



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 |

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..... 21
- 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)



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



3. 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


```

9vZ2x1LmNvbS9iMmItcGFydG51cnMtc3RhZ2luZyIsImF1ZCI6ImIyYi1wYXJ0bmVycy1zdGFnaW5nIiwiYXV0aF90aW11Ijo
xNjA3NTA1NDg5LCJ1c2VyX21kIjoiam1aWlM0eGZ1VE9ZZ1hZSvV4ZG53b1A4VWozMyIsInN1YiI6ImptWlpTNHhmdVRPWZy
WUs1eGRud290QVqMzMiLCJpYXQiOjE2MDc1MDU00DksImV4cCI6MTYwNzUwOTA40SwiZW1haWwiOiJpbmZvQGp5c2suY29tI
iwiZW1haWxfdmVyaWZpZWQlOmZhbnN1LCJmaXJlYmFzZSI6eyJpZGVudG10aWVzIjp7ImVtYWlsIjpbImluZm9AanlzaY5jb2
0iXX0sInNpZ25faW5fcHJvdmlkZXIiOiJwYXNzd29yZCJ9fQ.LXFje_3KRIV5f2rzoInPW0dS6vZpyXLNtAKUVyv0XPdBDWHV
cVx8Cc3Pyc8KsJruLY3XxIMxE8wqpQrPotmZWSf1QWkMCpv-
JKkyDwr17ngHTqsRxLEHKftjI4dN6JkNBPpmR0aBl0abrRt6RC0Qg_I5_70MbUpITrXHGiubU0jbfuoDrWd14V8ZmjoX7N_W
VmyTfjx0kkvJXusS8Flcj996zZ0tpGfbEuTcF5pt6knH0kyy0-
I8X9blivB4jgevBqFfjI1TqeAxezBm4bPpoQVsX2fZ05as04XR0m4zJ7rQEmN77sSVXGm8FMHCJL0Vr_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": "eyJhbGciOiJSUzI1NiIsImtpZCI6ImI5ODI2ZDA5Mzc3N2N1MDA1ZTZQzYTMjY2ZmMjAyNjUyMTQ1
ZTk2MDQlLCJ0eXAiOiJKV1QiLCJ0eXkiOiJ1YmV1Ijoiam1aWlM0eGZ1VE9ZZ1hZSvV4ZG53b1A4VWozMyIsInN1YiI6ImptWlpTNHhmdVRPWZy
WUs1eGRud290QVqMzMiLCJpYXQiOjE2MDc1MDU00DksImV4cCI6MTYwNzUwOTA40SwiZW1haWwiOiJpbmZvQGp5c2suY29tI
iwiZW1haWxfdmVyaWZpZWQlOmZhbnN1LCJmaXJlYmFzZSI6eyJpZGVudG10aWVzIjp7ImVtYWlsIjpbImluZm9AanlzaY5jb2
0iXX0sInNpZ25faW5fcHJvdmlkZXIiOiJwYXNzd29yZCJ9fQ.rtyM4qsyJWHciozXVbe2nxxxxcYRfH0FyPepghYT37eo9VZZz
U2TbEIEcRakJgkwsDR1pM41JBHnMGEukVKRICzidof9JxgvhblzjgeMOJ580V2sIcFzqhK_IxmaZ_Tz1tx9PxxJ2tt4dnnya1
Jf9XjExyhBko5qDpitcdDs3r7keA03hClnRcygV_YcA7ZD5Lwib26Atvp7puorsS3ttJ8VqD4Pp4_DbW9-
FrCdhxvBb1MxD_rBc128R-d_fC5LRN10MTFrjkUvgva29xyfQk8s9mak1lc7PeLa1Vvp4q11J47pBhwsA5Ycfa-
OnMsZ3aQfwj5foitvx22bKZ1pguw",

```

```

"refresh_token": "AG8BCnfaQ3gGEjnwWf_C3Mwb0t52KFTSgvAj33ktUYq3sM2jhAkFdKlyAr2duTXtG6NsNT359zZ
_Pj164FRPsm6ZzkOxBrfH9S-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=AIzaSyByvcOpwXP0wwnMpJcKcmCSKa24jibr06DE&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_M EDIUM" - "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. | number | No |

| | | | |
|----------------------------|--|--|-------------|
| | Is used for insurance calculation. | | |
| 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). | | |
| city | City | String | Conditional |
| name | Place description | String | No |
| ZIP | ZIP | String | No |
| street | Street name | String | Conditional |
| number | Building number | String | Conditional |
| 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 | Conditional |
| longitude | Coordinates of the address | Number | Conditional |
| 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). | | | |
| city | City | String | Conditional |
| name | Place description | String | No |
| ZIP | ZIP | String | No |
| street | Street name | String | Conditional |
| number | Building number | String | Conditional |
| 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 ygлом",
    "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": "Вхід со сторони 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 for a PUT request to `https://stage.partner.api.vanongo.com/orders/fb55cc76-a2bd-4b05-9b89-96054ea0748d/cancel`. The Headers tab is active, displaying two headers: `Authorization` with a long token and `Content-Type` set to `application/json`. Below the headers, the Body tab is selected, showing a JSON response in pretty-printed format:

```
1 {
2   "externalOrderId": "",
3   "shortId": "4EA0748D",
4   "id": "fb55cc76-a2bd-4b05-9b89-96054ea0748d",
5   "status": "CANCELLED"
6 }
```

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") |

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