

CITYSLIM WEB API

v 2.0.1

CitySlim

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VERSION HISTORY

Version	Date	Changes
2.0.0	01/10/2020	Initial CS release
2.0.1	13/10/2020	Request/add method allows for passing cargo price information

OVERVIEW

This document provides an overview of the CitySlim restful json API which allows the delivery platform stakeholders to create, update or cancel delivery requests, generate shipping labels and get delivery status feedback in various ways.

- Create a delivery request
- Update a single delivery
- Cancel a delivery request or single delivery
- Get a shipping label
- Get cargo status
- Get cargo transactions
- Cargo status update Webhook

ENDPOINTS

The development API is accessible through following endpoint :

<https://api-dev.cityslim.be>

Production API :

<https://api.cityslim.be>

VERSIONING

Every API method must be preceded by its correct version number. The API version described in this specification is v2.0

example

<https://api.cityslim.be/v2.0/request/add>

API ACCESS

Generally, HTTP requests to the CitySlim restful json API are initiated by the web client, on which the API generates a response.

Requests are accepted in JSON format only and require a user to be authenticated to the API by providing a valid JSON Web Token (JWT) as header in every HTTP request . The Content-Type header field must be set to “application/json”.


```

75, Gent"
  ],
  "Status": "Error",
  "ErrorMessage": "Check Validation Errors"
}

```

REQUEST vs CARGO

In context of deliveries CitySlim uses concepts “request” and “cargo”.

cargo	A single delivery containing “cargo” properties and information on pickup/drop location and timing
request	A logical group of cargo for a customer, which is inserted in one operation, but can have diverse characteristics

METHOD OVERVIEW

Endpoint	HTTP Method	Description
request/add	POST	Adds a delivery request
request/cancel	POST	Cancel all cargo in a request
cargo/update	POST	Updates a single delivery (cargo)
cargo/cancel	POST	Cancel cargo
cargo/label	POST	Generates cargo shipping label(s)
cargo/status	GET	Gets actual cargo delivery status

REQUEST/ADD

purpose

Creates a one or more cargo deliveries combined in a single request.

json request

```
{
  "CustomerId": 1102,
  "Reference": "REF405333022",
  "Cargo": [
    {
      "Reference": "WBOX-001445",
      "Description": "Wine box",
      "Qty": 4,
      "InternalNote": "",
      "Weight": 25.4,
      "Length": null,
      "Width": null,
      "Height": null,
      "Pickup": {
        "Address": {
          "Name": "WineCo",
          "Street": "Veldstraat",
          "Number": "75",
          "Postal": "9000",
          "City": "Gent",
          "Email": "info@wineco.be",
          "Phone": "+3248123456",
          "LanguageID": "NL",
        },
        "Timing": {
          "Constraint": "TIME_WINDOW",
          "Timestamp1": "2020-06-17T15:00:00.000",
          "Timestamp2": "2020-06-17T16:00:00.000"
        },
        "Instructions": ""
      },
      "Drop": {
        "Address": {
          "Name": "Sean Windels",
          "Street": "Kerkstraat",
          "Number": "108",
          "Postal": "9050",
          "City": "Gentbrugge",
          "Email": "sean@mail.be",
          "Phone": "+32479123456",
        }
      }
    }
  ]
}
```

```

    "LanguageID": null,
  },
  "Timing": {
    "Constraint": "TIME_WINDOW",
    "Timestamp1": "2020-06-17T18:00:00.000",
    "Timestamp2": "2020-06-17T19:30:00.000"
  },
  "Instructions": "Plz. drop at Depot 10"
}
}
]
}

```

Field		Data Type	Mandatory	Description
customerid		integer	yes	cargo velo customer id
reference		string	no	customer reference (for request)
cargo	reference	string	yes	customer cargo reference
	description	string	yes	cargo description
	qty	integer	yes	number of items
	internalnote	string	no	some note to cargo
	weight	decimal	no	total weight of cargo in kg
	l/w/h	decimal	no	in centimeter
	timing	string	yes	"TIME_WINDOW"
	timestamp1	datetime	yes	time window from
	timestamp2	datetime	yes	time window to
	customprice	decimal	no	custom price
address	name	string	yes	name of company/individual
	street	string	yes	
	number	string	yes	
	postal	string	yes	
	city	string	yes	

	email	string	no	email address
	phone	string	no	telephone number
	country	string	no	defaults to "BE"
	languageid	string	no	NL, FR, ES, DE, EN defaults to "NL"
Instructions		string	no	instructions specific to pickup/drop

json response

```
{
  "Result": {
    "RequestID": 14011,
    "Cargo": [
      {
        "Reference": "MW20180617-001",
        "TrackingNumber": 73500510254770099
      }
    ]
  },
  "Status": "Ok",
  "ErrorMessage": null
}
```

