

Boekuwzending Webservices

Version 2.4.0



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Bennebroekerweg 267 ▪ 1435 CJ Rijsenhout
▪ T +31 (0) 252 245480 ▪ E info@boekuwzending.com

Version history

Date	Version	Description
29-11-2019	2.0.0	First public release
9-1-2020	2.0.1	Improvements
13-1-2020	2.1.0	Updated endpoints URL's
14-1-2020	2.1.1	Added service in shipment POST
29-01-2020	2.1.5	Added options in shipment POST
25-03-2020	2.2.7	Several improvements to documentation
20-04-2020	2.3.0	Updated services and added Rate request
04-05-2020	2.4.0	Added Track and Trace

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Environments

There are separate environments available for development/testing (staging) and production. The staging environment should be used to test the implementation. After successful implementation and acceptance access to the production environment will be granted.

Staging

Endpoint: <https://staging.api.boekuwzending.com/>
Documentation: <https://staging.api.boekuwzending.com/docs/>

Production

Endpoint: <https://api.boekuwzending.com/>
Documentation: <https://api.boekuwzending.com/docs/>

Credentials

To make a connection to the API credentials are required. Credentials can be requested by (info@boekuwzending.com). When granted, a clientId and clientSecret will be provided.

For both environments there are separate credentials. Credentials for the staging environment can't be used in the production environment.



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Endpoints

Shipment

Through the shipment endpoint a shipment can be created and information about existing shipments can be retrieved.

Fieldname	Type (length)	Required	Remark
invoiceReference	String (35 chars)	No	This field will be shown on the invoice
transportType	road_transport, sea_freight, air_freight	Yes	Type of transport, road_transport should be used in most cases.
incoTerms	DAP of DDP	No	Only for shipments outside the EU (import / export) Delivery At Place (DAP) / Delivery Duty Paid (DDP)
service	String (45 chars)	No, but recommended	Examples: buz-dpd-home, buz-dpd-classic, buz-dpd-e10, buz-dpd-e12, buz-dpd-e18
shipFrom		No	If not given, the default shipFrom address will be used, consult Boekuwzending if you want to know what your default shipFrom address is
shipFrom.contact		Yes, if shipFrom is given	
shipFrom.contact.name	String (45 chars)	Yes, if shipFrom is given	
shipFrom.contact.company	String (35 chars)	No	
shipFrom.contact.phoneNumber	String (25 chars)	Yes, if shipFrom is given	Telephone number must be in internal format
shipFrom.contact.emailAddress	String (50 chars)	Yes, if shipFrom is given	
shipFrom.address		Yes, if shipFrom is given	
shipFrom.address.street	String (35 chars)	No	
shipFrom.address.number	String (5 chars)	No	
shipFrom.address.numberAddition	String (10 chars)	No	
shipFrom.address.addressLine2	String (35 chars)	No	
shipFrom.address.postcode	String (12 chars)	Yes, if shipFrom is given	Must be a valid postcode within the country
shipFrom.address.city	String (25 chars)	Yes, if shipFrom is given	
shipFrom.address.country	String (2 chars)	Yes, if shipFrom is given	ISO 3166-1 alpha-2 country code
shipFrom.address.privateAddress	Boolean	Yes, if shipFrom is given	
shipFrom.address.forkliftOrLoadingDockAvailable	Boolean	No	
shipFrom.address.accessibleWithTrailer	Boolean	Yes, if shipFrom is given	
shipTo		Yes	
shipTo.contact		Yes	
shipTo.contact.name	String (45 chars)	Yes	
shipTo.contact.company	String (35 chars)	No	
shipTo.contact.phoneNumber	String (25 chars)	Yes	Telephone number must be in internal format
shipTo.contact.emailAddress	String (50 chars)	Yes	
shipTo.address		Yes	
shipTo.address.street	String (35 chars)	No	
shipTo.address.number	String (5 chars)	No	
shipTo.address.numberAddition	String (10 chars)	No	
shipTo.address.addressLine2	String (35 chars)	No	
shipTo.address.postcode	String (12 chars)	Yes	Must be a valid postcode within the country
shipTo.address.city	String (25 chars)	Yes	
shipTo.address.country	String (2 chars)	Yes	ISO 3166-1 alpha-2 country code
shipTo.address.privateAddress	Boolean	Yes	
shipTo.address.forkliftOrLoadingDockAvailable	Boolean	No	
shipTo.address.accessibleWithTrailer	Boolean	Yes	
dpdNumber	String (17 chars)	No	DPD customer number (on request)
dpdDepotCode	String (4 chars)	No	DPD Depot code (on request)
dispatch		Yes	
dispatch.instructions	String (75 chars)	No	Pickup instruction
dispatch.reference	String (75 chars)	No	Pickup reference
dispatch.date	Date	Yes	Pickup date (must be greater than or equal to today)
dispatch.timeWindow		No	
dispatch.timeWindow.begin	Time	No	
dispatch.timeWindow.end	Time	No	
delivery		No	
delivery.instructions	String (75 chars)	No	Delivery instruction
delivery.reference	String (75 chars)	No	Delivery reference
delivery.date	Date	No	Preferred delivery date
delivery.timeWindow		No	
delivery.timeWindow.begin	Time	No	
delivery.timeWindow.end	Time	No	
items		Yes	
options	Array	No	Possible values: 'saturday_delivery'
items.quantity	Integer	Yes	
items.type	string	Yes	Item type (see API for available types)
items.stackable	Boolean	No	
items.dimensions		Yes	
items.dimensions.length	Float	Yes	Length of item (cm)
items.dimensions.width	Float	Yes	Width of item (cm)
items.dimensions.height	Float	Yes	Height of item (cm)
items.weight	Float	Yes	Weight of item (KG)
items.description	String (70 chars)	Yes	
items.customerReference	String (35 chars)	No	
items.value	Float	No	Only for shipments outside the EU (import / export) or insurance
items.tariffNumber	String (35 chars)	No	HS-code, only for shipments outside the EU (import / export)
items.countryOfOrigin	String (2 chars)	No	ISO 3166-1 alpha-2 landcode, only for shipments outside the EU (import / export)

