Documentation
REST-API
Tracking
Parcel.One

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Author:
Jörk Sternsdorff
(js@parcel.one)

1.0 Purpose

The purpose of this application environment interface is to return the Parcel.One Tracking Events for shipments shipped by Parcel.One.

As a communication platform we use REST (Representational State Transfer) Appication Programming Interface. Information Exchange is done via JSON (JavaScript Object Notation).

HTTP-Methods that can be used are GET or POST.

Authentification is provided by Basic Authentification secured over SSL. Basic Authentification includes a username and an API-Key as password.
Please, contact us if you would like to receive an API-Key and Sandbox Login Username for your client development.

The screenshots provided in this documentation all have been done with POSTMAN, so testing of the API will be very easy.

2.0 Access to Sandbox- and Production APIs

In order to be able to test your code without interfering the production environment, we provide a SandBox-Mode as well as a Production-Mode.

Please, use the Sandbox mode to test your client application thoroughly before switching to Production mode. In Sandbox mode all data will be saved to a separate database on our server.

2.1 Access to sandbox:

You can reach the Sandbox- or Test-Mode under ...

https://sandbox.parcelone.io/tracking/shipment/<<p1-trackingno>>

(In Screenshots you will see the former API-Address, instead of „sandbox.awiwe.solutions“, please, use „sandbox.parcelone.io“.)

2.2 Access to production:

You can reach the Production-Mode under ...

https://production.parcelone.io/tracking/shipment/<<p1-trackingno>>

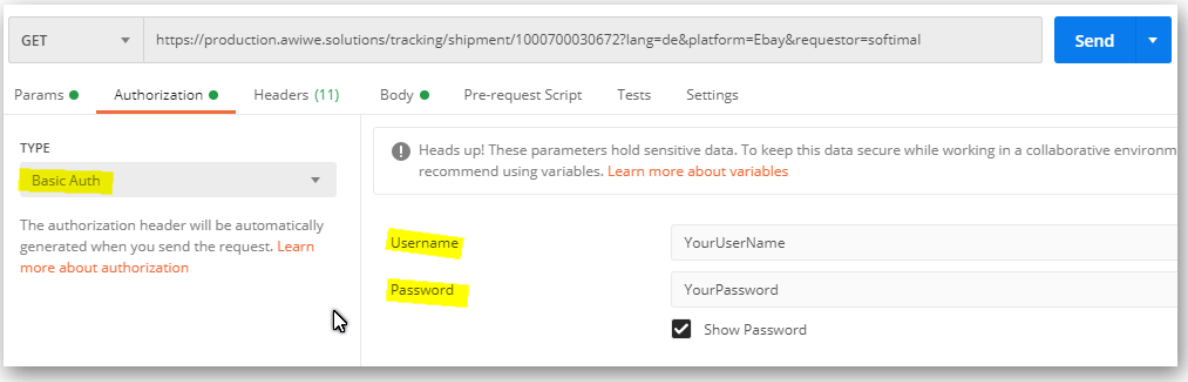
(In Screenshots you will see the former API-Address, instead of „production.awiwe.solutions“, please, use „production.parcelone.io“.)

Authentification is provided via an API-Key in Request Header to authenificate the provider of the software accessing the API. If you are a platform provider for Parcel.One clients, please, keep in mind, that the ApiKey is only as an identification for you and should not be provided to or even be edited in the UI by the users of your platform.
(For backward compatibility, you may also provide the API-Key as Password in Basic Authentification. In this case, specify your Parcel.One customer number or, if not available, your company name as Username.)

For some future capabilities of this API, further Authentification may be provided by Basic Authentification secured over SSL identyfying the end customer. In this case, please, specify the received Login Data as Username/Password. This, of course, requires the API-Key being provided as API-Key-Header.

You may also make use of a JWT Access Token to speed up authentification on subsequent requests: Just specify a Header named 'Getaccesstoken' with any value, e.g. value of 'true' along with any of your requests. This will return the JWT access token being valid for the next 12 hours. Your subsequent requests may now be authentificated with this bearer JWT token instead of using Basic Authentification and the Api-Key.

Please, contact us if you would like to receive an API-Key and possibly Sandbox Login data for your development.



3.0 Parameters

Parameters may be provided per GET-Http-Method or by POST-Http-Method or as a mixture of both (P1-Trackno per GET, lang, requestor and platform per POST).

Following an explanation of the parameters to provide:

1. trackno
(required string of 13 digits)
Please, provide the Parcel.One Tracking Number to identify the shipment for which tracking events are being requested.

