CouriersPlease Tracking API Documentation

CouriersPlease®

CouriersPlease

API Version: 1.0.0

1. VERSION CONTROL

Version	Date	Notes	Author
1.0.0	10/06/2016	Initial version.	Jeff Embro (CouriersPlease)
1.0.1	25/10/2016	Fixed urls.	Jeff Embro (CouriersPlease)

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3. OVERVIEW

This document defines how tracking information is retrieved for a consignment, label or coupon using CouriersPlease APIs.

4. CONSUMES

JSON

5. OUTPUT FORMATS

JSON
XML

6. HTTP METHOD

GET

7. URLS

7.1. SANDBOX

While developing and testing use the sandbox URL:

https://api-test.couriersplease.com.au/v1/domestic/locateParcel?trackingCode=

7.2. PRODUCTION

After deploying to live use the production URL:

https://api.couriersplease.com.au/v1/domestic/locateParcel?trackingCode=

8. SECURITY

API security is controlled by CouriersPlease. CouriersPlease controls the following:

1. Access to the Sandbox environment
2. Access to the Production environment
3. Access to each individual API
4. Enable/disable a token
5. Hourly and daily limits

If you require security changes please contact CouriersPlease API support: apisupport@couriersplease.com.au.

8.1. AUTHENTICATION

API Validation is performed through HTTP Basic Authentication using the CouriersPlease Account Number and Authorization Token.

User Name: CouriersPlease Account Number

Password: Sandbox or Production Token provided from the CouriersPlease API Developer Portal

When using HTTP Basic Authentication the User Name and Password must be Base64 encoded in the header.

If your CouriersPlease Account Number is W99999 and your token is ABC123456789 your Authentication Header would be “Authorization: Basic W99999:ABC123456789” before encoding it. Once encoded, it should look as follows: “Authorization: Basic Vzk5OTk5OkFCQzEyMzQ1Njc4OQ==”

8.2. SSL ENCRYPTION

The API Endpoints and Portal are encrypted using SSL as follows:

SSL Attribute	SSL Detail
Signature Hash Algorithm	sha256
Public Key	RSA (2048 Bits)

9. REQUEST

Name	Type
trackingCode (Required)	String Must be a valid CouriersPlease consignment, label or coupon Limit: one consignment, label or coupon per request

9.1. SAMPLE REQUEST THAT RETURNS JSON

Below is a sample request that returns JSON. The HTTP Request Header must contain application e.g.) “Accept: application/json”. Ensure the user name and password is Base64 encoded in the authorization header as specified in the Authentication section of this document.

9.1.1. REQUEST

```
GET
https://api-test.couriersplease.com.au/v1/domestic/locateParcel?trackingCode=CPWREC999999999
HTTP/1.1
```

9.1.2. REQUEST HEADER

```
Host: api-test.couriersplease.com.au
Accept: application/json
Authorization: Basic Vzk5OTk5OkFCQzEyMzQ1Njc4OQ==
```

9.2. SAMPLE REQUEST THAT RETURNS XML

Below is a sample request that returns XML. The HTTP Request Header must contain application e.g.) “Accept: application/xml”. Ensure the user name and password is Base64 encoded in the authorization header as specified in the Authentication section of this document.

9.2.1. REQUEST URL

```
GET
https://api.couriersplease.com.au/v1/domestic/locateParcel?trackingCode=CPWREC999999999
HTTP/1.1
```

9.2.2. REQUEST HEADER

```
Host: api.couriersplease.com.au
Accept: application/xml
Authorization: Basic Vzk5OTk5OkFCQzEyMzQ1Njc4OQ==
```

10. RESPONSE

Each request will return both an HTTP Status Code and a Response Code, which can be used to understand if the request was successfully processed. Either JSON or XML is returned based on the request Accept header.

10.1. HTTP STATUS CODES

Code	Details	Action
200	The request was successfully processed.	
400	There was an issue with the input request or data.	Based on the responseCode, an exception should be raised in the integrating application.
401	There was an issue with authorization.	Based on the responseCode, an exception should be raised in the integrating application.
500	The request could not be processed because of an internal API issue.	Retry the request. If the problem persists please contact CouriersPlease API support apisupport@couriersplease.com.au

10.2. RESPONSE CODES

Code	Details	Action
SUCCESS	The request was successfully processed.	
INVALID_INPUT	The request could not be completed because the input provided was invalid.	The msg element of the response will include the error message.
UNAUTHORIZED	The request could not be completed due to insufficient access.	The msg element of the response will include the error message.
SERVICE_UNAVAILABLE	The service is unavailable.	Raise an exception.

10.3. OUTPUT

The output in this API will return tracking information for a consignment, label or a coupon.

A successful API response where HTTPS Status Code = 200 and Response Code = SUCCESS will return an object structured as follows.

Name	Description
consignmentInfo	See table 10.3.1 below

10.3.1. CONSIGNMENTINFO OUTPUT

Name	Description
POD	Proof of delivery
consignmentCode	Consignment code
deadWeight	Dead weight
deliveredAt	Time and date delivered
deliveryETA	Estimated time of arrival
status	Delivery status
volume	Volume
itemsCoupons	See table 10.3.1.1 below

10.3.1.1. ITEMSCOUPONS OUTPUT

Multiple “itemscoupons” objects can be returned.

Name	Description
imageURL	Signature image URL
Item	Item number
trackingInfo	See table 10.3.1.1.1 below

10.3.1.1.1. TRACKINGINFO OUTPUT

Multiple “trackinginfo” objects can be returned.