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Rate request

Through the rate request endpoint rates can be retrieved based on the given shipment information

Fieldname	Type (length)	Required	Remark
shipFrom		No	If not given, the default shipFrom address will be used, consult Boekuwzending if you want to know what your default shipFrom address is
shipFrom.contact		Yes, if shipFrom is given	
shipFrom.contact.name	String (45 chars)	Yes, if shipFrom is given	
shipFrom.contact.company	String (35 chars)	No	
shipFrom.contact.phoneNumber	String (25 chars)	Yes, if shipFrom is given	Telephone number must be in internal format
shipFrom.contact.emailAddress	String (50 chars)	Yes, if shipFrom is given	
shipFrom.address		Yes, if shipFrom is given	
shipFrom.address.street	String (35 chars)	No	
shipFrom.address.number	String (5 chars)	No	
shipFrom.address.numberAddition	String (10 chars)	No	
shipFrom.address.addressLine2	String (35 chars)	No	
shipFrom.address.postcode	String (12 chars)	Yes, if shipFrom is given	Must be a valid postcode within the country
shipFrom.address.city	String (25 chars)	Yes, if shipFrom is given	
shipFrom.address.country	String (2 chars)	Yes, if shipFrom is given	ISO 3166-1 alpha-2 country code
shipFrom.address.privateAddress	Boolean	Yes, if shipFrom is given	
shipFrom.address.forkliftOrLoadingDockAvailable	Boolean	No	
shipFrom.address.accessibleWithTrailer	Boolean	Yes, if shipFrom is given	
shipTo		Yes	
shipTo.contact		Yes	
shipTo.contact.name	String (45 chars)	Yes	
shipTo.contact.company	String (35 chars)	No	
shipTo.contact.phoneNumber	String (25 chars)	Yes	Telephone number must be in internal format
shipTo.contact.emailAddress	String (50 chars)	Yes	
shipTo.address		Yes	
shipTo.address.street	String (35 chars)	No	
shipTo.address.number	String (5 chars)	No	
shipTo.address.numberAddition	String (10 chars)	No	
shipTo.address.addressLine2	String (35 chars)	No	
shipTo.address.postcode	String (12 chars)	Yes	Must be a valid postcode within the country
shipTo.address.city	String (25 chars)	Yes	
shipTo.address.country	String (2 chars)	Yes	ISO 3166-1 alpha-2 country code
shipTo.address.privateAddress	Boolean	Yes	
shipTo.address.forkliftOrLoadingDockAvailable	Boolean	No	
shipTo.address.accessibleWithTrailer	Boolean	Yes	
items		Yes	
options	Array	No	Possible values: 'saturday delivery'
items.quantity	Integer	Yes	
items.type	string	Yes	Item type (see API for available types)
items.stackable	Boolean	No	
items.dimensions		Yes	
items.dimensions.length	Float	Yes	Length of item (cm)
items.dimensions.width	Float	Yes	Width of item (cm)
items.dimensions.height	Float	Yes	Height of item (cm)
items.weight	Float	Yes	Weight of item (KG)
items.description	String (70 chars)	Yes	
items.customerReference	String (35 chars)	No	
items.value	Float	No	Only for shipments outside the EU (import / export) or insurance
items.tariffNumber	String (35 chars)	No	HS-code, only for shipments outside the EU (import / export)
items.countryOfOrigin	String (2 chars)	No	ISO 3166-1 alpha-2 landcode, only for shipments outside the EU (import / export)

