



Active Ants

Active Ants Shop API – version 1.10.2.4 – March 2024

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2 Document History

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1.9.10.11	N. Hansum	2022-06-08	Added paperless parameter to returnlabel/get for paperless returns support.
1.9.10.12	N. Hansum	2022-06-17	Fixed Documentation
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1.10.0.1	R. van Bostelen	2022-07-18	Added GetLabeledShipments, LabeledShipmentsByOrderType, UpdateSyncedLabeledShipments
1.10.0.2	M. van Vliet	2022-11-11	Fixed documentation
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1.10.2.2	P.Thakur	2023-04-20	Added mainShippingMethod and Warehouse abbreviation for Post : shipment/search
1.10.2.3	R. Schoofs	2023-05-02	Added lotnumbers to /stock/bulk, /v2/stock/bulk and /v2/stock/get/{productSku} endpoints.

1.10.2.4	I. Gorbylev	2024-03-28	Added 'unavailable' and 'expected' stock levels to GET v2/stock/bulk
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3 Introduction

The Active Ants Shop API was made to replace the old Novulo Webservice. Much of the old functionality has been kept, but there have been quite a few changes. One of them is the conversion to JSON. This document will cover all different calls you can perform in as much detail as possible. For each operation we will define which fields are needed to use the API, and provide you with the URL to use for your JSON requests.

4 Active Ants Shop API Token

Each operation is protected by a username and password combination. Each shop has their own usernames and passwords, and need to be provided to the Token operation. This operation will return a token string which needs to be provided in the header of each request.

IMPORTANT: Tokens should be stored until they expire, but be aware that a token can potentially be invalidated before it actually expires. If this happens requests will return a 401 Unauthorized error, and your response should be to immediately fetch a new token.

4.1.1 JSON URL

Type: POST
 URL: /token

4.1.2 Fields

Field name	Req?	Datatype	Explanation
grant_type	Y	String	Is required to be 'password'.
username	Y	String	Provide your username in this field.
password	Y	String	Provide your password in this field.

4.1.3 Result Fields

Field name	Datatype	Explanation
access_token	String	Contains your access token for this session.
token_type	String	Defines what type of token you have received. Should be 'bearer'.
expires_in	Integer	Amount in seconds until expiration.
userName	String	The username this token belongs to.
issued	DateTime	The exact date and time this token was issued on.
expires	DateTime	The exact date and time this token will expire on.

4.2 Header format

When creating your request, you will need to provide a header. The header has to be an object containing a String variable called "Authorization" with the following data:

' Bearer ' followed by your token data. Pay extra attention to the leading space.

An example authorization string would look like this:

' Bearer Kjy1mSV'

5 General

5.1 GetStatus

To provide our customers with some troubleshooting, we have provided a status operation which will return the current status of various aspects of the API. This way customers can check if, for example, the API database is down.

5.1.1 JSON URL

Type: GET
URL: status/get

5.1.2 Result Fields

Field name	Datatype	Explanation
database_status	String	OK or NOK

5.2 GetSettings

After creating an account for a new relation, Active Ants will configure this account with specific settings. These settings need to be used when for example creating an order and should be cached locally after getting the token. When creating objects used by the API, these settings are required for certain fields.

Important: The settings differ between test or live. After changing from test to live (or vice versa) or username/password combination settings need to be refreshed.

5.2.1 JSON URL

Type: GET
URL: settings/get

5.2.2 Result Fields

Field name	Datatype	Explanation
PaymentMethods	List of payment methods	For each payment method: <ul style="list-style-type: none"> • id: integer • name: name of the method • code: code of the method
ShippingMethods	List of shipping methods	For each shipping method: <ul style="list-style-type: none"> • id: integer • name: name of the method • code: code of the method Note that these are actually warehouse specific, but the system will automatically select the corresponding shipping method if the shipment is created in a different warehouse.
MainShippingMethods	List of Shipping Method Warehouse Configurations	For each main shipping method: <ul style="list-style-type: none"> • id: integer of main¹ shipping method • name: name of the method • code: code of the method • shippingMethods: List of shipping methods with ids corresponding with the previous field above (ShippingMethods). Foreach shipping method:

		<ul style="list-style-type: none"> ○ id: integer, corresponds to a shipping method (which is warehouse specific) ○ Warehouse: string, warehouse code²⁾
OrderTypes	List of order types	For each order type: <ul style="list-style-type: none"> ● id: integer ● name: name of the order type ● code: code of the order type
Countries	List of countries	For each country: <ul style="list-style-type: none"> ● id: integer ● name: name of the country ● code: code of the country
Languages	List of languages	For each country: <ul style="list-style-type: none"> ● id: integer ● name: name of the language ● code: code of the language
ReturnReasons	List of Return reasons	For each return reason: <ul style="list-style-type: none"> ● id: integer ● name: description of the return reason ● code: code of the return reason
ReturnShippingMethods	List of available Return Shipping Methods	For each return shipping method: <ul style="list-style-type: none"> ● id: integer ● name: description of the return shipping method ● code: code of the returnshippingmethod

Notes:

1. Main refers to the shipping method without company- or warehouse specific configuration.
2. The warehouse code consists of two letters; the first letter refers to the country and the second letter to the location/city where the warehouse is located.

6 Orders

6.1 AddOrder

This operation will add new orders to the database. Important to note is that when the Billing Address fields are left empty/null, all the data in Delivery Address will be used for both Delivery and Billing.

6.1.1 JSON URL

Type: POST

URL: order/add

6.1.2 Fields

Field name	Req?	Datatype	Explanation
ExternalOrderNumber	Y	String	The order number of external system (e.g. Magento)
ExtraReference	N	String	Can be used to store an extra reference.
ActionCode	N	String	Can be used to store information about a promotional action in an order.
PreferredShippingDate	N	DateTime	When this date is set, the order will not be shipped before this date.
PartialDelivery	N	Boolean	When set to false the order will only ship when all products are in stock. When set to true, orders will ship in parts when products become available.
OnHold	N	Boolean	When set to true, order gets status 'on hold'. Use "release order" function to release this order.
Email	N	String	The customer's email.
PhoneNumber	N	String	The customer's phone number.
Currency	N	String	The currency of the order (ISO-3 code, like EUR, USD) EUR is assumed when empty.
BankAccountNumber	N	String	The customer's IBAN.
BankAccountHolderName	N	String	The account holder's name.
BankAccountCityName	N	String	The account holder's city.
PaymentMethodId	Y	Integer	The id of the payment method. Since we do not handle payments ourselves anymore, this should always have value: 1 (deprecated)
ShippingMethodId	N	Integer	The id of the shipping method. All available shipping methods and the corresponding id's can be found with the 'GetSettings' operation of the API. When filled in, this will overwrite the default shipping method. So unless your customer uses a shipping method other than the default, this field should be empty.
DeliveryAddressFirstName	N	String	The name of the person of the delivery address.
DeliveryAddressInsertion	N	String	The insertion between first and last name of the delivery address.
DeliveryAddressLastName	Y	String	The last name of the person of the delivery address.
DeliveryAddressExtraName	N	String	The extra name of the person of the delivery address (e.g. the company name)

