

WAREGEM, 24.09.2024

# B-WISE

## API documentation

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## 1. INTRODUCTION

This document aims to provide information about the B-WISE API. It should be used as a manual for software developers to integrate the B-WISE software of their client.

## 2. SWAGGER

The API has a swagger document available which can be found on the following url: <https://api.bwisecloud.be/api/swagger/ui>

This document contains the various endpoints and models used. As this document is auto-generated, it will provide the most up-to-date information.

## 3. AUTHENTICATION & VERSIONING

To access the API, three headers must be added to every request:

x-functions-key: this unique key will be provided by us.

database: the name of the B-WISE database. **We highly recommend using a test database for the initial integration.**

api-version: to identify the api version. The latest version is 1.

## 4. MODELS

Not all models are listed below. Up-to-date information about the models can be found at <https://api.bwisecloud.be/api/swagger/json>

### 4.1. Customers

country\_code & country\_code\_vat:  
code defined for country in B-WISE

vat\_regime:

- 0 = exempt from vat
- 1 = subject to vat
- 2 = export
- 3 = IC
- 4 = private

language:

- N = Dutch (Nederlands)
- F = French
- E = English
- D = German (Duits)

price\_code: defines which product price is used for this customer

```

1. "CustomerDto": {
2.   "required": [
3.     "name"
4.   ],
5.   "type": "object",
6.   "properties": {
7.     "id": {
8.       "type": "integer",
9.       "format": "int64",
10.      "readOnly": true
11.    },
12.    "code": {
13.      "type": "integer",
14.      "format": "int32",
15.      "nullable": true
16.    },
17.    "name": {
18.      "maxLength": 50,
19.      "minLength": 1,
20.      "type": "string"
21.    },
22.    "name_2": {
23.      "maxLength": 50,
24.      "type": "string",
25.      "nullable": true
26.    },
27.    "street": {
28.      "maxLength": 50,
29.      "type": "string",
30.      "nullable": true
31.    },
32.    "street_2": {
33.      "maxLength": 50,
34.      "type": "string",
35.      "nullable": true
36.    },
37.    "country_code": {

```

```
38.     "maxLength": 50,
39.     "type": "string",
40.     "nullable": true
41.   },
42.   "zipcode": {
43.     "maxLength": 10,
44.     "type": "string",
45.     "nullable": true
46.   },
47.   "location": {
48.     "maxLength": 50,
49.     "type": "string",
50.     "nullable": true
51.   },
52.   "tav": {
53.     "type": "string",
54.     "nullable": true
55.   },
56.   "telephone": {
57.     "maxLength": 20,
58.     "type": "string",
59.     "nullable": true
60.   },
61.   "mobile": {
62.     "maxLength": 20,
63.     "type": "string",
64.     "nullable": true
65.   },
66.   "email": {
67.     "maxLength": 200,
68.     "type": "string",
69.     "nullable": true
70.   },
71.   "website": {
72.     "maxLength": 200,
73.     "type": "string",
74.     "nullable": true
75.   },
76.   "vat_regime": {
77.     "type": "integer",
78.     "format": "int32",
79.     "nullable": true
80.   },
81.   "country_code_vat": {
82.     "type": "string",
83.     "nullable": true
84.   },
85.   "vatnumber": {
86.     "maxLength": 20,
87.     "type": "string",
88.     "nullable": true
89.   },
90.   "enterprisenumber": {
91.     "maxLength": 20,
92.     "type": "string",
93.     "nullable": true
94.   },
95.   "language": {
96.     "maxLength": 1,
```

```

97.     "type": "string",
98.     "nullable": true
99.   },
100.  "iban1": {
101.    "maxLength": 50,
102.    "type": "string",
103.    "nullable": true
104.  },
105.  "bic1": {
106.    "maxLength": 20,
107.    "type": "string",
108.    "nullable": true
109.  },
110.  "iban2": {
111.    "maxLength": 50,
112.    "type": "string",
113.    "nullable": true
114.  },
115.  "bic2": {
116.    "maxLength": 20,
117.    "type": "string",
118.    "nullable": true
119.  },
120.  "blocked": {
121.    "maxLength": 200,
122.    "type": "boolean",
123.    "nullable": true
124.  },
125.  "days_due_date": {
126.    "type": "integer",
127.    "format": "int32",
128.    "nullable": true
129.  },
130.  "email_invoices": {
131.    "type": "string",
132.    "nullable": true
133.  },
134.  "price_code": {
135.    "type": "integer",
136.    "format": "int32",
137.    "nullable": true
138.  },
139.  "currency": {
140.    "type": "string",
141.    "nullable": true
142.  }
143. },
144. "additionalProperties": false
145. }

