



VanOnGo B2B API

Interface Requirements Specification

Revision History

Version	Changes made	Author
1.1	Document is created	Lyubov Monsar
1.2	Orders states is added to the <u>Webhooks on Status change</u>	Lyubov Monsar
1.3	Updated structure for POST orders request. Error codes added.	Lyubov Monsar
1.4	Webhook description added. OrderItem is added into Order request structure	Lyubov Monsar
1.5	Description of Order statuses is added.	Lyubov Monsar
1.6	Comments for cargo, return orders and ability to make order with many order items, new order statuses list	Dmitry Skorinko
1.7	New cargo fields: amount, article, measureUnit. Services	Dmitry Skorinko
1.8	New endpoint Ready for delivery and new status Ready for delivery.	Tanya Mudruk
1.9	New fields: Name and Type for entity Cargo	Tanya Mudruk
1.10	Webhooks. New field "actor" added to indicate the order status change initiator.	Tanya Mudruk

Table of Contents

- Introduction..... 4
- General Flow 5
 - Document Purpose..... 5
 - Scope 5
- Interface Description..... 6
 - Authorization..... 6
 - Login 6
 - Refresh token 7
 - Password reset 8
 - Password Change 8
- Orders..... 10
 - Create order 10
 - Validate order..... 19
 - List of Orders 20
 - View Order Information 21
 - Cancel Order..... 22
- Notification to end customer 23
- Webhooks on Status change..... 24
 - Webhooks methods 25

Introduction

Open API is a simple way to integrate Business partners with VanOnGo platform.

If Business Partner has no delivery service or lack of capacity, they can easily pass different tasks to perform to VanOnGo.

VanOnGo supports different types of B2B models:

1. One pickup and N drop-offs (e.g. store and client orders)



- N pickups and one drop-off (e.g. clients and laundry service)



- Mix of pickups and drop-offs (e.g. inter-warehouse goods transferring)



General Flow

The Partner sends Orders via VanOnGo API during the day. VanOnGo Operators validate Orders, check addresses provided, contact end customers in case some information is missing.

At the defined time VanOnGo system calculates optimal Routes for next-day delivery using different parameters to produce the most efficient routing solution.

End customer receives SMS notification with the time of delivery and can change delivery date via the web page or by calling VanOnGo Operators.

Order can be canceled by Partner or by VanOnGo Operators.

Partners can receive information about Orders and status changes along all delivery process.

Document Purpose

The purpose of this document is to describe the interactions between VanOnGo System and external interfaces.

Scope

This document includes a description of methods for Authentication and working with Orders:

- Order creation
- Receive a list of all orders for a particular customer
- Receive information about a particular order
- Receive notification about Order status change
- Cancel Order
- Notify end customer about Order delivery

Interface Description

The VanOnGo API is a RESTful web interface that gives a possibility to the Partners integrate their solutions.

The base URL for VanOnGo B2B API is <https://stage.partner.api.vanongo.com> for testing purposes and <https://prod.partner.api.vanongo.com> for the production environment.

Every bit of data exchanged between clients and the API is JSON over HTTPS. Note that API only accepts application/json as content type.

Authorization

APIs use authorization to ensure that Partner requests access data securely.

User logs into the System using e-mail and password provided by VanOnGo and receives Access Token.

Valid Token must be included in the header of each request:

Key	Value
Authorization	Access Token received on Login/Refresh-token requests

Next Authorization methods are available:

- `POST /firebase/login`
- `POST /firebase/refresh-token`
- `POST /firebase/password-reset`
- `POST /firebase/password-change`

Login

The method is used to receive a valid token.

`POST /firebase/login`

Query string parameters:

Parameter	Description	Type/Value	Required
password	Password received from Administrator	String	Yes
email	e-mail registered in the System for B2B Partner	String	Yes