2. lang (values: EN,DE,ES,...)
(optional string of 2 characters, may be lower- or uppercase)

Default language of status text will be English, so if this parameter is omitted you will receive the status descriptions in English language (EN).
So far available are also German (DE) and partially Spanish (ES). If a status text in the specified language cannot be found the text will default to English language.

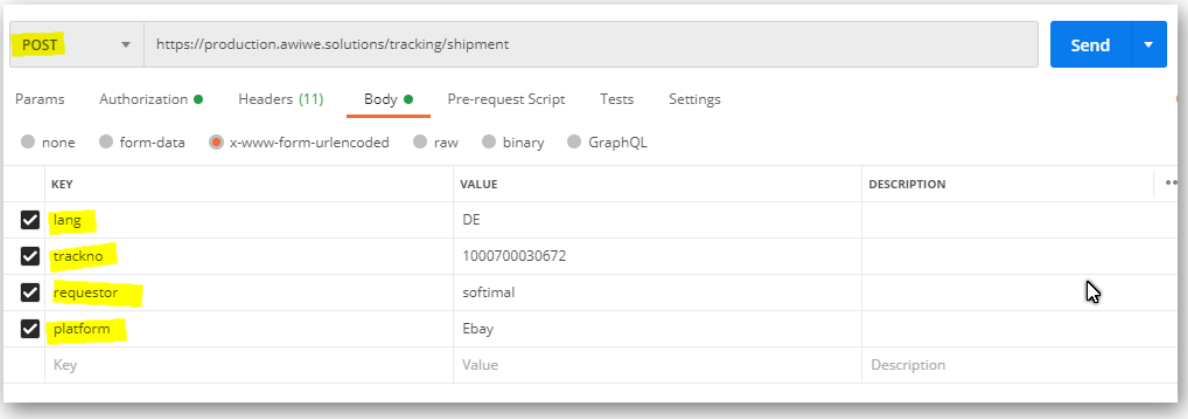
3. requestor
(optional string of maximal 30 characters)

Please, provide us with the information who requested the tracking from you if possible. This will enable us to maintain some statistics on tracking demands.

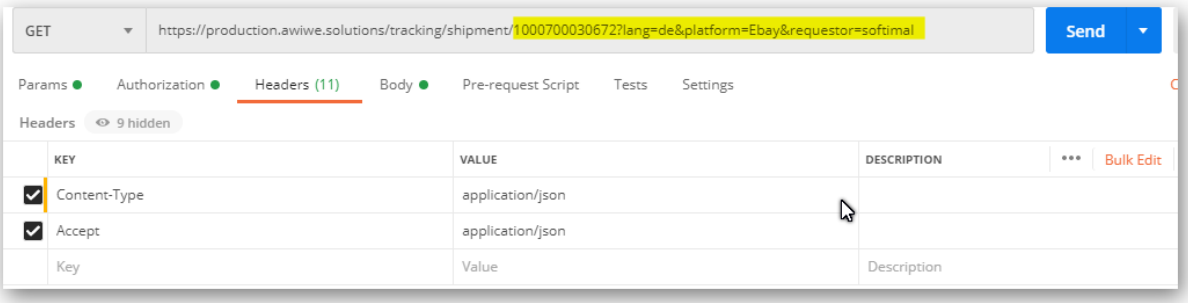
4. platform

Please, provide us with the information from which platform the tracking has been requested if valid. This will enable us to maintain some statistics on tracking demands from platforms.
Platforms maybe e.g.: Ebay, Amazon, ...

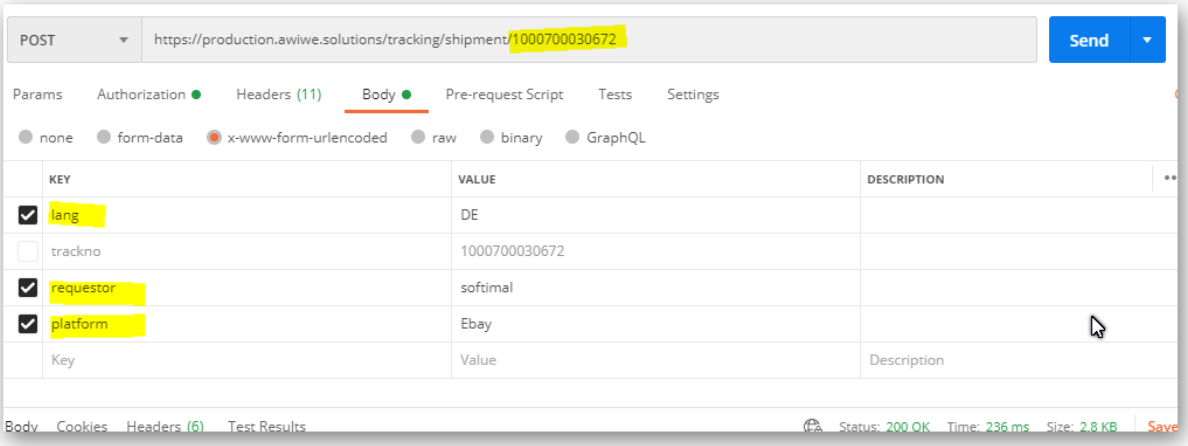
Example POST-Request:



Example GET-Request:

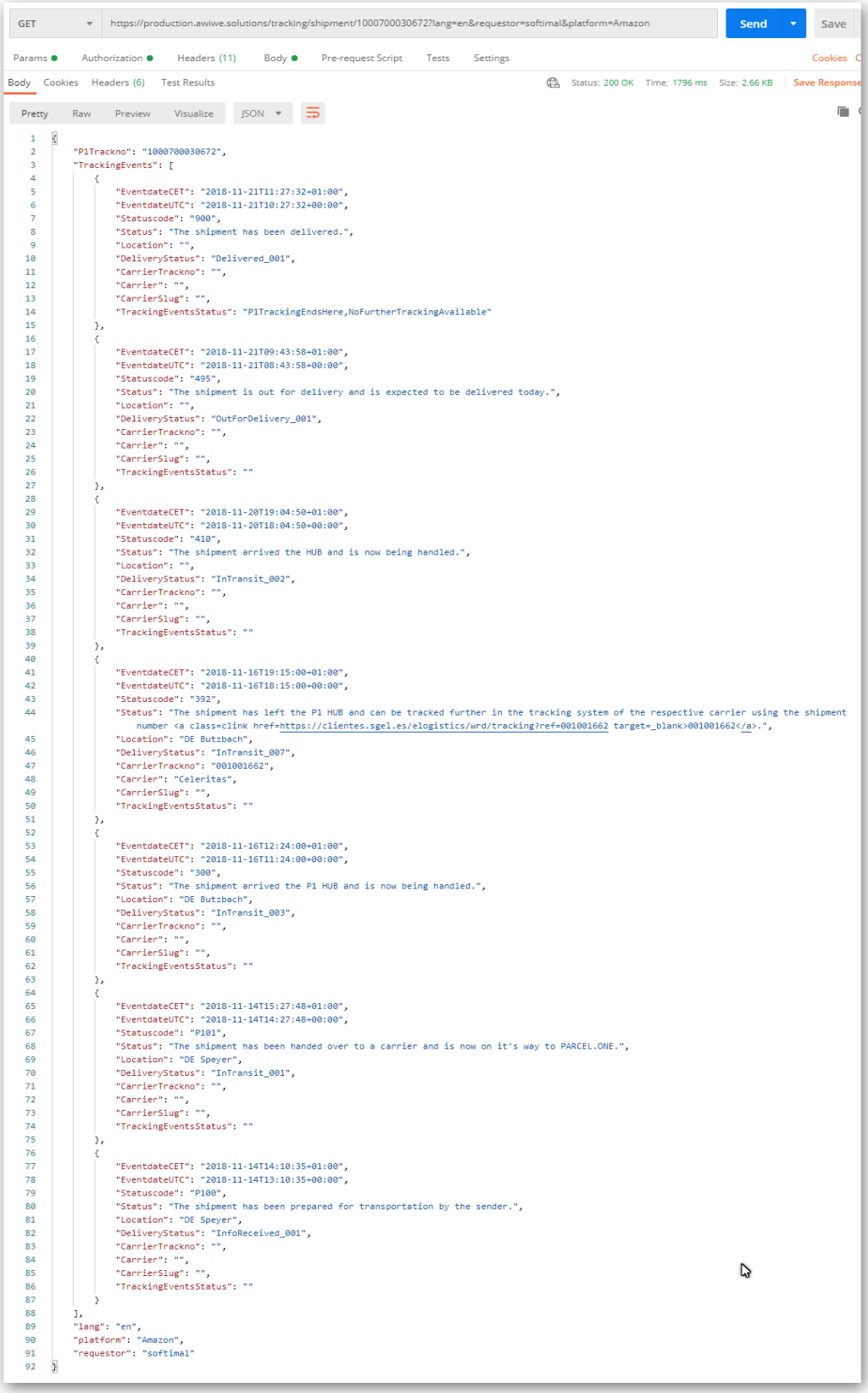


Example mixed POST- and GET-Request:



4.0 Overview API-Response

A JSON-Response like the following will be returned:



GET https://production.awiwe.solutions/tracking/shipment/10007000306727lang=en&requestor=softimal&platform=Amazon

Send Save

Params Authorization Headers (11) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (6) Test Results Status: 200 OK Time: 1796 ms Size: 2.66 KB Save Response

Pretty Raw Preview Visualize JSON


```
{
    "P1Trackno": "10007000306727",
    "TrackingEvents": [
        {
            "EventdateCET": "2018-11-21T11:27:32+01:00",
            "EventdateUTC": "2018-11-21T10:27:32+00:00",
            "Statuscode": "900",
            "Status": "The shipment has been delivered.",
            "Location": "",
            "DeliveryStatus": "Delivered_001",
            "CarrierTrackno": "",
            "Carrier": "",
            "CarrierSlug": "",
            "TrackingEventsStatus": "P1TrackingEndsHere,NoFurtherTrackingAvailable"
        },
        {
            "EventdateCET": "2018-11-21T09:43:58+01:00",
            "EventdateUTC": "2018-11-21T08:43:58+00:00",
            "Statuscode": "495",
            "Status": "The shipment is out for delivery and is expected to be delivered today.",
            "Location": "",
            "DeliveryStatus": "OutForDelivery_001",
            "CarrierTrackno": "",
            "Carrier": "",
            "CarrierSlug": "",
            "TrackingEventsStatus": ""
        },
        {
            "EventdateCET": "2018-11-20T19:04:50+01:00",
            "EventdateUTC": "2018-11-20T18:04:50+00:00",
            "Statuscode": "410",
            "Status": "The shipment arrived the HUB and is now being handled.",
            "Location": "",
            "DeliveryStatus": "InTransit_002",
            "CarrierTrackno": "",
            "Carrier": "",
            "CarrierSlug": "",
            "TrackingEventsStatus": ""
        },
        {
            "EventdateCET": "2018-11-16T19:15:00+01:00",
            "EventdateUTC": "2018-11-16T18:15:00+00:00",
            "Statuscode": "392",
            "Status": "The shipment has left the P1 HUB and can be tracked further in the tracking system of the respective carrier using the shipment
                number <a class=clink href=https://clientes.sgel.es/elogistics/wrd/tracking?ref=001001662 target=_blank>001001662</a>.",
            "Location": "DE Butzbach",
            "DeliveryStatus": "InTransit_007",
            "CarrierTrackno": "001001662",
            "Carrier": "Celeritas",
            "CarrierSlug": "",
            "TrackingEventsStatus": ""
        },
        {
            "EventdateCET": "2018-11-16T12:24:00+01:00",
            "EventdateUTC": "2018-11-16T11:24:00+00:00",
            "Statuscode": "300",
            "Status": "The shipment arrived the P1 HUB and is now being handled.",
            "Location": "DE Butzbach",
            "DeliveryStatus": "InTransit_003",
            "CarrierTrackno": "",
            "Carrier": "",
            "CarrierSlug": "",
            "TrackingEventsStatus": ""
        },
        {
            "EventdateCET": "2018-11-14T15:27:48+01:00",
            "EventdateUTC": "2018-11-14T14:27:48+00:00",
            "Statuscode": "P101",
            "Status": "The shipment has been handed over to a carrier and is now on it's way to PARCEL.ONE.",
            "Location": "DE Speyer",
            "DeliveryStatus": "InTransit_001",
            "CarrierTrackno": "",
            "Carrier": "",
            "CarrierSlug": "",
            "TrackingEventsStatus": ""
        },
        {
            "EventdateCET": "2018-11-14T14:10:35+01:00",
            "EventdateUTC": "2018-11-14T13:10:35+00:00",
            "Statuscode": "P100",
            "Status": "The shipment has been prepared for transportation by the sender.",
            "Location": "DE Speyer",
            "DeliveryStatus": "InfoReceived_001",
            "CarrierTrackno": "",
            "Carrier": "",
            "CarrierSlug": "",
            "TrackingEventsStatus": ""
        }
    ],
    "lang": "en",
    "platform": "Amazon",
    "requestor": "softimal"
}
```

Returned Parameters are:

1. P1Trackno

repeats the given request parameter „trackno“

2. TrackingEvents

This, of course, is the interesting part:
An array of tracking events is returned containing the following tracking event fields:

a) **EventdateCET**

DateTime of the tracking event as Central European Time including time zone designator
e.g. `"2020-09-04T18:15:02+02:00"`

b) **EventdateUTC**

DateTime of the tracking event as Universal Time Coordinated or Greenwich mean time (GMT) including time zone designator
e.g. `"2020-09-04T16:15:02+00:00"`

c) **Statuscode**

Parcel.One Tracking Status Code. Every Tracking Status Text has a separate Status Code.

d) **Status**

Parcel.One Tracking Status Text. If possible, provided in the requested language, otherwise defaults to english.

e) **Location**

Tracking Event Location if available.

f) **DeliveryStatus**

Categorizing/Grouping of Parcel.One Tracking Events according to the Delivery Sub-Statuses provi

ded by AfterShip, to be found on

https://help.aftership.com/hc/en-us/articles/360007823253-Learn-about-delivery-sub-statuses

g) **CarrierTrackno**

Tracking ID/Number respectively of the last known Interims-Carrier or Last-Mile-Carrier. With this

Carrier Trackno further Tracking on Carrier website or API should be possible.

Of course, this information will only be availableafter Parcel.One shipped the item.

h) **Carrier**

Last known Interims-Carrier or Last-Mile-Carrier name.

Of course, this information will only be availableafter after Parcel.One shipped the item.

i) **CarrierSlug**

Corresponding ‚AfterShip Carrier Slug‘ according to AfterShip Courier information, downloadable Courier List to be found on https://www.aftership.com/couriers/.
Of course, this information will only be availableafter after Parcel.One shipped the item.
(We will try to keep this information up-to-date, but this may not always be 100 percent up-to-date, so may be empty if not found in courier list or with newly added carriers by AfterShip.)

j) **TrackingEventsStatus**

This field will be empty if futher tracking events will be available in the future and further requesting of tracking events by invoking the API is required.
In case that other situations arised that ended the shipment process, one of the following messages will be returned here:

TrackingEventsStatus	Action Required
(empty)	You should request the API regularly in the future until one of the next statuses are provided.
P1TrackingEndsHere,ShipmentCancelled,NoFurtherTrackingAvailable	No further tracking events will be provided by this API, because shipment has been cancelled by the shipper. No action required from your side.
P1TrackingEndsHere,NoFurtherTrackingAvailable	No further tracking events will be provided by this API, because shipment was shipped with products or options excluding futher tracking. (e.g. letter products or chosen Parcel.One product has no tracking option). No action required from your side.
P1TrackingEndsHere,Timeout, NoFurtherTrackingAvailable	No further tracking events will be provided by this API, because shipment did not have any progress for a considerable time. This may happen for instance, if shipping data were transferred by the shipper, but no parcels arrived physically. Or there were some problems excluding shipping by Parcel.One. To not track them forever, we will provide a timeout here. No action required from your side.

Other TrackingEventsStatuses may be created in the future.

3. lang

repeats the given request parameter „lang“

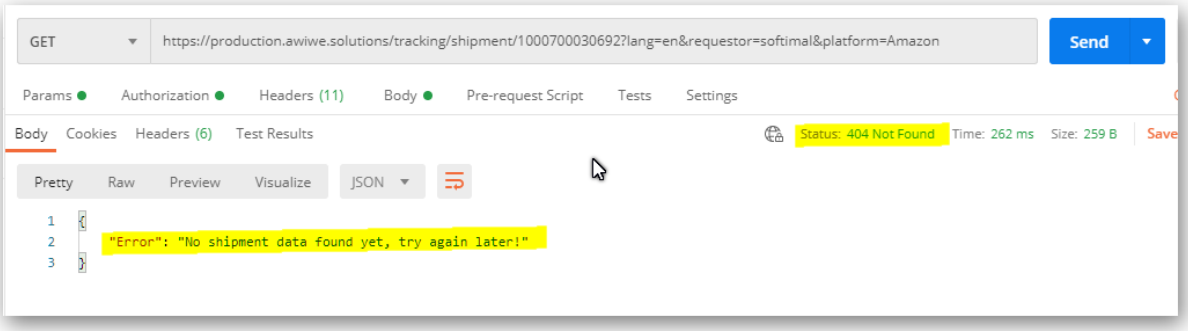
4. platform

repeats the given request parameter „platform“

5. requestor

repeats the given request parameter „requestor“

In case Shipment Tracking information cannot be found due to a wrong P1-Trackingnumber provided or if the shipment data did not exist so far in our system, a http-Status „404 - Not found“ is returned together with a corresponding Error:



If the request is successfull, a http-Status „200 - OK“ will be returned together with the JSON data explained above.