_cash_on_delivery": 0, "offered": false,
"max_cash_on_delivery": 0, "min_cash_on_delivery": 0
}, "insurance": {
"base_insurance": "25.00", "additional_insurance": true, "max_insurance":
1000, "apply_percentage_aditional_insurance": 5
},
"currency": "EUR", "available_dates": {
"2014/12/22": [
"['09:00', '18:00']" ],
"2014/12/23": [
"['09:00', '18:00']" ],
"2014/12/24": [
"['09:00', '18:00']" ],
"2014/12/18": [
"['09:00', '18:00']" ],
"2014/12/31": [
"['09:00', '18:00']" ],
"2014/12/30": [
"['09:00', '18:00']" ],
"2014/12/29": [
"['09:00', '18:00']" ],
"2014/12/17": [
"['09:00', '18:00']" ],
"2014/12/16": [
"['09:00', '18:00'] , ['']" ],
"2014/12/26": [
"['09:00', '18:00']" ],
"2015/1/1": [
"['09:00', '18:00']" ],
"2014/12/19": [
"['09:00', '18:00']" ],
"2014/12/25": [
"['09:00', '18:00']" ]
},
"carrier_name": "Mondial Relay", "id": 5701,
"base_price": 8.26
} ]
```

Get available services details

Status Codes:

Code	Meaning
200	Ok
400	Bad Request
401	UnAuthorized
500	Internal Error

GET /v1/services/available/{identifier}/details

Gives you a carrier service detail enabled or disabled.

Request:

REQUEST PARAMETER	VALUE	DESCRIPTION
Identifier required	String	Packlink service identifier (Example value: 20134)

Example request:

```
GET /v1/services/available/20134/details
```

Response

RESPONSE PARAMETER	VALUE	DESCRIPTION
carrier_name	String	Name of the carrier.
service_name	String	Name of the service.
service_logo	String	Absolute path of an service logo.
service_id	String	Packlink unique identifier of the service.
enabled	Boolean	Indicates whether service is enabled or disabled.
departure_type	String	Indicates whether service is drop-off or pick-up.
destination_type	String	Indicates whether service is drop-off or home.
service_details	List[String]	Additional information about service conditions.
packlink_info	List[String]	Additional information about packlink conditions.
service_type	String	Indicates whether service is standard / drop-off.

Example response:

```
{
"carrier_name": "TNT",
```

```
"service_name": "Economy Europa",
"service_logo":
"https://pro.packlink.es/private/assets/images/carriers/es/tnt_economy-europa
"service_id": "20134",
"enabled": false,
"departure_type": "pick-up",
"destination_type": "home",
"service_details": [
"Envío de paquetería con cobertura Europa",
"Entrega bajo firma",
"Servicio Economy: entrega en 2-8 días, según destino",
"Peso máximo: 1,000 Kg, Largo máximo: 240 cm. Suma Largo+Alto+Ancho máximo:
540 cm", "A partir de 70 kilos la mercancía debe ir paletizada"
], "packlink_info": [
"Seguimiento del envío a través de la web en tiempo real",
"Atención al cliente vía email y chat",
"El tiempo de tránsito se calcula considerando exclusivamente días
laborables. Los fines de "Cada envío está asegurado para pérdida o daño hasta
200€"
],
"service_type": "standard" }
```

Get dropoff

Status Codes:

Code	Meaning
200	Ok
400	Bad Request
401	UnAuthorized
500	Internal Error

GET /v1/dropoffs/{service_id}/{iso_country}/{postal_code}

Gives you a list of the ten closest dropoff points.

Request:

REQUEST PARAMETER	VALUE	DESCRIPTION

service_id required	integer	Packlink Service ID. required
iso_country required	string	To letters small caps country code (Countries ISO Codes (https://en.wikipedia.org/wiki/ISO_3166-1_alpha-2#Officially_assigned_code_elements))
postal_code required	string	Postal code (ZIP code).

Example request:

```
GET /v1/dropoffs/5701/FR/75001
```

Response:

RESPONSE PARAMETER	VALUE	DESCRIPTION
id	String	Name of the carrier.
commerce_name	String	Name of the service.
address	String	Absolute path of an service logo.
zip	String	Packlink unique identifier of the service.
state	String	Indicates whether service is enabled or disabled.
city	String	Indicates whether service is drop-off or pick-up.
country	String	Indicates whether service is drop-off or home.
type	String	Additional information about service conditions.
lat	Float	Additional information about packlink conditions.
long	Float	Indicates whether service is standard / drop-off.
opening_times	Object	One property per weekday (english names, from monday to sunday) with each opening time as string value
phone_number	String	Full phone number.

Example response:

```
[
{
    "commerce_name": "MONDIAL RELAY CHEZ SUN ECO ",
    "city": "PARIS ",
    "opening_times": {
        "opening_times": {
            "monday": "",
            "tuesday": "11:00-13:00, 14:30-19:30",
            "friday": "11:00-13:00, 14:30-19:30",
            "wednesday": "11:00-13:00, 14:30-19:30",
            "thursday": "11:00-13:00, 14:30-19:30",
            "sunday": "",
            "saturday": "11:00-13:00, 14:30-19:30"
        }
    },
    "zip": "75002",
    "country": "FR",
    "long": "02,3517100",
    "phone": "",
    "state": "",
    "address": "2 RUE CHENIER ",
    "lat": "48,8689000",
    "type": "",
    "id": "052272"
},
]
```

Create Order

Status Codes:

Code	Meaning
200	Ok
400	Bad Request
401	UnAuthorized
500	Internal Error

POST /v1/orders

Creates a new order. Each order can include several shipments.

Request:

REQUEST PARAMETER	VALUE	DESCRIPTION
order_custom_reference optional	string	Personal, unique identifier for your order. Can be used to save e.g. transaction number. Max 50 chars
shipments[]	array	List of all shipments for this order.
shipments[].shipment_custom_reference optional	string	Personal, unique identifier for your shipment. Can be used to save e.g. transaction number. Max 50 chars
shipments[].source optional	string	Shipment's source referral
shipments[].from required	object	The sender's address.
shipments[].from.name required	string	The sender's name Example value: Daniel Max 100 chars
shipments[].from.surname required	string	The sender's surname Example value: Werner Max 100 chars
shipments[].from.company optional	string	The sender's company name Example value: Packlink
shipments[].from.street1 required	string	First line of the sender's address Example value: Cl. Amaltea 9 Max 255 chars
shipments[].from.street2 optional	string	Second line of the sender's address Example value: Planta 3A Max 255 chars

`shipments[].from.zip_code` `required`	string	The zip code (or postal code) Example value: 28045 Max 255 chars
`shipments[].from.city` `required`	string	The city Example value: Madrid Max 255 chars
`shipments[].from.state` `required`	string	The state (or province) Example value: Madrid Max 255 chars
`shipments[].from.country` `required`	string	The country (2 digit ISO Code) Example Value: ES Max 2 chars
`shipments[].from.phone` `required`	string	The sender's phone number. Validated with +?[09]{2}\(?\d{6,}\)? Example Value: +34696133234 Max 15 chars
`shipments[].from.email` `required`	string	The sender's email address Example value: danielwerner@packlink.com Max 255 chars
`shipments[].to` `required`	object	Destination address. Same parameters as object from.
`shipments[].packages[]` `required`	array	Specification of packages you are sending
`shipments[].packages[].width` `required`	float	Width of your package in cm Example value: 23 Only 2 decimals allowed

`shipments[].packages[].height` required	float	Height of your package in cm Example value: 15 Only 2 decimals allowed
`shipments[].packages[].length` required	float	Length of your package in cm Example value: 10 Only 2 decimals allowed
`shipments[].packages[].weight` required	float	Weight of your package in kg Example value: 0.5 Only 2 decimals allowe
`shipments[].service_id` required	integer	Specifies the shipping service. Can be obtained by using GetServices function or through our carrier reference Example value: 199223
`shipments[].collection_date` required if shipping service is a collection service	string	Specifies the collection date (Format: YYYY/MM/DD). Can be obtained by using GetServices function. Example value: 2014/06/15
`shipments[].collection_time` required if shipping service is a collection service	string	Specifies the collection time (Format: HH:MM-HH:MM). Can be obtained by using GetServices function or through our carrier reference. Example value: "13:00-17:00"
`shipments[].dropoff_point_id` required for some services	string	Specifies **destination's** drop-off point. Can be obtained through Get Services function. Example value: 199328

shipments[].delivery_to_parcel_point_id required for some services	string	Specifies **origin's** drop-off point. Can be obtained through Get Services function. Example value: 199328
shipments[].content required	string	Description of shipment's content. Max 255 chars
shipments[].contentvalue required	float	Value of shipment's content. Only 2 decimals allowed
shipments[].insurance optional	object	Information about additional shipment insurance.
shipments[].insurance.amount required	float	Total insurance amount. Percentage given in GetServices function will be applied on base price if higher than included insurance amount. Only 2 decimals allowed
shipments[].customs required for some services	object	Required for shipments with destination outside the european union.
shipments[].customs.sender_type required	string	Type of sender. Example value: private, commercial_with_vat, commercial_without_vat
shipments[].customs.eori_number required if sender_type is commercial_with_vat or commercial_without_vat	string	EORI Id.
shipments[].customs.vat_number required if sender_type is commercial_with_vat	string	VAT Id.
shipments[].customs.shipment_type required	string	Type of shipment. Example value: commercial_sale, gift, document, return
shipments[].customs.sender_personalid required if shipment_type is commercial sale	string	Sender personal Id.

`shipments[].customs.items[]` required	array	Information about sent items.
`shipments[].customs.items[].description_english` required	string	Description of item in english. Example value: book
`shipments[].customs.items[].quantity` required	integer	Quantity of item. Example value: 1
`shipments[].customs.items[].weight` required	float	Weight of item in kg. Example value: 2.5 Only 2 decimals allowed
`shipments[].customs.items[].value` required	float	Value of item in EUR. Example value: 20 Only 2 decimals allowed
`shipments[].customs.items[].country_of_origin` required	string	Origin of item. Example value: DE Max 2 chars

Example request:

```json
{
 "order_custom_reference": "",
}
} ]
"shipments": [
{
"shipment_custom_reference": "eBay_11993382332",
"from": {
    "name": "Daniel",
    "surname": "Werner",
    "company": "Werner corp.",
    "street1": "Alleestr. 29",
    "zip_code": "56457",
    "city": "Westerburg",
    "state": "",
    "country": "DE",
    "phone": "01516113123",
    "email": ""
}, "to": {
```

```
    "name": "Helena",
    "surname": "Zimmermann",
    "street1": "Schlowiesenstrae 7",
    "zip_code": "56457",
    "city": "Westerburg",
    "country": "DE",
    "phone": "+491601139291",
    "email": ""
},
"packages": [
    {
        "width": 50,
        "height": 40,
        "length": 40,
        "weight": 2
} ],
"service_id": 1999328,
"content": "Leggins, Schuhe",
"contentvalue": 50
```

Response:

RESPONSE PARAMETER	VALUE	DESCRIPTION
order_reference	string	Packlink Order Reference.
shipments[]	array	List of all shipments for this order.
shipments[].shipment_custom_reference	string	Personal, unique identifier for your shipment. Can be used to save e.g. transaction number.
shipments[].shipment_reference	string	Packlink Shipment Reference.
shipments[].insurance_coverage_amount	integer	Insurance coverage amount.
shipments[].total_price	float	Total price of the shipment.
shipments[].receipt	string	Url of the shipment receipt.
total_amount	float	Total price of the order

Example response:

```
{
  "order_reference": "DE00019732CF",
  "shipments":[ {
      "shipment_custom_reference": "eBay_11993382332",
      "shipment_reference": "DE000193392AB",
      "insurance_coverage_amount": 750,
      "total_price": 4.90,
      "receipt":"http://url/to/receipt"
```