Response

Status: 200 Ok

```
{
  "access_token": "eyJhbGciOiJSUzI1NiIsImtpZCI6ImI5ODI2ZDA5Mzc3N2N1MDA1ZTQzYTMyN2ZmMjAyNjUyMTQ1ZTk2MDQlLCJ0eXAiOiJKV1QiLCJ0eXkiOiJ1b3R5bW5mb0BqeXNrLmNvbSIsIm1zcyI6Imh0dHBzOi8vc2VjdXJldG9rZW4uZ2"
}
```

```

9vZ2x1LmNvbS9iMmItcGFydG51cnMtc3RhZ2luZyIsImF1ZCI6ImIyYi1wYXJ0bmVycy1zdGFnaW5nIiwiYXV0aF90aW11Ijo
xNjA3NTA1NDg5LCJ1c2VyX21kIjoiam1aWlM0eGZ1VE9ZZ1hZSvZ4ZG53b1A4VWozMyIsInN1YiI6ImptWlpTNHhmdVRPWWZY
WUs1eGRud29QOFVqMzMiLCJpYXQiOjE2MDc1MDU00DksImV4cCI6MTYwNzUwOTA40SwiZW1haWwiOiJpbmZvQGp5c2suY29tI
iwiZW1haWxfdmVyaWZpZWQiOmZhbnN1LCJmaXJlYmFzZSI6eyJpZGVudG10aWVzIjp7ImVtYWlsIjpbImluZm9AanlzaY5jb2
0iXX0sInNpZ25faW5fcHJvdmkZlXlIoiJwYXNzd29yZCJ9fQ.LXFje_3KRIV5f2rzoInPW0dS6vZpyXLNtAKUVyv0XPdBDWHV
cVx8Cc3Pyc8KsJruLY3XxIMxE8wqpQrPotmZWSf1QWkMcpv-
JKkyDwr17ngHTqsRxLEHKftjI4dN6JkNBpPmR0aBl0abrRt6RC0Qg_I5_70MbUpITrXHGiubU0jbfuoDrWd14V8ZmjoX7N_W
VmyTfjx0kkvJXusS8Flcj996zZ0tpGfbEuTcF5pt6knH0ky0-
I8X9blivB4jgevBqFfjI1TqeAxezBm4bPpoQVsX2fZO5asO4XR0m4zJ7rQEmN77sSVXGm8FMHCJL0Vr_Sni4fcz8C2q7dzwn-
qg",
  "refresh_token": "AG8BCnfaQ3gGEjnWwf_C3MwB0t52KFTSgvAj33ktUYq3sM2jhAkFdKlyAr2duTXtG6NsNT359zZ
_Pj164FRpsm6Zzk0xBrfH9S-2EfrZuhOduJHNhCAEwmyC3rxNe5Z-1mv1YEWSJuI1bHp8i-Vh-
y2vL0xPIxs0eJH11DVuH85Zg8Gd-2ugG2EQcq_Jty0-6HnDod0YD6QZ3KtcDr-0N84EEica-6ww9W55i_bDUKgiIFjsBBM-
KfY",
  "expire": 3600
}

```

The parameter “expire” is in seconds.

Status: 400 Bad request

In case required parameters are not specified:

```

{
  "error": "You should enter all keys for this function: ['email', 'password']"
}

```

Refresh token

Receive a valid Access Token if the previous is expired.

POST /firebase/refresh-token

Parameter	Description	Type/Value	Required
refresh_token	Refresh token from /firebase/login response	String	Yes