DeliveryAddressPostalCode	N (Y)	String	The postal code of the delivery address. This field is required when shipping within The Netherlands, Germany or Belgium (and most other countries).
DeliveryAddressHouseNumber	N (Y)	Integer	The house number of the delivery address. This field is required when shipping within The Netherlands, Belgium or Germany. If there is no housenumber in there, Maya will try to retrieve it from DeliveryAddressStreet. If DeliveryAddressStreet does not contain a housenumber for these countries mentioned, the order will be marked as Not Valid, and won't be shipped, until a housenumber is added.
DeliveryAddressHouseNumberAddition	N	String	The house number addition of the delivery address
DeliveryAddressStreet	Y	String	The streetname of the delivery address
DeliveryAddressCityName	Y	String	The cityname of the delivery address
DeliveryAddressRegion	N	String	The region this address is in. Preferably ISO 2 character code. (ISO 3166-2)
DeliveryAddressCountryIso	Y	String	The ISO 2 character countrycode (ISO 3166) of the delivery address. All available countries and country codes can be found with the 'GetSettings' operation of the API.
DeliveryAddressExtraAddress	N	String	Used to store extra information for the delivery address.
BillingAddressFirstName	N	String	The name of the person of the billing address
BillingAddressInsertion	N	String	The insertion between first and last name of the billing address.
BillingAddressLastName	N	String	The last name of the person of the billing address.
BillingAddressExtraName	N	String	The extra name of the person of the billing address (e.g. the company name)
BillingAddressPostalCode	N	String	The postal code of the billing address
BillingAddressHouseNumber	N	Integer	The house number of the billing address
BillingAddressHouseNumberAddition	N	String	The house number addition of the billing address
BillingAddressStreet	N	String	The street name of the billing address
BillingAddressCityName	N	String	The city name of the billing address
BillingAddressRegion	N	String	The region this billing address is in. Preferably ISO 2 character code. (ISO 3166-2)
BillingAddressCountryIso	N	String	The ISO 2 character country code (ISO 3166) of the billing address. All available countries and country codes can be found with the 'GetSettings' operation of the API.
BillingAddressExtraAddress	N	String	Used to store extra information for the billing address.
Extra1	N	String	Can be used to store extra information
Extra2	N	String	Can be used to store extra information
Extra3	N	String	Can be used to store extra information
Extra4	N	String	Can be used to store extra information
Extra5	N	String	Can be used to store extra information
VatNumber	N	String	BTW (VAT) Number
ClientReference	N	String	Extra reference space for the client.

LanguageId	Y	Integer	The id of the Language Code. All available language codes and the corresponding id's can be found with the 'GetSettings' operation of the API.
OrderTypeId	Y	Integer	Defines the type of Order. All available Order Types can be retrieved using the 'GetSettings' operation of the Api.
OrderItems	Y	Array of OrderItems	All Order Items will be put into this array in your request. See 6.1.3 for details.
PickUpPointId	N	String	Pickup spot Service point (f.e. PostNL-Pakje Gemak, DHL - Service point, BPost afhaalpunt, UPS access point) Important to note is the following: The following fields need to be filled appropriately if you want the pickup point shipments to be processed properly! Please ensure that the pickup point address is valid and complete!
PickupPointName	N	String	Pickup spot name (usually printed on label)
PickupPointStreet	N	String	Pickup spot street name
PickupPointHouseNumber	N	Integer	The house number of the pickup spot
PickupPointHouseNumberAddition	N	String	The house number extension of the pickup spot
PickupPointPostalCode	N	String	The Zip code of the pickup spot
PickupPointCityName	N	String	City name of the Pickup spot
PickupPointCountryIso	N	String	The ISO 2 character country code (ISO 3166) of the pickup spot address. All available countries and country codes can be found with the 'GetSettings' operation of the API.
PickupPointRegion	N	String	The region this billing address is in. Preferably ISO 2 character code. (ISO 3166-2)
PickupPointExtraAddress	N	String	Used to store extra information for the pickup spot address.
WarehouseId	N	Integer	WarehouseId of the warehouse of the order. If a value is given and not known within Maya, the order will fail.

