CouriersPlease Domestic Pickup Version 2 API Documentation

CouriersPlease®

CouriersPlease

API Version: 2.0.0

1. VERSION CONTROL

Version	Date	Notes	Author
1.0.0	18/04/2017	Initial version.	Jeff Embro (CouriersPlease)
1.0.1	15/08/2017	Change minimum Total Weight from 1kg to 0.1kg	Kalpesh Pandya

2. TABLE OF CONTENTS

3. OVERVIEW

This document defines the API in which customers can despatch a driver to pick up Domestic consignments for delivery. This API is used after one or more consignments have been created using the Domestic Shipment Create API.

NOTE: Don't use this API for an International Shipment pickup bookings. This feature is already part of the International Shipment Create API.

4. CONSUMES

JSON

5. OUTPUT FORMATS

JSON
XML

6. HTTP METHOD

POST

7. URLS

7.1. SANDBOX

While developing and testing use the sandbox URL:

https://api-test.couriersplease.com.au/v2/domestic/bookPickup

7.2. PRODUCTION

After deploying to live use the production URL:

https://api.couriersplease.com.au/v2/domestic/bookPickup

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

9.1. REQUEST PARAMETERS

If the driver is picking up only one consignment it is recommended that the consignment destination details are used in the destination fields of this API.

Name	Type
readyDateTime (Required)	Date/Time Pickup date and time yyyy-MM-dd hh:mm tt e.g.) 2016-05-05 01:30 PM or 2016-05-25 07:30 AM NOTE: If a past date is entered the date value will be automatically changed to the current date and time. It is recommended that date validation is coded into your system to only allow a future date and time.
accountName (Optional)	String Max Length: 18 This field is used to display the 3rd party provider in our despatch system. NOTE: Account Name will be appended to the end of address line 3 if there is room.
contactName (Required)	String Max Length: 15 Person to contact at pickup location.
contactEmail (Required)	String

	Valid email address of contact at pickup location.
specialInstructions (Optional)	String Max Length: 15 Pick up instructions. e.g.) “Use back door”
consignmentCount (Required)	Integer Range: 1 to 9999
consignmentCode **(Required if consignmentCount = 1)**	String Max Length: 25 Use the consignmentCode for the consignment that is being picked up. If you used the Domestic Shipment Create API to create the consignment use the consignmentCode returned from the API response. **NOTE: Pass in null when consignmentCount > 1.**
totalItemCount (Required)	Integer Range: 1 to 9999
totalWeight (Required)	Integer Range: 0.1 to 99999
pickup (Required)	Object A pickup object is required. See table 9.1.1 below.
delivery **(Required if consignmentCount = 1)**	Object Delivery object is required if consignmentCount = 1. See table 9.1.2 below. **NOTE: Pass in null when consignmentCount > 1.**

9.1.1. PICKUP

These are the address details of the pickup location.

Name	Type
phoneNumber (Required)	String Company Name Max Length: 19
companyName (Optional)	String Company Name Max Length: 19 **Enter a value in this field if the pickup location is a business.**
address1 (Required)	String Address Line 1 Max Length: 19
address2 (Optional)	String

	Address line 2 Max Length: 19
address3 (Optional)	String Address line 3 Max Length: 19
suburb (Required)	String Valid Australian Suburb Use the Locations API to obtain a valid suburb
postcode (Required)	String Valid Australian Postcode e.g.) 2000, 0800 Use the Locations API to obtain a valid postcode

9.1.2. DELIVERY

These are the address details of the delivery location (only required if all freight is going to a single delivery address).

Name	Type
companyName (Optional)	String Company Name Max Length: 19 **Enter a value in this field if the delivery location is a business.**
address1 (Required)	String Address Line 1 Max Length: 19
address2 (Optional)	String Address line 2 Max Length: 19
suburb (Required)	String Valid Australian Suburb Use the Locations API to obtain a valid suburb
postcode (Required)	String Valid Australian Postcode e.g.) 2000, 0800 Use the Locations API to obtain a valid postcode

9.2. SAMPLE REQUEST THAT RETURNS JSON

Below is a sample request that returns JSON when there is only **one consignment** booked for a pick up. 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.