Response

Status 200 - Ok

```

{
  "access_token": "eyJhbGciOiJSUzI1NiIsImtpZCI6ImI5ODI2ZDA5Mzc3N2N1MDA1ZTZqZyYmY2ZmMjAyNjUyMTQ1
ZTk2MDQiLCJ0eXAiOiJKV1QiLCJ0eXkiOiJ1YmV1IiwiYW5mb0BqeXNrLmNvbSIsImIyYi1wYXJ0bmVycy1zdGFnaW5nIiwiYXV0aF90aW11Ijo
xNjA3NTA1NDg5LCJ1c2VyX21kIjoiam1aWlM0eGZ1VE9ZZ1hZSvZ4ZG53b1A4VWozMyIsInN1YiI6ImptWlpTNHhmdVRPWWZY
WUs1eGRud29QOFVqMzMiLCJpYXQiOjE2MDc1MDkxNzcsImV4cCI6MTYwNzUwOTA40SwiZW1haWwiOiJpbmZvQGp5c2suY29tI
iwiZW1haWxfdmVyaWZpZWQiOmZhbnN1LCJmaXJlYmFzZSI6eyJpZGVudG10aWVzIjp7ImVtYWlsIjpbImluZm9AanlzaY5jb2
0iXX0sInNpZ25faW5fcHJvdmkZlXlIoiJwYXNzd29yZCJ9fQ.rtyM4qsyJWHciozXVbe2nxxxxYRFh0FyPepghYT37eo9VZZz
U2TbEIEcRakJgkwsDR1pM41JBHnMGEukVKRICzidoF9JxgvhblzjgeMOJ580V2sIcFzqhK_IxmaZ_Tz1tx9PxJ2tt4dnnya1
Jf9XjExyhBko5qDpitcdDs3r7keA03hClnRcygV_YcA7ZD5Lwib26Atvp7puorsS3ttJ8VqD4Pp4_DbW9-
FrCdhxvBb1MxD_rBc128R-d_fC5LRN10MTFrjkUvgva29xyfQk8s9mak1lc7PeLa1Vvp4q11J47pBhwsA5Ycfa-
OnMsZ3aQfwj5foitvx22bKZ1pguw",
  "refresh_token": "AG8BCnfaQ3gGEjnWwf_C3MwB0t52KFTSgvAj33ktUYq3sM2jhAkFdKlyAr2duTXtG6NsNT359zZ
_Pj164FRpsm6Zzk0xBrfH9S-2EfrZuhOduJHNhCAEwmyC3rxNe5Z-1mv1YEWSJuI1bHp8i-Vh-

```

```
y2vL0xPIxs0eJH11DVuH85Zg8Gd-2ugG2EQcq_Jty0-6HnDod0YD6QZ3KtcDr-ON84EEica-6ww9W55i_bDUKgiIFjsBBM-
KfY"
}
```

Password reset

POST /firebase/password-reset

The system sends an email with the password recovery instructions.

Parameter/Section	Description	Type/Value	Required
email	The E-mail address registered in VanOnGo system for a particular partner.	String	Yes

Response

Status: 200 Ok

The system sends a response with code 200 (Email sent) and a mail to the customer with the link for the password reset.

E-mail example:

Hello,

Follow this link to reset your VanOnGo Business password for your krylov1295@gmail.com account.

https://b2b-clients-8aa63.firebaseio.com/_/auth/action?mode=resetPassword&oobCode=eKbPQv8vjZpT09KMdZT4HILdp5dhgSgKD1wTh6eXUN0AAAF1enwUnw&apiKey=AIzaSyByvcOpwpxp0wwnMpJckmCSKa24jibr06DE&lang=en

If you didn't ask to reset your password, you can ignore this email.

Thanks,

Your VanOnGo Business team

Status 400 Bad request

In case the email is missing in request.

```
{
  "error": "You should enter all keys for this function: ['email']"
}
```

Password Change

POST /firebase/password-change

The system sends an email with the password recovery instructions.

Parameter/Section	Description	Type/Value	Required
email	e-mail registered in the System for B2B Partner	String	Yes

password	Password received from Administrator	String	Yes
new_password	New password	String	Yes

Response

Code	Description
200	Password changed
400	Validation error

Orders

Partners can work with their Orders via B2B API. There is a possibility to create an Order via the partner's integrated system, retrieve order information, and cancel the Order.

As Order is processed (received from warehouse, in delivery, delivered, returned) partner receives a notification on Order status change. See all possible states of the Order at [Webhooks on Status change](#).

- `POST /orders`
- `GET /orders/validate`
- `GET /orders`
- `GET /orders/{order ID}`
- `PUT /orders/{orderId}/cancel`
- `PUT/orders/{orderId}/ready-for-delivery`

Create order

`POST /orders`

Method validates and creates Order in the System. The System performs the same validations as for [Validate order](#) method.

Pickup and delivery address should be specified and should be in the supported Service area.

Service Area is configured for each Partner by VanOnGo Administrator and defined as a polygon on the map (e.g. city boundary + 30 km range).

The System uses geolocation services to validate each address and transform it into coordinates.