6.1.3 OrderItem Fields

Field name	Req?	Datatype	Explanation
Sku	Y	String	The product SKU for this order item.
Quantity	Y	Integer	Total number of products in this order item.
Name	N	String	Name of the product
Price	Y	Decimal	Price per product.
VAT	N	Decimal	VAT Percentage.
Extra6	N	String	Can be used to store extra information.
Extra7	N	String	Can be used to store extra information.
WarehouseId	N	Integer	WarehouseId of the warehouse of the orderitem. If a value is given and not known within Maya, the order will fail

SearchOrder (deprecated)

6.1.4 JSON URL

Type: POST

URL: order/search

6.1.5 Input Fields

Field name	Datatype	Explanation
ExternalOrderNumber	string	External order number

6.1.6 Result Fields

Field name	Datatype	Explanation
OrderNumber	Integer	Active Ants internal Order Number

6.2 SearchOrderV2

6.2.1 JSON URL

Type: GET

URL: **v2**/order/search?externalOrderNumber=***

6.2.2 Input Fields

Field name	Datatype	Explanation
externalOrderNumber	string	External order number.

6.2.3 Result Fields

Field name	Datatype	Explanation
OrderNumber	Integer	Active Ants internal Order Number
ExternalOrderNumber	String	External order number
Extra1	String	Contains any information provided via AddOrder
Extra2	String	Contains any information provided via AddOrder
Extra3	String	Contains any information provided via AddOrder
Extra4	String	Contains any information provided via AddOrder
Extra5	String	Contains any information provided via AddOrder

6.3 ReleaseOrder

6.3.1 JSON URL

Type: POST

URL: order/release

6.3.2 Input Fields

Field name	Datatype	Explanation
ExternalOrderNumber	string	External order number

6.3.3 Result Fields

This request only returns a status with a status message. IE: 200 OK.

7 Product

7.1 AddProduct

This operation will insert a new product into the Maya database.

7.1.1 JSON URL

Type: POST

URL: product/add

7.1.2 Fields

Field name	Req?	Datatype	Explanation
Sku	Y	String	The product's SKU. Should be a unique value in the database.
Name	Y	String	The product name
Barcode	N	String	The product barcode.
Description	N	String	The product description.
HarmonisationCode	N	String	HS-code to be used for customs.
CountryOfOriginIso	N	String	Alpha-2 ISO code of the Country of Origin.
EncodedImage	N	String	Base64 string of the product image. Max file size is 100Kb.
CostPrice	N	Decimal	The product's purchasing price.
SupplierCode	N	String	Company code belonging to the supplier company (must be the same as configured in MaYa) Example: Sup001
SupplierProductCode	N	String	Product code used by the Supplier of this product
StockMinimum	N	Integer	Used to define a minimum stock
StockMaximum	N	Integer	Used to define a maximum stock
PriceA	N	Decimal	Product sale price (used in reports)
PriceB	N	Decimal	^
PriceC	N	Decimal	^
PriceD	N	Decimal	^
VatLevel	N	Integer	0 = No VAT, 1 = Low VAT, 2 = High VAT
OrderQuantity	N	Integer	The quantity used in the order reports.
Extra1	N	String	Additional product info
Extra2	N	String	Additional product info
Extra3	N	String	Additional product info
Extra4	N	String	Additional product info
Extra5	N	String	Additional product info
HasThtDate	N	Boolean	Product has THT date if true
WarningDaysTillThtDate	N	Integer	Number of days for warning of THT
MaxDaysTillThtDate	N	Integer	Max number of days of THT
HasLotNumber	N	Boolean	Product has a lot number if true
HasSerial	N	Boolean	Product has a serial number if true
UseEconomicStock	N	Boolean	Use economic stock for product if true

7.1.3 EditProduct

This operation will update a product.