Name	Description
action	action
contractor	contractor
date	date
time	time

10.4. SAMPLE JSON RESPONSE (SUCCESS – 200)


```
{
 "responseCode": "SUCCESS",
 "msg": "",
 "data": {
  "consignmentInfo": [
   {
    "POD": "BEN",
    "consignmentCode": "CPWREC999999999",
    "deadWeight": "Declared 20 kg",
    "deliveredAt": "13 Jan 2016 10:46:35 by driver 54",
    "deliveryETA": "12 Jan 2016",
    "itemsCoupons": [
     {
      "imageURL":
"http://edi.couriersplease.com.au/api/track/signature.php?id=38207672&branch=5&coupon=CPWREC999999
99901",
      "item": "CPWREC99999999901",
      "trackingInfo": [
       {
        "action": "Your parcel is in transit from Melbourne to Sydney.",
        "contractor": "",
        "date": "12 Jan 2016",
        "time": "11:10 am"
       },
       {
        "action": "Your parcel(s) have arrived in Sydney depot. ",
        "contractor": "",
        "date": "13 Jan 2016",
        "time": "5:54 am"
       },
       {
        "action": "Your parcel has been accepted in Depot.",
        "contractor": "",
        "date": "13 Jan 2016",
        "time": "9:01 am"
       },
       {
        "action": "Your parcel is on-board for delivery",
        "contractor": "",
        "date": "13 Jan 2016",
        "time": "9:01 am"
       },
       {
        "action": "1 item has been delivered. Signed for by:BEN",
        "contractor": "0054(sydney)",
        "date": "13 Jan 2016",
        "time": "10:46 am"
```

```
          }
         ]
        }
       ],
       "status": "delivered2 of 2",
       "volume": "Declared 0.085 m3 / 22 kg"
     }
   ]
 }
}
```


10.5. SAMPLE XML RESPONSE (SUCCESS – 200)


```
<ResponseTemplateOfTrakingNewData xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <responseCode>SUCCESS</responseCode>
  <msg />
  <data>
    <ExtensionData />
    <consignmentInfo>
      <TrakingNewConsignmentInfo>
        <ExtensionData />
        <POD>BEN</POD>
        <consignmentCode>CPWREC999999999</consignmentCode>
        <deadWeight>Declared 20 kg</deadWeight>
        <deliveredAt>13 Jan 2016 10:46:35 by driver 54</deliveredAt>
        <deliveryETA>12 Jan 2016</deliveryETA>
        <itemsCoupons>
          <TrakingNewItemsCoupon>
            <ExtensionData />
<imageURL>http://edi.couriersplease.com.au/api/track/signature.php?id=38207672&amp;branch=5&amp;co
upon=CPWREC99999999901</imageURL>
            <item>CPWREC99999999901</item>
            <trackingInfo>
              <TrakingNewTrakingInfo>
                <ExtensionData />
                <action>Your parcel is in transit from Melbourne to Sydney.</action>
                <contractor />
                <date>12 Jan 2016</date>
                <time>11:10 am</time>
              </TrakingNewTrakingInfo>
              <TrakingNewTrakingInfo>
                <ExtensionData />
                <action>Your parcel(s) have arrived in Sydney depot. </action>
                <contractor />
                <date>13 Jan 2016</date>
                <time>5:54 am</time>
              </TrakingNewTrakingInfo>
              <TrakingNewTrakingInfo>
```

```
            <ExtensionData />
            <action>Your parcel has been accepted in Depot.</action>
            <contractor />
            <date>13 Jan 2016</date>
            <time>9:01 am</time>
          </TrakingNewTrakingInfo>
          <TrakingNewTrakingInfo>
            <ExtensionData />
            <action>Your parcel is on-board for delivery</action>
            <contractor />
            <date>13 Jan 2016</date>
            <time>9:01 am</time>
          </TrakingNewTrakingInfo>
          <TrakingNewTrakingInfo>
            <ExtensionData />
            <action>1 item has been delivered. Signed for by:BEN</action>
            <contractor>0054(sydney)</contractor>
            <date>13 Jan 2016</date>
            <time>10:46 am</time>
          </TrakingNewTrakingInfo>
        </trackingInfo>
      </TrakingNewItemsCoupon>
    </itemsCoupons>
    <status>delivered2 of 2</status>
    <volume>Declared 0.085 m3 / 22 kg</volume>
  </TrakingNewConsignmentInfo>
 </consignmentInfo>
 </data>
</ResponseTemplateOfTrakingNewData>
```


10.6. SAMPLE JSON RESPONSE (INVALID INPUT - 400)


```
{
 "responseCode": "INVALID_INPUT",
 "msg": "Tracking code missing",
 "data": ""
}
```


10.7. SAMPLE XML RESPONSE (INVALID INPUT - 400)


```
<ResponseTemplateOfString xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <responseCode>INVALID_INPUT</responseCode>
  <msg>Tracking code missing</msg>
  <data />
</ResponseTemplateOfString>
```

10.8. SAMPLE JSON RESPONSE (UNAUTHORIZED - 401)


```
{
  "responseCode": "UNAUTHORIZED",
  "msg": "Not a valid token.",
  "data": ""
}
```


10.9. SAMPLE XML RESPONSE (UNAUTHORIZED - 401)


```
<ResponseTemplateOfString xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <responseCode>UNAUTHORIZED</responseCode>
    <msg>Not a valid token.</msg>
    <data />
</ResponseTemplateOfString>
```


GLOSSARY

Term	Definition
API (Application Programming Interface)	A set of computer functions for software. There is no graphical user interface like a widget.
Widget	A graphical user interface for software
Plugin	A software component that adds a feature to an existing computer program. Also called an add-in or add-on.
Domestic	Freight shipped within Australia
International	Freight shipped to and/or from outside of Australia
Sandbox	API environment for testing and integration
Production	Live API environment