Order can consist of many sub-orders from pickup point to delivery point that we call Order items. Every Order item is defined by:

- Cargo
- Pickup address
- Pickup contact person
- Pickup date and time diapason
- Delivery address
- Delivery contact person
- Delivery date and time range
- Services

Order can be created either with one Order Item object, provided in the field

`orderItem`

or list of Order item objects, provided in the field

`orderItemList`

Only one of these fields should be filled with the Order Items information List of query string parameters for Order creation:

Parameter/Section	Description	Type/Value	Required
externalOrderID	Order ID from Partner's system	String	No
collectCash	Shows if the driver should receive payment from the end customer. Can be used for Return cases (if Partners pays for such orders).	Boolean False by default	No
comments	Additional information about the Order	string	No
OrderItem			
preferedVehicleSize	Size of the vehicle.	String Valid values: - "SMALL" - "MEDIUM" - "UPPER_MEDIUM" - "LARGE"	No
numberOfHelpers	A number of helpers (loaders) needed.	Number Valid values: - 0 - 1 - 2	No
isReturn	The order item is returning the cargo back to the warehouse	Boolean False by default	No
Cargo			
partnerCargoID	Unique cargo ID used in Partner's system	String	No
weight	Used to calculate the optimal route and select vehicle. Value is in kg. E.g. "0.5".	number	Yes
name	Cargo name Max length -255	String	No
type	Cargo type Max length -255	String	No
volume	Volume. Value is in cubic meters. E.g. "0.005"	number	No
length	Length (unit of measure - mm)	number	No
width	Width (unit of measure - mm)	number	No
height	Height (unit of measure - mm)	number	No
price	Declared Cargo price. Is used for insurance calculation.	number	No

comment	Text comment	String	No
article	Cargo item code or SKU	String	No
amount	Amount of same cargo	number	No
measureUnit	Name of the unit to measure with. E.g. 'box', 'packet', etc.	String	No
pickupAddress	One of these is required: - full address (city, street, and number) OR - coordinates (longitude, latitude).		
fullAddress	Full address (city, street, and number)	String	Optional
city	City	String	Optional
name	Place description	String	No
ZIP	ZIP	String	No
street	Street name	String	Optional
number	Building number	String	Optional
details	Apartment, office, entrance number	String	No
floor	Floor if applicable	String	No
noElevator	Shows if there is an elevator in the building (in case cargo should be delivered to upper floors).	Boolean "No" by default	No
latitude	Coordinates of the address	Number	Optional
longitude	Coordinates of the address	Number	Optional
Services			
name	Unique name of the service. Consult with your service agreement to use proper name assigned to you by VanOnGo	String	No
chargeFrom	Who pays for the service. It's either charged from the partner or from the final customer.	String Valid values: "PARTNER", "CUSTOMER", "FREE", "VANONGO" Default:"PARTNER"	No
pickupContactPerson			
firstName	First Name	String	Yes
lastName	Last Name	String	No
phone	Phone number. Should starts from "+".	String	No
comment	Any other contact details	String	No

pickupDatetimePeriod			
startDatetime	Date of pickup and warehouse working hours (start of the work). Start and end date should be the same. E.g. 2020-12-22T09:00+03	Time in the UTC Zone	Yes
endDatetime	Date of pickup and warehouse working hours (end of the work)	Time in the UTC Zone	Yes
deliveryAddress			
One of these is required: - full address (city, street, and number) OR - coordinates (longitude, latitude).			
fullAddress	Full address (city, street, and number)	String	Optional
city	City	String	Optional
name	Place description	String	No
ZIP	ZIP	String	No
street	Street name	String	Optional
number	Building number	String	Optional
details	Apartment, office, entrance number.	String	No
floor	Floor (in case cargo needs to be delivered to the upper floors)	String	No
elevator	Shows if there is an elevator in the building (in case cargo should be delivered to upper floors).	Boolean "No" by default	No
latitude	Coordinates of the address	Number	Conditional
longitude	Coordinates of the address	Number	Conditional
deliveryContactPerson			
firstName	First Name	String	Yes
lastName	Last Name	String	No
phone	Phone number. Should starts from "+".	String	Yes
comment	Any other contact details	String	No
deliveryDatetimePeriod			
startDatetime	Date and time of delivery (starting time for delivery) E.g. 2020-12-22T09:00+03 Start and end date should be the same.	Time in the UTC Zone	Yes
endDatetime	Date and time of delivery (end time for delivery)	Time in the UTC Zone	Yes