Field		Data Type	Description
requestid		long	request id
cargo	reference	string	customer cargo reference
	trackingnumber	number	cargo tracking number, global shipment identification number (GSIN)

REQUEST/CANCEL

purpose

Cancels a request and all containing cargo.

json request


```
{
  "RequestID": 14011
}
```

json response

```
{
  "Status": "Ok",
  "ErrorMessage": null
}
```

CARGO/UPDATE

purpose

Updates less-decisive cargo properties. Fields which are provided in JSON and differ from NULL will be updated, others will keep its original value.

json request

```
{
  "TrackingNumber": "73500510254770100",
  "Reference": "MW20180617-001",
  "Description": "WineBox",
  "Qty": 6,
  "Weight": 18.4,
  "InternalNote": "some new note",
  "PickupInstructions": "",
  "DropInstructions": ""
}
```

CARGO/CANCEL

purpose

Cancels a single cargo item. Cancellation is allowed for as long as cargo has not been scheduled for pickup/delivery.

json request

```
{
  "TrackingNumber": 73500510254770099
}
```

json response

```
{
  "Status": "Ok",
  "ErrorMessage": null
}
```

CARGO/LABEL

purpose

Creates and returns Cargo Velo barcode labels for further identification of cargo in the distribution process.

request

```
[
  {
    "TrackingNumber": 73500510254770100,
    "Units": 3
  },
  {
    "TrackingNumber": 73500510254888400,
    "Units": 2
  }
]
```

Field	Data Type	Description
trackingnumber	number	cargo tracking number
units	int	the number of units/parcels the shipment comprises. A sequenced label for each unit will be generated.

json response

```
[
  {
    "TrackingNumber": 73500510254770100,
    "Labels": [
      "^XA^MCY^XZ^XA^MNY^MTD^PR3^LH0..",
      "^XA^MCY^XZ^XA^MNY^MTD^PR3^LH0..",
      "^XA^MCY^XZ^XA^MNY^MTD^PR3^LH0.."
    ]
  }
]
```

```

    },
    {
      "TrackingNumber": 73500510254888400,
      "Labels": [
        "^XA^MCY^XZ^XA^MNY^MTD^PR3^LH0..",
        "^XA^MCY^XZ^XA^MNY^MTD^PR3^LH0.."
      ]
    }
  ]
}
]

```

CARGO/STATUS

purpose

Returns the current cargo status including pickup & drop signature, if requested and available.

request

<https://api.cityslim.be/v2.0/cargo/status?trn=0000&signature=true&image=true>

Field	Data Type	Description
trn	number	cargo tracking number
signature		toggles the Signatures section in the response, default false
image	boolean	toggles the signature Image, when signature is requested, default false

json response

```

{
  "Reference": "W20180617-001",
  "TrackingNumber": 73500510254770100,
  "StatusCode": 710,
  "Signatures": [
    {
      "Action": "Pickup",
      "Name": "Philip",
      "Image": "Y3VzdG9tZXIgcmlVZmZlbnNlICkmb3IgcmlVxdwVzdCk=..",
      "Timestamp": "2018-06-17T15:32:54.000"
    }
  ],
}

```

```

{
  "Action": "Drop",
  "Name": "Anna",
  "Image": "I1RyYWNraW5nTnVtYmVyIjogNzM1MDA1MTAyNTQ3NzAz=..",
  "Timestamp": "2018-06-17T16:01:30.000"
}
]
}

```

Field		Data Type	Description
statuscode		int	100 = create ok 200 = confirmed 400 = ready for pickup 410 = pickup ok, digital signature 412 = pickup ok, no signature 450 = pickup nok, nobody home 451 = pickup nok, unknown address 452 = pickup nok, cargo unavailable 453 = pickup nok, damaged cargo 455 = pickup nok, canceled 700 = awaiting drop 710 = drop ok, digital signature 712 = drop ok, no signature 713 = drop ok, at neighbours, digital signature 718 = drop ok, completed manually by dispatch 750 = drop nok, nobody home 751 = drop nok, unknown address 752 = drop nok, cargo refused 753 = drop nok, damaged cargo 755 = drop nok, canceled
signature	action	string	"Pickup" or "Drop"
	name	string	signed by
	image	string	base64 encoded bitmap holding signature
	timestamp	datetime	pickup/drop timestamp