```

## 4.2. Products

group: code defined for product group in B-WISE

subgroup: code defined for product subgroup in B-WISE

vat\_code: code defined for vat code in B-WISE  
reference\_product\_nr: product code for supplier

```
1. "ProductDto": {
2.   "required": [
3.     "code",
4.     "description_nl"
5.   ],
6.   "type": "object",
7.   "properties": {
8.     "id": {
9.       "type": "integer",
10.      "format": "int64",
11.      "readOnly": true
12.    },
13.    "code": {
14.      "maxLength": 35,
15.      "minLength": 1,
16.      "type": "string"
17.    },
18.    "barcode": {
19.      "maxLength": 50,
20.      "type": "string",
21.      "nullable": true
22.    },
23.    "group": {
24.      "maxLength": 10,
25.      "type": "string",
26.      "nullable": true
27.    },
28.    "subgroup": {
29.      "maxLength": 10,
30.      "type": "string",
31.      "nullable": true
32.    },
33.    "description_nl": {
34.      "maxLength": 500,
35.      "minLength": 1,
36.      "type": "string"
37.    },
38.    "description_fr": {
39.      "maxLength": 500,
40.      "type": "string",
41.      "nullable": true
42.    },
43.    "sales_price_1": {
44.      "type": "number",
45.      "format": "double",
46.      "nullable": true
47.    },
48.    "sales_price_1_incl": {
49.      "type": "number",
50.      "format": "double",
51.      "nullable": true
52.    },
53.    "sales_price_2": {
54.      "type": "number",
```

```
55.     "format": "double",
56.     "nullable": true
57. },
58. "sales_price_2_incl": {
59.     "type": "number",
60.     "format": "double",
61.     "nullable": true
62. },
63. "sales_price_3": {
64.     "type": "number",
65.     "format": "double",
66.     "nullable": true
67. },
68. "sales_price_3_incl": {
69.     "type": "number",
70.     "format": "double",
71.     "nullable": true
72. },
73. "sales_price_4": {
74.     "type": "number",
75.     "format": "double",
76.     "nullable": true
77. },
78. "sales_price_4_incl": {
79.     "type": "number",
80.     "format": "double",
81.     "nullable": true
82. },
83. "sales_price_5": {
84.     "type": "number",
85.     "format": "double",
86.     "nullable": true
87. },
88. "sales_price_5_incl": {
89.     "type": "number",
90.     "format": "double",
91.     "nullable": true
92. },
93. "quantity_per_unit": {
94.     "type": "number",
95.     "format": "double",
96.     "nullable": true
97. },
98. "price_per": {
99.     "type": "number",
100.    "format": "double",
101.    "nullable": true
102. },
103. "stock": {
104.     "type": "number",
105.     "format": "double"
106. },
107. "vat_code": {
108.     "maxLength": 3,
109.     "type": "string",
110.     "nullable": true
111. },
112. "purchase_price": {
113.     "type": "number",
```

```

114.     "format": "double",
115.     "nullable": true
116.   },
117.   "reference_product_nr": {
118.     "maxLength": 50,
119.     "type": "string",
120.     "nullable": true
121.   }
122. },
123. "additionalProperties": false
124. }

```

### 4.3. Documents

A document (DocumentDto) can contain one or more document details (DetailDto).

document\_type:

- L = delivery note (leveringsbon)
- B = purchaseorder (bestelbon)

Regime: Unless specified, the regime of the customer will be used

- 0 = exempt from vat
- 1 = subject to vat
- 2 = export
- 3 = IC
- 4 = private

Invoice\_or\_creditnote:

- F or I = Invoice
- C = Credit note

Address\_country\_code:

code defined for country in B-WISE

```

1. "DocumentDto": {
2.   "required": [
3.     "customer_code",
4.     "document_type"
5.   ],
6.   "type": "object",
7.   "properties": {
8.     "document_type": {
9.       "minLength": 1,
10.      "type": "string"