Request example with one Order Item:

```
{
  "comments": "ASAP",
  "externalOrderId": "1234",
  "collectCash": true,
  "orderItem": {
    "preferredVehicleSize": "MEDIUM",
    "numberOfHelpers": 1,
    "cargo": [
      {
        "width": 10,
        "weight": 150,
        "name": "Mobile phone",
        "type": "D1",
        "partnerCargoId": "1231234",
        "height": 12,
        "length": 50,
        "volume": 12,
        "amount": 2,
        "article": "430825474927",
        "measureUnit": "box",
        "price": 50000
      }
    ],
    "pickupDatetimePeriod": {
      "startDatetime": "2020-12-22T09:00:00+03:00",
      "endDatetime": "2020-12-22T10:00:00+03:00"
    },
    "deliveryDatetimePeriod": {
      "startDatetime": "2020-12-22T16:00:00+03:00",
      "endDatetime": "2020-12-22T17:00:00+03:00"
    },
    "pickupContactPerson": {
      "firstName": "Alex",
      "phone": "+384393",
      "comment": "should be"
    },
    "deliveryContactPerson": {
      "firstName": "Serhiy",
      "lastName": "Makarenko",
      "phone": "+380661242356"
    },
    "deliveryAddress": {
      "city": "Киев",
      "street": "улица Крещатик",
      "number": "20",
      "details": "За yglom",
      "floor": 5
    },
    "pickupAddress": {
      "city": "Киев",
      "street": "улица Янгеля",
      "number": "20",
      "details": "Вход со стороны арки",

```

```

    "floor": 1,
    "elevator": false
  }
  "services": [
    {
      "name": "DELIVERY_SAME_DAY",
      "chargeFrom": "PARTNER",
    },
    {
      "name": "ASSEMBLING",
      "chargeFrom": "CUSTOMER",
      "cargoId": "27836549"
    }
  ],
}

```

Request example with two Order Items:

```

{
  "comments": "ASAP",
  "externalOrderId": "1234",
  "collectCash": true,
  "orderItemsList": [
    {
      "preferredVehicleSize": "MEDIUM",
      "numberOfHelpers": 1,
      "isReturn": true,
      "cargo": [
        {
          "width": 10,
          "weight": 150,
          "partnerCargoId": "1231234",
          "height": 12,
          "length": 50,
          "volume": 0.12,
          "amount": 1,
          "article": "43082547927",
          "measureUnit": "packet",
          "price": 50000
        }
      ]
    },
    {
      "pickupDatetimePeriod": {
        "startDatetime": "2020-12-22T09:00:00+03:00",
        "endDatetime": "2020-12-22T10:00:00+03:00"
      },
      "deliveryDatetimePeriod": {
        "startDatetime": "2020-12-22T16:00:00+03:00",
        "endDatetime": "2020-12-22T17:00:00+03:00"
      },
      "pickupContactPerson": {
        "firstName": "Alex",
        "phone": "+384393",
        "comment": "should be"
      }
    }
  ],
}

```

```

"deliveryContactPerson":{
  "firstName": "Serhiy",
  "lastName": "Makarenko",
  "phone": "+380661242356"
},
"deliveryAddress":{
  "city": "Киев",
  "street": "улица Крещатик",
  "number": "20",
  "details": "За углом",
  "floor": 5
},
"pickupAddress": {
  "city": "Киев",
  "street": "улица Янгеля",
  "number": "20",
  "details": "Вход со стороны арки",
  "floor": 1,
  "elevator": false
},
"services": [
  {
    "name": "DELIVERY_NEXT_DAY",
    "chargeFrom": "PARTNER",
  }
],
},
{
  "preferredVehicleSize": "MEDIUM",
  "numberOfHelpers": 1,
  "cargo": [
    {
      "width": 10,
      "weight": 150,
      "partnerCargoId": "234123",
      "height": 12,
      "length": 50,
      "volume": 0.112,
      "amount": 1,
      "article": "430825474927",
      "measureUnit": "box",
      "price": 60000
    }
  ],
  "pickupDatetimePeriod": {
    "startDatetime": "2020-12-22T09:00:00+03:00",
    "endDatetime": "2020-12-22T19:00:00+03:00"
  },
  "deliveryDatetimePeriod": {
    "startDatetime": "2020-12-22T10:00:00+03:00",
    "endDatetime": "2020-12-22T17:00:00+03:00"
  },
  "pickupContactPerson":{
    "firstName": "Alex",