CARGO/TRANSACTIONS

purpose

Returns an ordered list of all statuses cargo has acquired during the delivery process.

request

<https://api.cityslim.be/v2.0/cargo/transactions?trn=1234&signature=true&image=true>

Field	Data Type	Description
trn	number	cargo tracking number
statuscode	int	100 = create ok 200 = confirmed 300 = schedule (note = delivery date "dd/mm/yyyy") 310 = reschedule (note = new delivery date) 400 = ready for pickup 410 = pickup ok, digital signature 412 = pickup ok, no signature 450 = pickup nok, nobody home 451 = pickup nok, unknown address 452 = pickup nok, cargo unavailable 453 = pickup nok, damaged cargo 455 = pickup nok, canceled 700 = awaiting drop 710 = drop ok, digital signature 712 = drop ok, no signature 713 = drop ok, at neighbours, digital signature 718 = drop ok, completed manually by dispatch 750 = drop nok, nobody home 751 = drop nok, unknown address 752 = drop nok, cargo refused 753 = drop nok, damaged cargo 755 = drop nok, canceled
note	string	additional info to statuscode

json response

```
{
  "Reference": "5f18a901f532c221554101f2;6655109701007",
  "TrackingNumber": "00020200723208253",
  "Transactions": [
    {
      "StatusCode": 100,
      "Description": "Create",
      "Note": null,
      "Timestamp": "2020-07-23T08:14:51.017+02:00",
      "Signature": null
    },
    {
      "StatusCode": 200,
      "Description": "Confirm",
      "Note": null,
      "Timestamp": "2020-07-23T08:14:51.03+02:00",
      "Signature": null
    },
    {
      "StatusCode": 400,
      "Description": "Ready for pickup",
      "Note": null,
      "Timestamp": "2020-07-23T08:14:51.047+02:00",
      "Signature": null
    },
    {
      "StatusCode": 412,
      "Description": "Pickup ok, no signature",
      "Timestamp": "2020-07-23T09:38:16.617+02:00",
      "Note": null,
      "Signature": null
    },
    {
      "StatusCode": 750,
      "Description": "Delivery nok, nobody home",
      "Note": "empty front desk",
      "Timestamp": "2020-07-23T09:53:52.55+02:00",
      "Signature": null
    },
    {
      "StatusCode": 310,
      "Description": "Reschedule",
      "Note": "24/07/2020",
      "Timestamp": "2020-07-23T09:53:52.55+02:00",
      "Signature": null
    },
    {
      "StatusCode": 410,
      "Description": "Pickup ok, digital signature",
      "Timestamp": "2020-07-24T10:52:10.803+02:00",
      "Signature": {
        "Name": null,
        "Image": "iVBORw0KGgoAAAANSUUhEUgAAASwAAAEsCA.."
      }
    }
  ]
}
```

```

    }
  },
  {
    "StatusCode": 710,
    "Description": "Delivery ok, digital signature",
    "Timestamp": "2020-07-24T11:48:29.597+02:00",
    "Signature": {
      "Name": null,
      "Image": "iVBORw0KGgoAAAANSUHEUgAAASwAAAEsCA.."
    }
  }
]
}

```

WEBHOOKS

purpose

Webhooks make it possible for your application to be notified of important system events. At this moment just one “status update” webhook is implemented. All requests to your URL are made via HTTP POST.

status update webhook

```

{
  "TrackingNumber": "00020200903212920",
  "Reference": "5f4ffa1506f38140a07feaa",
  "TriggerID": 0,
  "StatusCode": 410,
  "Description": "Pickup ok, digital signature",
  "Note": null,
  "Timestamp": "2020-08-20T10:52:10.803+02:00",
  "Signature": {
    "Name": null,
    "Image": "iVBORw0KGgoAAAANSUHEUgAAASwAAAEsCA.."
  }
}

```

Field		Data Type	Description
trackingnumber		number	cargo tracking number
reference		string	customer reference

triggerid		number	0 = "cargo status update"
statuscode		int	see above
description		string	status code description
timestamp		datetime	status update timestamp
note		string	optional note
signature	name	string	signed by
	image	string	base64 encoded signature bitmap