Services

Through the services endpoint all the available services can be retrieved based on the given shipment information

Fieldname	Type (length)	Required	Remark
shipFrom		No	If not given, the default shipFrom address will be used, consult Boekuwzending if you want to know what your default shipFrom address is
shipFrom.contact		Yes, if shipFrom is given	
shipFrom.contact.name	String (45 chars)	Yes, if shipFrom is given	
shipFrom.contact.company	String (35 chars)	No	
shipFrom.contact.phoneNumber	String (25 chars)	Yes, if shipFrom is given	Telephone number must be in internal format
shipFrom.contact.emailAddress	String (50 chars)	Yes, if shipFrom is given	
shipFrom.address		Yes, if shipFrom is given	
shipFrom.address.street	String (35 chars)	No	
shipFrom.address.number	String (5 chars)	No	
shipFrom.address.numberAddition	String (10 chars)	No	
shipFrom.address.addressLine2	String (35 chars)	No	
shipFrom.address.postcode	String (12 chars)	Yes, if shipFrom is given	Must be a valid postcode within the country
shipFrom.address.city	String (25 chars)	Yes, if shipFrom is given	
shipFrom.address.country	String (2 chars)	Yes, if shipFrom is given	ISO 3166-1 alpha-2 country code
shipFrom.address.privateAddress	Boolean	Yes, if shipFrom is given	
shipFrom.address.forkliftOrLoadingDockAvailable	Boolean	No	
shipFrom.address.accessibleWithTrailer	Boolean	Yes, if shipFrom is given	
shipTo		Yes	
shipTo.contact		Yes	
shipTo.contact.name	String (45 chars)	Yes	

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shipTo.contact.company	String (35 chars)		
shipTo.contact.phoneNumber	String (25 chars)	Yes	Telephone number must be in internal format
shipTo.contact.emailAddress	String (50 chars)	Yes	
shipTo.address		Yes	
shipTo.address.street	String (35 chars)	No	
shipTo.address.number	String (5 chars)	No	
shipTo.address.numberAddition	String (10 chars)	No	
shipTo.address.addressLine2	String (35 chars)	No	
shipTo.address.postcode	String (12 chars)	Yes	Must be a valid postcode within the country
shipTo.address.city	String (25 chars)	Yes	
shipTo.address.country	String (2 chars)	Yes	ISO 3166-1 alpha-2 country code
shipTo.address.privateAddress	Boolean	Yes	
shipTo.address.forkliftOrLoadingDockAvailable	Boolean	No	
shipTo.address.accessibleWithTrailer	Boolean	Yes	
items		Yes	
options	Array	No	Possible values: 'saturday_delivery'
items.quantity	Integer	Yes	
items.type	string	Yes	Item type (see API for available types)
items.stackable	Boolean	No	
items.dimensions		Yes	
items.dimensions.length	Float	Yes	Length of item (cm)
items.dimensions.width	Float	Yes	Width of item (cm)
items.dimensions.height	Float	Yes	Height of item (cm)
items.weight	Float	Yes	Weight of item (KG)
items.description	String (70 chars)	Yes	
items.customerReference	String (35 chars)	No	
items.value	Float	No	Only for shipments outside the EU (import / export) or insurance
items.tariffNumber	String (35 chars)	No	HS-code, only for shipments outside the EU (import / export)
items.countryOfOrigin	String (2 chars)	No	ISO 3166-1 alpha-2 landcode, only for shipments outside the EU (import / export)

Track and Trace (GET)

Fieldname	Type (length)	Required	Remark
id		yes	The ID of te label, not the waybill
distributor		No	If given, extra information with of the distributor will be given
Details		No	If given, historical data will be given of the label