```



```
11.     },
12.     "number": {
13.         "type": "integer",
14.         "format": "int64"
15.     },
16.     "customer_code": {
17.         "type": "integer",
18.         "format": "int32"
19.     },
20.     "regime": {
21.         "type": "integer",
22.         "format": "int32"
23.     },
24.     "invoice_or_creditnote": {
25.         "type": "string"
26.     },
27.     "date": {
28.         "type": "string",
29.         "format": "date-time",
30.         "nullable": true
31.     },
32.     "to_invoice": {
33.         "type": "boolean",
34.         "nullable": true
35.     },
36.     "description": {
37.         "type": "string",
38.         "nullable": true
39.     },
40.     "your_reference": {
41.         "type": "string",
42.         "nullable": true
43.     },
44.     "address_street": {
45.         "type": "string",
46.         "nullable": true
47.     },
48.     "address_country_code": {
49.         "type": "string",
50.         "nullable": true
51.     },
52.     "address_zipcode": {
53.         "type": "string",
54.         "nullable": true
55.     },
56.     "address_location": {
57.         "type": "string",
58.         "nullable": true
59.     },
60.     "currency": {
61.         "type": "string",
62.         "nullable": true
63.     },
64.     "kkb": {
65.         "type": "number",
66.         "format": "double",
67.         "nullable": true
68.     },
69.     "kkb_term": {
```

```

70.     "type": "integer",
71.     "format": "int32",
72.     "nullable": true
73.   },
74.   "discount": {
75.     "type": "number",
76.     "format": "double",
77.     "nullable": true
78.   },
79.   "quarter_code": {
80.     "type": "string",
81.     "nullable": true
82.   },
83.   "cocontractor": {
84.     "type": "boolean",
85.     "nullable": true
86.   },
87.   "ic_goods": {
88.     "type": "boolean",
89.     "nullable": true
90.   },
91.   "total_excl": {
92.     "type": "number",
93.     "format": "double",
94.     "readOnly": true
95.   },
96.   "total_incl": {
97.     "type": "number",
98.     "format": "double",
99.     "readOnly": true
100.  },
101.  "details": {
102.    "type": "array",
103.    "items": {
104.      "$ref": "#/components/schemas/DetailDto"
105.    },
106.    "nullable": true
107.  }
108. },
109. "additionalProperties": false
110. }

```

line\_type:

- A or P = product line
- T = text line
- Other values will default to P

Line\_total\_excl & line\_total\_incl:

The total line values are automatically calculated for product lines. These fields should only be provided for text lines. If only one total is provided, the other value will be calculated.

General\_account\_code:

If not specified, the default account will be used.

```
1. "DetailDto": {
2.   "type": "object",
3.   "properties": {
4.     "line_number": {
5.       "type": "integer",
6.       "format": "int64",
7.       "nullable": true
8.     },
9.     "line_type": {
10.      "type": "string",
11.      "nullable": true
12.    },
13.    "product_code": {
14.      "type": "string",
15.      "nullable": true
16.    },
17.    "description": {
18.      "type": "string",
19.      "nullable": true
20.    },
21.    "unit": {
22.      "type": "string",
23.      "nullable": true
24.    },
25.    "quantity": {
26.      "type": "number",
27.      "format": "double",
28.      "nullable": true
29.    },
30.    "unit_price": {
31.      "type": "number",
32.      "format": "double",
33.      "nullable": true
34.    },
35.    "discount": {
36.      "type": "number",
37.      "format": "double",
38.      "nullable": true
39.    },
40.    "line_total_excl": {
41.      "type": "number",
42.      "format": "double",
43.      "nullable": true
44.    },
45.    "line_total_incl": {
46.      "type": "number",
47.      "format": "double",
48.      "nullable": true
49.    },
50.    "general_account_code": {
51.      "type": "integer",
52.      "format": "int64",
53.      "nullable": true
54.    },
55.  },
56. }
```

```
55.     "general_account_analytic_code": {
56.         "type": "integer",
57.         "format": "int64",
58.         "nullable": true
59.     },
60.     "general_account_description": {
61.         "type": "string",
62.         "nullable": true
63.     }
64. },
65. "additionalProperties": false
66. }
```

## 5. JSON PATCH

We have implemented JSON Patch to update resources. A JSON Patch document consists of one or more operations to apply to a resource.

The following example will update the street property for a customer:

```
[ {
  "op": "replace",
  "path": "/street",
  "value": "new street"
} ]
```

More information about JSON Patch can be found here:

<https://learn.microsoft.com/en-us/aspnet/core/web-api/jsonpatch?view=aspnetcore-8.0>