```

```

        "phone": "+384393890332",
        "comment": "should be"
    },
    "deliveryContactPerson":{
        "firstName": "Dmitro",
        "phone": "+380661242356"
    },
    "deliveryAddress":{
        "city": "Киев",
        "street": "улица Янгеля",
        "number": "20",
        "details": "За углом",
        "floor": 3
    },
    "pickupAddress": {
        "city": "Киев",
        "street": "улица Крещатик",
        "number": "22",
        "details": "нет",
        "floor": 3,
        "elevator": false
    },
    "services": [
        {
            "name": "RETURN_NEXT_DAY",
            "chargeFrom": "PARTNER",
        }
    ],
}
]
}

```

Response for the Order with one Order Item

Status: 201 created

VanOnGo ID of the generated Order is returned in the response.

```

{
  "orderItem": {
    "cargo": [
      {
        "weight": 150,
        "price": 50000,
        "partnerCargoId": "1231234",
        "length": 50,
        "width": 10,
        "volume": 12,
        "amount": 2,
        "article": "430825474927",
        "measureUnit": "box",
        "height": 12
      }
    ],
    "deliveryDatetimePeriod": {
      "startDatetime": "2020-12-22T16:00:00+03:00",
    }
  }
}

```

```

    "endDatetime": "2020-12-22T17:00:00+03:00"
  },
  "preferredVehicleSize": "MEDIUM",
  "numberOfHelpers": 1,
  "pickupDatetimePeriod": {
    "startDatetime": "2020-12-22T09:00:00+03:00",
    "endDatetime": "2020-12-22T10:00:00+03:00"
  },
  "deliveryContactPerson": {
    "comment": "",
    "firstName": "Serhiy",
    "lastName": "Makarenko",
    "phone": "+380661242356"
  },
  "deliveryAddress": {
    "city": "Kyiv",
    "geolocationService": "GOOGLE",
    "originalAddressString": "Київ, вулиця Крещатик, 20",
    "longitude": 30.5222594,
    "fullAddress": "20, Khreschatyk Street, Kyiv, 02000",
    "title": "",
    "street": "Khreschatyk Street",
    "latitude": 50.4502499,
    "elevator": true,
    "floor": 5,
    "details": "За углом",
    "number": "20"
  },
  "pickupAddress": {
    "city": "Kyiv",
    "geolocationService": "GOOGLE",
    "originalAddressString": "Київ, вулиця Янгеля, 20",
    "longitude": 30.451589,
    "fullAddress": "20, Akademika Yanhelya Street, Kyiv, 02000",
    "title": "",
    "street": "Akademika Yanhelya Street",
    "latitude": 50.447903,
    "elevator": false,
    "floor": "1",
    "details": "Вход со стороны арки",
    "number": "20"
  },
  "pickupContactPerson": {
    "comment": "should be",
    "firstName": "Alex",
    "lastName": "",
    "phone": "+384393"
  },
  "services": [
    {
      "name": "DELIVERY_SAME_DAY",
      "chargeFrom": "PARTNER",
    },
    {

```

```

        "name": "ASSEMBLING",
        "changeFrom": "CUSTOMER",
        "cargoId": "27836549"
      },
    ],
  },
  "externalOrderId": "1234",
  "comments": "ASAP",
  "collectCash": true,
  "id": "94fe024d-99e0-4e13-953e-d349c76725cb"
}

```

Status: 403 forbidden

```

{
  "message": "Missing Authentication Token"
}

```

Validate order

GET orders/validate

The System gives the possibility to check Order validity before creation.

The list of parameters is the same as for Create order. Order is validated but not created in the System.

Next validations are performed:

1. All required fields are specified.
2. Pickup and delivery address are specified (city, street, and number) and the address should be in the supported Service area.
3. Phone number should start from "+" sign.
4. Pickup and delivery date should be the same.

Responses

Status: 400 ok

The System returns the same response as for the Create Order method.