Examples

Create shipment (POST)

```
{
  "invoiceReference": "API TEST",
  "transportType": "road_transport",
  "incoTerms": "DAP",
  "service": "buz-dpd-classic",
  "shipTo": {
    "contact": {
      "name": "Rik Balder",
      "company": "Boekuwzending",
      "phoneNumber": "+31252245480",
      "emailAddress": "info@boekuwzending.com"
    },
    "address": {
      "street": "Bennebroekweg",
      "number": "267",
      "numberAddition": "",
      "addressLine2": null,
      "postcode": "1435CJ",
      "city": "Rijsenhout",
      "country": "NL",
      "privateAddress": false,
      "forkliftOrLoadingDockAvailable": false,
      "accessibleWithTrailer": false
    }
  },
  "dispatch": {
    "instructions": "Doorbell doesn't work",
    "reference": "My first API shipment",
    "date": "2019-12-01",
    "timeWindow": {
      "begin": "8:00",
      "end": "16:00"
    }
  },
  "delivery": {
    "instructions": "Loading dock",

```

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```
{
  "reference": "API API",
  "date": "2019-12-05"
},
"options": [
  "saturday_delivery"
],
"items": [
  {
    "quantity": 1,
    "type": "package",
    "stackable": true,
    "dimensions": {
      "length": 20,
      "width": 20,
      "height": 20
    },
    "weight": 20,
    "description": "General cargo",
    "customerReference": "API TEST",
    "value": 100,
    "tariffNumber": "1234",
    "countryOfOrigin": "NL"
  }
]
}
```

Shipment response

```
{
  "items": [
    {
      "quantity": 1,
      "type": "package",
      "stackable": true,
      "dimensions": {
        "length": 20,
        "width": 20,
        "height": 20
      },
      "weight": 20,
      "description": "General cargo",
      "value": 100,
      "customerReference": "API TEST",
      "tariffNumber": "1234",
      "countryOfOrigin": "NL",
      "createdAt": "2020-03-25T16:09:37+01:00",
      "updatedAt": "2020-03-25T16:09:37+01:00"
    }
  ],
  "invoiceReference": "API TEST",
  "options": [
    {
      "surchargeSet": "surcharge_sets/030270cc-2ac6-11e9-a938-acde48001122",
      "manual": true
    }
  ],
  "status": "assigned",
  "transportType": "road_transport",
  "service": "services/da18ea1c-f7f1-11e8-ab4b-02fec4d73ad5",
  "shipFrom": {
    "contact": {
      "name": "R. Balder",
      "company": "Boekuwzending.com",
      "phoneNumber": "+31252245480",
      "emailAddress": "verkoop@boekuwzending.com"
    },
    "address": {
      "street": "Bennebroekerweg 121",
      "number": "267",
      "numberAddition": null,
      "postcode": "1435CJ",
      "city": "Rijsenhout",
      "country": "NL",
      "addressLine1": "Bennebroekerweg 121 267",
      "addressLine2": null,
      "forkliftOrLoadingDockAvailable": true,
      "privateAddress": false,
      "accessibleWithTrailer": true
    }
  },
  "shipTo": {
    "contact": {
      "name": "Rik Balder",
      "company": "Boekuwzending",
      "phoneNumber": "+31252245480",
      "emailAddress": "info@boekuwzending.com"
    },
    "address": {
      "street": "Bennebroekweg",
      "number": "267",
      "numberAddition": "",
      "postcode": "1435CJ",
    }
  }
}
```

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```
"city": "Rijsenhout",
"country": "NL",
"addressLine1": "Bennebroekweg 267",
"addressLine2": null,
"forkliftOrLoadingDockAvailable": false,
"privateAddress": false,
"accessibleWithTrailer": false
},
},
"dispatch": {
  "instructions": null,
  "reference": "My first API shipment",
  "date": "2019-12-01T00:00:00+01:00",
  "timeWindow": {
    "begin": "1970-01-01T08:00:00+01:00",
    "end": "1970-01-01T16:00:00+01:00"
  },
  "vatNumber": null,
  "eoriNumber": null
},
"delivery": {
  "instructions": "Loading dock",
  "reference": "API API",
  "date": "2019-12-05T00:00:00+01:00",
  "timeWindow": {
    "begin": null,
    "end": null
  },
  "vatNumber": null,
  "eoriNumber": null
},
},
"incoterms": "dap",
"insurance": {
  "deductibleExcess": null,
  "insuredValue": null
},
},
"draft": false,
"id": "a472648e-6aaa-11ea-b8e0-0242ac12000e",
"createdAt": "2020-03-25T16:09:37+01:00",
"updatedAt": "2020-03-25T16:10:07+01:00"
}
```