9.2.1. REQUEST

```
POST https://api-test.couriersplease.com.au/v2/domestic/bookPickup HTTP/1.1
```

9.2.2. REQUEST HEADER

```
Host: api-test.couriersplease.com.au
Accept: application/json
Content-Type: application/json
Authorization: Basic Vzk5OTk5OkFCQzEyMzQ1Njc4OQ==
Content-Length: 686
```

9.2.3. REQUEST BODY

```
{
 "accountName":"Account Name",
 "contactName":"John Doe",
 "contactEmail":"john.doe@tester.com.au",
 "readyDateTime":"2017-02-18 06:00 AM",
 "specialInstructions":"Use back door",
 "consignmentCount":"1",
 "consignmentCode":"CPPLW9999999",
 "totalItemCount":"2",
 "totalWeight":"3",
 "pickup": {
  "phoneNumber":"0244443333",
  "companyName":"Pickup Company",
  "address1":"Building B",
  "address2":"32 Somewhere St",
  "address3":"Level 2",
  "postcode":"2142",
  "suburb":"ROSEHILL"
 },
 "delivery" : {
  "companyName":"Delivery Co.",
  "address1":"88 Delivery Avenue",
  "address2":"Unit B",
  "postcode":"3000",
  "suburb":"MELBOURNE"
 }
}
```

9.3. SAMPLE REQUEST THAT RETURNS XML

Below is a sample request that returns XML for a **multiple consignment** pick up request. 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.

9.3.1. REQUEST URL

```
POST https://api.couriersplease.com.au/v2/domestic/bookPickup HTTP/1.1
```

9.3.2. REQUEST HEADER

```
Host: api.couriersplease.com.au
Accept: application/xml
Content-Type: application/json
Authorization: Basic Vzk5OTk5OkFCQzEyMzQ1Njc4OQ==
Content-Length: 512
```

9.3.3. REQUEST BODY


```
{
 "accountName":"Account Name",
 "contactName":"John Doe",
 "contactEmail":"john.doe@tester.com.au",
 "readyDateTime":"2017-02-18 06:00 AM",
 "specialInstructions":"Use back door",
 "consignmentCount":"5",
 "consignmentCode":null,
 "totalItemCount":"14",
 "totalWeight":"43",
 "pickup": {
  "phoneNumber":"0244443333",
  "companyName":"Pickup Company",
  "address1":"Building B",
  "address2":"32 Somewhere St",
  "address3":"Level 2",
  "postcode":"2142",
  "suburb":"ROSEHILL"
 }
}
```


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.

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 a job number that can be used if there are any enquiries about the pickup. If no job number is returned the pickup has not been successfully processed.

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

Name	Description
jobNumber	Job Number **This number should be saved in your system and provided to your customers in case there are any customer service enquiries relating to the pick up or the consignments within the pickup.**

10.4. SAMPLE JSON RESPONSE (SUCCESS – 200)


```
{
 "responseCode": "SUCCESS",
 "msg": "",
 "data": {
  "jobNumber": "32749"
 }
}
```


10.5. SAMPLE XML RESPONSE (SUCCESS – 200)


```
<ResponseTemplateOfBookPickupResponse xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <responseCode>SUCCESS</responseCode>
  <msg />
  <data>
    <jobNumber>32749</jobNumber>
  </data>
</ResponseTemplateOfBookPickupResponse>
```


10.6. SAMPLE JSON RESPONSE (INVALID INPUT - 400)


```
{
 "responseCode": "INVALID_INPUT",
 "msg": "Invalid Model State",
 "data": {
  "errors": [
   {
    "type": "RequiredParam",
    "field": "address1",
    "description": "Please enter address 1."
   },
   {
    "type": "RequiredParam",
```

```
      "field": "email",
      "description": "Please enter an email address."
    }
   ]
  }
}
```


10.7. SAMPLE XML RESPONSE (INVALID INPUT - 400)


```
<ResponseTemplateOfResponseErrorTemplate xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
   <responseCode>INVALID_INPUT</responseCode>
   <msg>Invalid Model State</msg>
   <data>
      <errors>
         <ParameterValidationError>
            <type>RequiredParam</type>
            <field>address1</field>
            <description>Please enter address 1.</description>
         </ParameterValidationError>
         <ParameterValidationError>
            <type>RequiredParam</type>
            <field>email</field>
            <description>Please enter an email address.</description>
         </ParameterValidationError>
      </errors>
   </data>
</ResponseTemplateOfResponseErrorTemplate>
```


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.
E-Merchant	Electronic retailer
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
Consignment Code	“Connote” Number, Shipment Number or Consignment Number