Status: 400 bad request

Code	Error text	Description
2014	Phone should start with plus sign	Phone number in deliveryContactPerson or pickuPContactPerson is specified without "+" sign
1017	Not a valid datetime	The date is in the wrong format
1003	Missing data for required field	Missing information in one of the required fields. If few fields are missing all of them would be specified.
2004	There are no area that covers this address	In case Address is out of Service Area that is supported for this Partner

2018	There should be only city, street, number or latitude/longitude	In case one of the fields "city", "street" or "number" is missing. In case coordinates are defined, not an address one of the pair "longitude", "latitude" is missing.
2007	There are no results or results more than one.	In case the address could not be converted into coordinates by geocoding.

List of Orders

GET /orders

The system returns information about orders of the Partner.

The list of Orders can be filtered by Status and Date (interval). The user also can specify the exact pages to be returned and the number of orders per page.

List of parameters:

Parameter	Description	Type/Value	Required
threshold	Getting orders starting from Order with #threshold. E.g. if threshold = 50 system returns all Orders starting from 50 th .	Number	No
page	Number of Orders per page. E.g. threshold = 0, page = 20. System returns first 20 Orders.	Number	No
status	Order status. Possible values see at Webhooks on Status change	string	No
dateTimeFrom	MM-DD-YYYY HH:MM Hours must be between 0 and 23, and Minutes must be between 00 and 59	DateTime UTC	No
dateTimeTo	MM-DD-YYYY HH:MM Hours must be between 0 and 23, and Minutes must be between 00 and 59	DateTime UTC	No

Response

```
{
  "totalCount": 3,
  "totalPages": 1,
  "currentPage": 1,
  "results": [
    {
      "status": "CANCELLED",
      "id": "c008993a-fa85-4f48-b369-79e0579e1933",
      "shortID": "579e1933",
```

```
    "externalOrderId": "1234"
  },
  {
    "status": "NEW",
    "id": "4f6b7ced-4c8f-4cfe-a2b3-ff28c733db90",
    "shortID": "c733db90",
    "externalOrderId": "1234"
  },
  {
    "status": "CANCELLED",
    "id": "b6852bd6-45c3-47d3-9fb0-b0b1427b6692",
    "shortID": "427b6692",
    "externalOrderId": "1234"
  }
]
}
```

View Order Information

GET orders/{order ID}

Return information about particular Order.

Path Parameter	Description
{Order ID}	VanOnGo Order ID. One that was returned during the Order creation.

Headers:

Key	Value
Authorization	access_token received as an response in Login method
Content-Type	application/json

Request body should be empty.

Response

```
{
  "status": "CANCELLED",
  "id": "b6852bd6-45c3-47d3-9fb0-b0b1427b6692",
  "shortID": "427b6692",
  "externalOrderId": "1234"
}
```

Cancel Order

The Partner can Cancel the order via API.

PUT /orders/{orderId}/cancel

Path Parameter	Description
{Order ID}	VanOnGo Order ID. One that was returned during the Order creation.

Headers:

Key	Value
Authorization	access_token received as an response in Login method
Content-Type	application/json

Request body should be empty.

The screenshot shows a REST client interface with the following details:

- Method:** PUT
- URL:** https://stage.partner.api.vanongo.com/orders/fb55cc76-a2bd-4b05-9b89-96054ea0748d/cancel
- Headers (9):**
 - Authorization: eyJhbGciOiJSUzI1NiIsImtpZCI6ImEyYjYjODJiMWI0...
 - Content-Type: application/json
- Body:** Pretty view of a JSON object:

```
1 {
2   "externalOrderId": "",
3   "shortId": "4EA0748D",
4   "id": "fb55cc76-a2bd-4b05-9b89-96054ea0748d",
5   "status": "CANCELLED"
6 }
```
- Status:** 200 OK, Time: 1390 ms, Size: 407 B

Response

```
{
  "id": "403aa1ab-9f70-44ec-bc08-5d5ac56bd8a5",
  "shortId": "c56bd8a5",
  "status": "CANCELLED",
  "externalOrderId": "1234"
}
```

Ready for delivery

For cases when order is ready for delivery, partner can change order state from NEW to READY_FOR_DELIVERY in VanOnGo system.

PUT/orders/{orderId}/ready-for-delivery

Path Parameter	Description
{Order ID}	VanOnGo Order ID. One that was returned during the Order creation.

Headers:

Key	Value
Authorization	access_token received as an response in Login method
Content-Type	application/json

Notification to end customer

Once Routes (Waybills) are calculated from Orders for the next day delivery the System can send an SMS notification to the end customers.