```
} ],
  "total_amount": 4.90
}
```

Create Draft

Status Codes:

Code	Meaning
200	Ok
400	Bad Request
401	UnAuthorized
500	Internal Error

POST /v1/shipments

Creates a new draft. Each draft can include only one shipment.

Request:

REQUEST PARAMETER	VALUE	DESCRIPTION
user_id optional	string	Unique user identifier.
client_id optional	string	Unique client identifier.
platform optional	string	Unique platform identifier.
platform_country optional	string	Unique platform_country identifier.
source optional	string	Shipment's source referral
from optional	object	Sender's address.

`from.name` optional	string	Sender's name Example value: Daniel Max 100 chars
`from.surname` optional	string	Sender's surname Example value: Werner Max 100 chars
`from.company` optional	string	Sender's company name Example value: Packlink
`from.street1` optional	string	First line of the sender's address Example value: Cl. Amaltea 9 Max 255 chars
`from.street2` optional	string	Second line of the sender's address Example value: Planta 3A Max 255 chars
`from.zip_code` optional	string	The zip code (or postal code) Example value: 28045 Max 255 chars
`from.city` optional	string	The city Example value: Madrid Max 255 chars
`from.country` optional	string	The country (2 digit ISO Code) Example Value: ES Max 2 chars

`from.phone` optional	string	The sender's phone number. Validated with +?[0{2}\(?\d{6,}\)? Example Value: +34696133234 Max 15 chars
`from.email` optional	string	The sender's email address Example value: danielwerner@packlink.com Max 255 chars
`has_custom` optional	boolean	Determine if shipment has custom.
`to` optional	object	Destination address. Same parameters as object from: `shipments[].from`
`service` optional	string	Name of service.
`carrier` optional	string	Name of carrier.
`packages[]` optional	array	Specification of packages you are sending
`packages[].width` optional	float	Width of your package in cm Example value: 23 Only 2 decimals allowed
`packages[].height` optional	float	Height of your package in cm Example value: 15 Only 2 decimals allowed

`packages[].length` optional	float	Length of your package in cm Example value: 10 Only 2 decimals allowed
`packages[].weight` optional	float	Weight of your package in kg Example value: 0.5 Only 2 decimals allowed
`additional_data` optional	object	Object to include additional data of the shipment

`additional_data.post`
`al_zone_id_from`
optional
	string	Value of the postal zone id corresponding to the origin postal code
		
		NOTE: in order to have Packlink PRO automatically identifying postal codes at origin, include this field with empty value i.e. ""

`additional_data.post`
`al_zone_id_to`
optional
	string	Value of the postal zone id corresponding to the destination postal code
		
		NOTE: in order to have Packlink PRO automatically identifying postal codes at destination, include this field with empty value i.e. ""

`additional_data.ship`
`ping_service_name`
optional
	string	Field containing text that will be displayed in Packlink PRO purchase flow, in the header of the service selection screen
		
		Example: "Express Delivery" , "Drop-off delivery", etc

`service_id` optional	integer	Specifies the shipping service. Can be obtained by using GetServices function or through our carrier reference Example value: 199223
`collection_date` optional	string	Specifies the collection date (Format: YYYY/MM/DD) Can be obtained by using GetServices function. Example value: 2014/06/15
`collection_time` optional	string	Specifies the collection time (Format: HH:MM-HH:MM) Can be obtained by using GetServices function or through our carrier reference Example value: "13:00-17:00"
`dropoff_point_id` optional	string	Specifies **destination's** drop-off point. Can be obtained through GetServices function. Example value: 199328
`delivery_to_parcel_point_id` optional	string	Specifies **origin's** drop-off point. Can be obtained through Get Services function. Example value: 199328

content optional	string	Description of shipment's content. Max 255 chars
contentvalue optional	float	Value of shipment's content. Only 2 decimals allowed
Content_second_hand optional	boole an	This field indicates whether the shipment content is second hand (= true) or new (= false).
shipment_custom_refer ence optional	string	Personal, unique identifier for your shipment. Can be used to save e.g. transaction number. Max 50 chars
insurance optional	object	Information about additional shipment insurance.
insurance.amount optional	float	Total insurance amount. Percentage given in GetServices function will be applied on base price. (if higher than included insurance amount). Only 2 decimals allowed
customs optional	object	Required for shipments with destination outside the european union.
customs.sender_type optional	string	Type of sender. Example value: private, commercial_with_vat, commercial_without_vat
customs.eori_number optional	string	EORI Id.
customs.vat_number optional	string	VAT Id.

`customs.shipment_type` optional	string	Type of shipment. Example value: commercial_sale, gift, document, return...

`customs.sender_person`
`alid`
optional
	string	Sender's personal Id.

`customs.items[]` optional	array	Information about sent items.

`customs.items[].descr`
`iption_english`
optional
	string	Description of item in
		english.
		
		Example value: book

`customs.items[].quant`
`ity`
optional
	intege
	r
		Quantity of item.
		
		Example value: 1

`customs.items[].weigh`
`t`
optional
	float	Weight of item in kg.
		
		Example value: 2.5
		Only 2 decimals allowed

`customs.items[].value` optional	float	Value of item in EUR. Example value: 20 Only 2 decimals allowed

`customs.items[].count`
`ry_of_origin`
optional
	string	Origin of item.
		
		Example value: DE
		
		Max 2 chars

`priority` optional	boole an	Determines if sender has selected priority customer.
`contentValue_currency` optional	string	Indicates the currency of payment
`price` optional	object	Information about price of shipments

price.base_price optional	float	Value of item in EUR without taxes. Example value: 20 Only 2 decimals allowed
price.tax_price optional	float	Value of taxes by item in EUR. Example value: 20 Only 2 decimals allowed
price.total_price optional	float	Total value of item in EUR. Example value: 20 Only 2 decimals allowed
price.items[] optional	array	Information about price of items.
price.items[].base_price optional	float	Value of item in EUR without taxes. Example value: 20 Only 2 decimals allowed
price.items[].tax_price optional	float	Value of taxes by item in EUR. Example value: 20 Only 2 decimals allowed
price.items[].total_price optional	float	Total value of item. Example value: 2.5 Only 2 decimals allowed
price.items[].concept optional	string	Information about concepts of item. Example value: CARRIERSERVICE Max 255 chars

		Contains additional information about each concept

`price.items[].extra_d ata[]`
 optional
	array	Example value:
		 "extraData": {
		 "basePrice":
		 "4.370000000000000106
		 58141036401502788066
		 8640136", "margin":
		 "0.28785546791728844"
		 }

Example request:

```
{
    "from" : {
      "phone" : "0666559988",
      "city" : "Cannes",
      "zip_code" : "06400",
      "country" : "FR",
      "surname" : "TestLastName",
      "email" : "test@packlink.com",
      "street1" : "Suffren 3",
      "state" : "FR",
      "name" : "TestName"
    },
    "content" : "Test content",
    "contentvalue" : 160,
    "shipment_custom_reference" : "69a280b2-f7db-11e6-915e-5c54c4398ed2",
    "service_id" : 20149,
    "dropoff_point_id" : "062049",
    "packages" : [
      {
        "length" : 10,
        "weight" : 1,
        "width" : 15,
        "height" : 15
      }
    ],
    "to" : {
      "phone" : "630465777",
      "city" : "Paris",
      "zip_code" : "75001",
      "country" : "FR",
      "surname" : "TestLastName",
      "email" : "test@packlink.com",
      "street1" : "Avenue Marchal 1",
      "state" : "FR",
      "name" : "TestName"
```

```
        },
        "additional_data" : {
                "postal_zone_id_from": "",
                "postal_zone_id_to": "",
                "shipping_service_name": "Test shipping service preference"
        },
        "source": "source_inbound"
}
```

Response:

RESPONSE PARAMETER	VALUE	DESCRIPTION
shipment_reference	string	Packlink Shipment Reference.

Example response:

```
 {
   "shipment_reference": "DE00019732CF",
 }
```

Get Label

Status Codes:

Code	Meaning
200	Ok
400	Bad Request
401	UnAuthorized
500	Internal Error

GET /v1/shipments/{id}/labels

Returns the shipping label in PDF format (A4).

Request:

REQUEST PARAMETER	VALUE	DESCRIPTION
id required	string	Packlink Shipment Reference Reference Example value: ES00019388AB

Example request:

```
GET /v1/shipments/ES00019388AB/labels
```

Response:

RESPONSE PARAMETER	VALUE	DESCRIPTION
[ ]	array	List of urls with the shipment labels.

Example response:

```
[
"http://packlink.de/de/purchase/PostVenta/getLabelsByRef?ref=52cfc1a8419a6982
476224aec065618795673fe
]
```

Get Customs

Status Codes:

Code	Meaning
200	Ok
400	Bad Request
401	UnAuthorized
500	Internal Error

GET /v1/shipments/{shipment reference}/customs

Returns the shipping customs pdf UrL.

Request:

REQUEST PARAMETER	VALUE	DESCRIPTION
reference required	string	Packlink Shipment Reference Example value: DE2015API0000003515

Example request:

```
GET /v1/shipments/DE2015API0000003515/customs
```

Response:

RESPONSE PARAMETER	VALUE	DESCRIPTION
url	string	The URL to the customs document.

Example response:

```
{
 "url": "http://static.packitos.com/prodev-
pro/customs/c24a19d1bf25df88abcd9145b562c58e932456b5.pdf
}
```

Get Shipments

Status Codes:

Code	Meaning
200	Ok
400	Bad Request
401	UnAuthorized
500	Internal Error

GET /v1/shipments

Returns the shipping list.

Request:

REQUEST PARAMETER	VALUE	DESCRIPTION
limit optional	string	Number of shipments shown Example value: ?limit=10
offset optional	string	Number of the first shipment shown Example value: &offset=5

Example response:

```
GET /v1/shipments?limit=10&offset=5
```

Response:

RESPONSE PARAMETER	VALUE	DESCRIPTION
pagination	object	The pagination object.
pagination.current_page	integer	Current page.
pagination.total_pages	integer	Total number of pages.
pagination.total_registers	integer	Total number of registries.
shipments	array	List of shipments.
shipments.canceled	boolean	True if the shipment has been canceled.
shipments.carrier	string	Carrier code.
shipments.collection	object	Collection object

`shipments.collection.city`	string	City where the shipment collection takes place.
`shipments.collection.country`	string	Country where the shipment collection takes place.
`shipments.collection.email`	string	Email of the sender.
`shipments.collection.phone`	string	Phone of the sender.
`shipments.collection.postalcode`	string	Postal code where the shipment collection takes place.
`shipments.collection.street`	string	Street where the shipment collection takes place.
`shipments.collectionDate`	string	Date when the shipment collection takes place.
`shipments.content`	string	Content of the shipment.
`shipments.delivery`	object	Delivery object. It has the same parameters as the collection object.
`shipments.delivery.city`	string	City where the shipment delivery takes place.
`shipments.delivery.country`	string	Country where the shipment delivery takes place.
`shipments.delivery.email`	string	Email of the receiver.
`shipments.delivery.phone`	string	Phone of the receiver.
`shipments.delivery.postalcode`	string	Postal code where the shipment delivery takes place.
`shipments.delivery.street`	string	Street where the shipment delivery takes place.
`shipments.parcel_number`	integer	Number of parcels in the shipment.
`shipments.parcels`	array	List of parcels in the shipment.
`shipments.parcels.height`	float	Height of the parcel.
`shipments.parcels.length`	float	Length of the parcel.
`shipments.parcels.weight`	float	Weight of the parcel.
`shipments.parcels.width`	float	Width of the parcel.
`shipments.price`	float	Price of the shipment.
`shipments.reference`	string	Packlink Reference for the shipment.

`shipments.service`	string	Name of the service.
`shipments.shipment_custom_reference`	ineteger	Shipment custom reference.
`shipments.status`	string	Status of the shipment.
`shipments.weight`	float	Total weight of the shipment.

Example response:

```
{
    "pagination": {
        "current_page": 1,
        "total_pages": 1,
        "total_registers": 9
    },
    "shipments": [
{
"canceled": false, "carrier": "LCE", "collection": {
            "city": "Deutschland",
            "country": "Berlin",
            "email": "test@testing.com",
            "name": "John Doe",
            "phone": "01516113123",
            "postalcode": "75001",
            "street": "Alleestr 29 "
        },
        "collectionDate": "2015-03-18",
        "content": "shoes",
        "delivery": {
            "city": "Deutschland",
            "country": "Berlin",
            "email": "test@testing.com",
            "name": "Jane Doe",
            "phone": "1601139291",
            "postalcode": "75001",
            "street": "Schlowiesenstrae 7 "
        },
        "parcel_number": "1",
        "parcels": [
            {
                "height": "15.00",
                "length": "15.00",
                "weight": "2.00",
                "width": "15.00"
} ],
        "price": "7.68",
        "reference": "DE2015API0000501722",
        "service": "Chronopost 13",
        "shipment_custom_reference": "11993382332589",
        "status": "READY_TO_PRINT",
        "weight": "2.00"
} ]
```

