CouriersPlease Redirection Details API Documentation

CouriersPlease

API Version: 1.0.0

1. VERSION CONTROL

Version	Date	Notes	Author
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2. TABLE OF CONTENTS

3. OVERVIEW

This document defines the API in which E-Merchants can retrieve a list of links that can be used to redirect a consignment. The redirect options are:

1. Authority to Leave
2. Collect from a POPPoint (POPStation or POPShops)
3. Deliver to Alternate address
4. Deliver to Neighbour
5. Reschedule Delivery

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/redirect?consignment=

7.2. PRODUCTION

After deploying to live use the production URL:

https://api.couriersplease.com.au/v1/domestic/redirect?consignment=

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
consignment (Required)	String Consignment Number e.g.) CPWDSL999999999

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 URL

```
GET

https://api.couriersplease.com.au/v1/domestic/redirect?consignment=[ConsignmentNumber]

HTTP/1.1
```

9.1.2. REQUEST HEADER

```
Host: api.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-test.couriersplease.com.au/v1/domestic/redirect?consignment=[ConsignmentNumber]

HTTP/1.1
```

9.2.2. REQUEST HEADER

```
Host: api-test.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.

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 because the CouriersPlease Account Number and/or the Token is invalid.	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 returned from this API will return redirection options for a parcel.

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

Name	Description
OptionNumber	Option Number
Name	Option Name E.g.) Authority to Leave, Collect from a POPPoint, Deliver to Alternate address, Reschedule Delivery
Description	Option Description Examples: 1. Electronically sign for your parcel in advance 2. Collect from one of our POPStation lockers or POPShops near you 3. Provide a different delivery address for your parcel 4. Select a future delivery date for your parcel
URL	Link to the CouriersPlease website for redirection processing. e.g.) https://www.couriersplease.com.au/cyd?cn=AaAAZzZZ&op=1

10.4. SAMPLE JSON RESPONSE (SUCCESS – 200)

```
{
 "responseCode": "SUCCESS",
 "msg": "",
 "data": [
  {
   "OptionNumber": "1",
   "Name": "Authority to Leave",
   "Description": "Electronically sign for your parcel in advance",
   "URL": "https://www.couriersplease.com.au/cyd?cn=AaAAZzZZ&op=1"
  },
{
   "OptionNumber": "2",
   "Name": "Collect from a POPPoint",
   "Description": "Collect from one of our POPStation lockers or POPShops near you",
   "URL": "https://www.couriersplease.com.au/cyd?cn=AaAAZzZZ&op=2"
  },
{
   "OptionNumber": "3",
   "Name": "Deliver to Alternate address",
   "Description": "Provide a different delivery address for your parcel",
   "URL": "https://www.couriersplease.com.au/cyd?cn=AaAAZzZZ&op=3"
  },
{
    "OptionNumber": "4",
    "Name": "Delivery To Neighbour",
    "Description": "Have a neighbour accept your delivery",
    "URL": "https://www.couriersplease.com.au/cyd?cn=AaAAZzZZ&op=4"
   },
{
    "OptionNumber": "5",
    "Name": "Reschedule Delivery",
    "Description": "Select a future delivery date for your parcel",
    "URL": "https://www.couriersplease.com.au/cyd?cn=AaAAZzZZ&op=5"
   }
 ]
}
```

10.5. SAMPLE XML RESPONSE (SUCCESS – 200)

```
<ResponseTemplateOfArrayOfRedirectionDetails xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <responseCode>SUCCESS</responseCode>
  <msg />
  <data>
    <RedirectionDetails>
        <OptionNumber>1</OptionNumber >
        <Name>Authority to Leave</Name>
        <Description>Electronically sign for your parcel in advance</Description>
        <URL>https://www.couriersplease.com.au/cyd?cn=AaAAZzZZ&op=1</URL>
    < RedirectionDetails>
    <RedirectionDetails>
        <OptionNumber>2</OptionNumber >
        <Name>Collect from a POPPoint</Name>
        <Description>Collect from one of our POPStation lockers or POPShops near you</Description>
        <URL>https://www.couriersplease.com.au/cyd?cn=AaAAZzZZ&op=2</URL>
    < RedirectionDetails>
    <RedirectionDetails>
        <OptionNumber>3</OptionNumber >
        <Name>Deliver to Alternate address</Name>
        <Description>Provide a different delivery address for your parcel</Description>
        <URL>https://www.couriersplease.com.au/cyd?cn=AaAAZzZZ&op=3</URL>
    < RedirectionDetails>
    <RedirectionDetails>
        <OptionNumber>4</OptionNumber >
        <Name>Delivery To Neighbour</Name>
        <Description>Have a neighbour accept your delivery</Description>
        <URL>https://www.couriersplease.com.au/cyd?cn=AaAAZzZZ&op=4</URL>
    < RedirectionDetails>
<RedirectionDetails>
        <OptionNumber>5</OptionNumber >
        <Name>Reschedule Delivery</Name>
        <Description>Select a future delivery date for your parcel</Description>
        <URL>https://www.couriersplease.com.au/cyd?cn=AaAAZzZZ&op=4</URL>
    < RedirectionDetails>

  </data>
</ResponseTemplateOfArrayOfRedirectionDetails>
```

10.6. SAMPLE JSON RESPONSE (INVALID INPUT - 400)

```
{
  "responseCode": "INVALID_INPUT",
  "msg": "Redirection is not possible",
  "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>Redirection is not possible</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.
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