Rate Request (POST)

```
{
  "shipTo": {
    "contact": {
      "name": "Rik Balder",
      "company": "Boekuwzending",
      "phoneNumber": "+31252245480",
      "emailAddress": "info@boekuwzending.com"
    },
    "address": {
      "street": "Bennebroekweg",
      "number": "267",
      "numberAddition": "",
      "addressLine2": null,
      "postcode": "1435CJ",
      "city": "Rijsenhout",
      "country": "NL",
      "privateAddress": false,
      "forkliftOrLoadingDockAvailable": false,
      "accessibleWithTrailer": false
    }
  },
  "items": [
    {
      "quantity": 1,
      "type": "package",
      "stackable": true,
      "dimensions": {
        "length": 20,
        "width": 20,
        "height": 20
      },
      "weight": 20,
      "description": "General cargo",
      "customerReference": "API TEST",
      "value": 100,
      "tariffNumber": "1234",
      "countryOfOrigin": "NL"
    }
  ]
}
```

Rate Request response

```
{
  [
    {
```

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```
"service": [
  {
    "description": "PostNL Standaard",
    "code": "postnl-3085"
  },
  {
    "price": 9.50,
    "tax": 2.11
  }
],
"breakdown": [
  {
    "description": "PostNL Standaard",
    "price": 8.50,
    "tax": 1.90
  },
  {
    "description": "Dieseltoeslag",
    "price": 1,
    "tax": 0.21
  }
]
```

Services (POST)

```
{
  "shipTo": {
    "contact": {
      "name": "Rik Balder",
      "company": "Boekuwzending",
      "phoneNumber": "+31252245480",
      "emailAddress": "info@boekuwzending.com"
    },
    "address": {
      "street": "Bennebroekweg",
      "number": "267",
      "numberAddition": "",
      "addressLine2": null,
      "postcode": "1435CJ",
      "city": "Rijsenhout",
      "country": "NL",
      "privateAddress": false,
      "forkliftOrLoadingDockAvailable": false,
      "accessibleWithTrailer": false
    }
  },
  "items": [
    {
      "quantity": 1,
      "type": "package",
      "stackable": true,
      "dimensions": {
        "length": 20,
        "width": 20,
        "height": 20
      },
      "weight": 20,
      "description": "General cargo",
      "customerReference": "API TEST",
      "value": 100,
      "tariffNumber": "1234",
      "countryOfOrigin": "NL"
    }
  ]
}
```

Services response

```
[
  {
    "distributor": "postnl",
    "description": "PostNL Standaard",
    "code": "postnl-3085"
  }
]
```

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Track and Trace response

```
{
  "active": {
    "status": "string",
    "code": "string",
    "description": "string",
    "date": {
      "date": "string",
      "timezone_type": 0,
      "timezone": "string"
    }
  },
  "details": [
    {
      "status": "string",
      "code": "string",
      "description": "string",
      "date": {
        "date": "string",
        "timezone_type": 0,
        "timezone": "string"
      }
    }
  ],
  "distributor": [
    {
      "code": "string",
      "name": "string"
    }
  ]
}
```



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CURL examples

Request AccessToken

```
curl -X POST -d "grant_type=client_credentials&client_id={{clientId}}&client_secret={{clientSecret}}"  
https://staging.api.boekuwzending.com/token
```

Replace {{clientId}} and {{clientSecret}} with your API credentials.

Create a shipment

```
curl -X POST -d "@shipment.json" -H "Content-Type: application/json" -H "Authorization: Bearer {{accessToken}}"  
https://staging.api.boekuwzending.com/shipments
```

Replace {{accessToken}} with the accessToken retrieved from the above request.

Rate request

```
curl -X POST -d "@shipment.json" -H "Content-Type: application/json" -H "Authorization: Bearer {{accessToken}}"  
https://staging.api.boekuwzending.com/rate-request
```

Replace {{accessToken}} with the accessToken retrieved from the above request.

Retrieve services

```
curl -X POST -d "@shipment.json" -H "Content-Type: application/json" -H "Authorization: Bearer {{accessToken}}"  
https://staging.api.boekuwzending.com/services
```

Replace {{accessToken}} with the accessToken retrieved from the above request.



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