```
}
```

Get Shipment Details

Status Codes:

Code	Meaning
200	Ok
400	Bad Request
401	UnAuthorized
500	Internal Error

GET /v1/shipments

Returns the shipping details.

Request:

REQUEST PARAMETER	VALUE	DESCRIPTION
reference required	string	Packlink Shipment Reference Example value: DE2015API0000003515

Example request:

```
GET /v1/shipments/DE2015API0000003515
```

Response:

RESPONSE PARAMETER	VALUE	DESCRIPTION
reference	string	Packlink Shipment Reference.

`total_taxes`	float	Total taxes for the shipment.
`canceled`	boolean	Flag indicating wether the shipment is canceled or not.
`weight`	float	Weight of the shipment.
`service`	string	Name of the service.
`collection_date`	string	Date of collection.
`insurance_coverage`	string	Insurance coverage for the shipment.
`content`	string	Content of the shipment.
`carrier`	string	Name of the carrier.
`content_value`	float	Value of the content.
`shipment_custom_reference`	string	Personal, unique identifier for your shipment. Can be used to save e.g. transaction number.
`status`	string	Status of the shipment.
`insurance_price`	float	Price of the insurance.
`price`	float	Price of the shipment.
`collection`	object	Collection object
`collection.city`	string	City where the shipment collection takes place.
`collection.country`	string	Country where the shipment collection takes place.
`collection.email`	string	Email of the sender.
`collection.phone`	string	Phone of the sender.
`collection.postalcode`	string	Postal code where the shipment collection takes place
`collection.street`	string	Street where the shipment collection takes place.
`delivery`	object	Delivery object. It has the same parameters as the collection object
`delivery.city`	string	City where the shipment delivery takes place.
`delivery.country`	string	Country where the shipment delivery takes place.
`delivery.email`	string	Email of the receiver.
`delivery.phone`	string	Phone of the receiver.
`delivery.postalcode`	string	Postal code where the shipment delivery takes place

delivery.street	string	Street where the shipment delivery takes place.
receipt_url	string	URL of the shipment's receipt.
collection_hour	string	Hour of the collection.
tracking_codes	array	List of tracking codes.
orderDate	string	Date of the order.
extras	array	List of the shipment's extras.
parcel_number	integer	Number of parcels in the shipment.
parcels	array	List of parcels in the shipment
parcels.height	float	Height of the parcel.
parcels.length	float	Length of the parcel.
parcels.weight	float	Weight of the parcel.
parcels.width	float	Width of the parcel.
base_price	float	Base price of the shipment (before taxes).

Example response:

```
{
"reference": "DE2015API0000504413", "total_taxes": "3.01",
"canceled": false,
"weight": "1.00",
"service": "Point Relais",
"collection_date": "2015-04-16", "insurance_coverage": "50.00",
"content": "Leggins, Schuhe",
"carrier": "Mondial Relay",
"content_value": "50.00", "shipment_custom_reference": "eBay_11993382332",
"status": "CARRIER_PENDING",
"insurance_price": "1.49",
"price": "18.86",
"collection": {
        "city": "Paris",
        "name": "Daniel Werner",
        "country": "Francia",
        "phone": "01516113123",
        "street": "Alleestr . 29",
        "postalcode": "75001",
        "email": "test@testing.com"
    },
    "delivery": {
        "city": "Paris",
        "name": "Helena Zimmermann",
        "country": "Francia",
```

```
        "phone": "491601139291",
        "street": "Schlowiesenstrae 7",
        "postalcode": "75001",
        "email": "test@testing.com"
    },
    "collection_hour": "00:00-24:00",
    "tracking_codes": [
        "31016279"
    ],
    "orderDate": "2015-04-16",
    "extras": [
        "insurance"
    ],
    "parcel_number": "1",
    "parcels": [
        {
            "width": "10.00",
            "length": "10.00",
            "weight": "1.00",
            "height": "10.00"
} ],
    "base_price": "15.85"
}
```

Track Shipment

Status Codes:

Code	Meaning
200	Ok
400	Bad Request
401	UnAuthorized
500	Internal Error

GET /v1/shipments/{id}/track

Returns the tracking history of your shipment.

Request:

REQUEST PARAMETER	VALUE	DESCRIPTION
ID required	string	Packlink Shipment Reference Example value: ES00019388AB

Example request:

```
GET /v1/shipments/ES00019388AB/track
```

Response:

RESPONSE PARAMETER	VALUE	DESCRIPTION
history	array	List of the shipment's tracking objects.
history[].timestamp	integer	Timestamp of the tracking object.
history[].description	string	Description of the tracking object.
history[].city	string	City of the tracking object.

Example response:

```
{
  "history": [
    {
      "timestamp": 14242322,
      "description": "DELIVERED",
      "city": "MIAMI",
    },{
      "timestamp": 14124132,
      "description": "DESTINATION SCAN",
      "city": "MIAMI",
    },{
      "timestamp": 12424312,
      "description": "ARRIVAL SCAN",
      "city": "MIAMI",
} ]
```

Shipment Callback

Status Codes:

Code	Meaning
200	Ok
400	Bad Request
401	UnAuthorized
500	Internal Error

POST /v1/shipments/callback

Store a url to notifiy shipment events. This call should be done only once per Packlink client since the configured url will be used to send status updates for all shipments of the client.

Request:

REQUEST PARAMETER	VALUE	DESCRIPTION
url required	string	Your url to notify shipment events Example value: http://www.urlexample.com

Example request:

```
POST /v1/shipments/callback
{"url": "http://www.urlexample.com"}
```

Events

Shipment registered successfully in carrier's system.

This event is generated when the shipment is created by our system inside the carrier's. Shipment state is set to Carrier OK.

Carrier shipment creation push notification:

```json
{
    "event": "shipment.carrier.success",
    "datetime": "2015-01-01 15:55:23",
    "data": {
        "shipment_custom_reference": "eBay_11993382332589",
        "shipment_reference": "DE567YH981230AA"
    }
}
```

Shipment failed to register in carrier's system.

This event is generated when the shipment can not be created by our system inside the carrier's. Shipment state is set to Carrier KO (final).

Carrier shipment creation failed push notification:

```json
{
    "event": "shipment.carrier.fail",
    "datetime": "2015-01-01 15:55:23",
    "data": {
        "shipment_custom_reference": "eBay_11993382332589",
        "shipment_reference": "DE567YH981230AA"
    }
}
```

Labels ready to print

This event is generated when labels are generated using the carrier web service. Shipment state is set to Labels Ready to print.

Carrier shipment labels ready push notification:

```json
{
    "event": "shipment.label.ready",
    "datetime": "2015-01-01 15:55:23",
```

```
    "data": {
        "shipment_custom_reference": "eBay_11993382332589",
        "shipment_reference": "DE567YH981230AA"
    }
}
```

Labels have failed

This event is generated when labels can not be generated using the carrier web service. Shipment state is set to Labels KO (final).

Carrier shipment labels failed push notification:

```
{
    "event": "shipment.label.fail",
    "datetime": "2015-01-01 15:55:23",
    "data": {
        "shipment_custom_reference": "eBay_11993382332589",
        "shipment_reference": "DE567YH981230AA"
    }
}
```

Shipment is in transit

Our system will try to get an update from the carrier for the shipments using the carrier web services. When an update for a given shipment is received the status change to In Transit.

Carrier shipment in transit push notification:

```
creation
{
    "event": "shipment.tracking.update",
    "datetime": "2015-01-01 15:55:23",
    "data": {
        "shipment_custom_reference": "eBay_11993382332589",
        "shipment_reference": "DE567YH981230AA"
    }
}
```

Shipment has been delivered

When the Carrier notifies a Shipment as being delivered to the receiver. Shipment status will change do Delivered (final).

Please note that the datetime field does not represents the date of delivery but the date of notification from Packlink.

Carrier shipment delivered push notification:

```
{
    "event": "shipment.carrier.delivered",
    "datetime": "2015-01-01 15:55:23",
    "data": {
        "shipment_custom_reference": "eBay_11993382332589",
        "shipment_reference": "DE567YH981230AA"
    }
}
```