SMS can contain information about the date, time of delivery, and price (parameters are configurable on the Partner's level).

End customer also receives a link to the web page with the possibility to change the date of delivery (configurable on the Partner's level).

When the end customer clicks on the link the System changes the Order status from DISPATCHED to AT_WAREHOUSE with the Reason: "Order pickup and delivery time were rescheduled".

Webhooks on Status change

Partner receives notification each time Order status has been changed in the VanOnGo system.

VanOnGo uses webhooks to let partners know when Order status has changed in VanOnGo system and change the reason.

Each order can undergo the next statuses:

Figure 1. Order statuses

Status	Description
NEW	The Order is created in the VanOnGo system
READY_FOR_DELIVERY	Order is ready for delivery, cargo is present in partner warehouse
AT_WAREHOUSE	All Cargo of the Order are at the warehouse and ready to be delivered
DISPATCHED	The Waybill (Route) is created for a few Orders. All Orders in the Route would be transferred to this status.
ASSIGNED	The Driver is assigned to the Waybill (Route). All Orders in the Route would be transferred to this status.
CONFIRMED	The Driver has accepted Waybill
IN_PROGRESS	The Driver started driving the Route
PICKED_UP	The Driver picked all the Cargo up for this Order
ON_HOLD	The Delivery is on hold for some reason
CANCELLED	Cancelled by the Partner
TO_RETURN	The driver is returning the cargo to the warehouse. The recipient declined the cargo or this order is returning order.
RETURNED_TO_PARTNER	The Cargo from the Order are returned to the Partner
WAITING_FOR_SELF_PICKUP	The Cargo is waiting to be self picked up by the final recipient at the warehouse
TO_RESCHEDULE	The driver is returning the cargo to the warehouse. The recipient is not at home or deliberately asked to change the delivery date
AT_WAREHOUSE_TO_RETURN	The cargo is at the warehouse and waiting to be returned to the partner. This cargo is declined by the recipient or the order is returning order.
FINISHED	Order is delivered to the end recipient

Next information is included in the response:

Field	Description
ID	VanOnGo Order ID. One that was generated during the Order creation.
shortID	Short VanOnGo Order ID.
externalOrderID	Order ID from the Partner's system
status	New order status
reason	The reason for the status change (e.g. status: canceled, reason: "requested by end customer")
actor	Indicates which side has performed the action which led to status change. Type is string enum with following possible values: - vanongo : vanongo operator or driver or automated subsystem - b2b_client : our B2B Client (actually it's you) - consumer : recipient - the actual person for whom the order is delivered

Webhooks methods

Create webhook

POST /webhooks

Parameter	Description	Type/Value	Required
endpoint	Partner's URL for webhooks	String	Yes

Response

Status: 201 created

```
{
  "id": "b3f8052d-1861-47a8-8e81-c146f03bae11",
  "endpoint": "https://partners_URL",
  "apiKeyValue": "64c94c6f3f824b7fbf286ca2b80e90b6"
}
```

Receive list of all webhooks created by the partner

GET /webhooks

Response

Status: 201 created

```
[
  {
    "endpoint": "https://mysite.com/webhook",
    "apiKeyValue": "bda83aefcf645f99aa64f13d0ee1953",
    "id": "40f989d3-121a-49c6-9a5b-39affc3835ea"
  }
]
```

```
},
{
  "endpoint": "https://dev.partner.api.vanongo.com/invalid",
  "apiKeyValue": "44c64aba83894c8982bf86c28d4e5cb5",
  "id": "b1c87b21-d653-4185-adc8-b12423ccce1d"
},
{
  "endpoint": "https://dev.partner.api.vanongo.com/invalid",
  "apiKeyValue": "b43af19a9eb0491aa8f1241b84f663ce",
  "id": "4d7c976a-6049-4b4d-895c-b9e4d07693d0"
}
]
```

Receive information about webhook by ID

```
GET /webhooks/{id}
```

Response

Status: 201 created

```
{
  "id": "b3f8052d-1861-47a8-8e81-c146f03bae11",
  "endpoint": "https://partners_URL",
  "apiKeyValue": "64c94c6f3f824b7fbf286ca2b80e90b6"
}
```

Delete webhook

```
DELETE /webhooks/{id}
```

Response

Status: 204