7.1.3 JSON URL

Type: POST

URL: product/edit

7.1.4 Fields

Field name	Req?	Datatype	Explanation
Sku	Y	String	The Product SKU.
CostPrice	N	Decimal	Purchasing cost of the product.
Description	N	String	The product description. Truncated after 200 characters
HarmonisationCode	N	String	HS-code to be used for customs.
CountryOfOriginIso	N	String	Alpha-2 ISO code of the Country of Origin.
EncodedImage	N	String	A Base64 encoded image. Max file size is 100Kb.
Name	N	String	The product name. Cannot be empty
Barcode 1	N	String	The product barcode.
StockMinimum	N	Integer	Used to define a minimum stock
StockMaximum	N	Integer	Used to define a maximum stock
PriceA	N	Decimal	Product sale price (used in reports)
PriceB	N	Decimal	^
PriceC	N	Decimal	^
PriceD	N	Decimal	^
VatLevel	N	Integer	0 = No VAT, 1 = Low VAT, 2 = High VAT
OrderQuantity	N	Integer	The quantity used in the order reports.
Extra1	N	String	Additional product info
Extra2	N	String	Additional product info
Extra3	N	String	Additional product info
Extra4	N	String	Additional product info
Extra5	N	String	Additional product info
HasThtDate	N	Boolean	Product has THT date if true
WarningDaysTillThtDate	N	Integer	Number of days for warning of THT
MaxDaysTillThtDate	N	Integer	Max number of days of THT
HasLotNumber	N	Boolean	Product has a lot number if true
HasSerial	N	Boolean	Product has a serial number if true
UseEconomicStock	N	Boolean	Use economic stock for product if true

1 – Barcode can only be changed if product is not in stock.

7.2 SearchProduct (deprecated)

7.2.1 JSON URL

Type: POST

URL: product/search

7.2.2 Input Fields

Field name	Datatype	Explanation
Sku	String	The product SKU code.

Barcode	String	The product barcode.

7.2.3 Result Fields

Field name	Datatype	Explanation
Sku	String	Product SKU

7.3 SearchProductV2

Type: GET

URL: **v2**/product/search?sku=***&barcode=***

7.3.1 Input Fields

Field name	Datatype	Req?	Explanation
sku	String	N	The product SKU code. Prioritized over barcode.
barcode	String	N	The product barcode.

Both values are optional, but SKU will take priority over barcode. This is done because SKU values are unique so there is no extra benefit to checking the barcode as well as the SKU.

7.3.2 Result Fields

Field name	Datatype	Explanation
Sku	String	Product SKU
Barcode	String	Product barcode
Weight	Decimal	Product weight (if known)
CostPrice	Decimal	Product cost price (if known)
MinTHT	DateTime	If product has a best before date(THT), the closest THT will be provided here.

8 PurchaseOrder

8.1 AddPurchaseOrder

This operation will insert a new purchase order into our database.

8.1.1 JSON URL

Type: POST

URL: purchaseorder/add

8.1.2 Fields

Field name	Req?	Datatype	Explanation
Reference	Y	String	Used to store a reference number or other text used to identify the purchase order.
Comment	N	String	Can contain any extra information regarding the purchase order.
ExpectedDate	N	DateTime	The date on which the purchase order is expected to arrive.
PurchaseOrderItems	Y	Array of PurchaseOrderItems	All Purchase Order Items will be put into this array in your request. See 8.1.3 for details.
WarehouseId	N	Integer	It is an optional field, used to store id of warehouse. WarehouseId could be user input or default warehouse.

8.1.3 PurchaseOrderItem Fields

Field name	Req?	Datatype	Explanation
SKU	Y	String	The product SKU for this purchase order item.
Quantity	Y	Integer	Total number of products in this purchase order item.
ExpectedDate	N	DateTime	The date on which this product is expected to arrive.

8.2 EditPurchaseOrder

Rules for editing and deleting purchase orders (colours will be displayed in Maya)

Green

This PO matches completely with all received goods. Each and every POItem is matched completely to incoming goods. There are no actions open for this PO.

- Edit of PO allowed: NO
- Delete of PO allowed: NO
- Edit of POItem allowed: NO
- Delete of POItem allowed: NO
- Adding POItem allowed: NO

Yellow

This PO is not complete: not all expected goods have been delivered, but there is at least one POItem that has goods (partially) delivered.

- Edit of PO allowed: YES (only comment and reference, not expected date)
- Delete of PO allowed: NO
- Edit of POItem allowed: YES (if new expected quantity for this POItem \geq already booked)
- Delete of POItem allowed: YES (if no goods booked on this POItem, otherwise set to booked value)
- Adding POItem allowed: YES

Red

This PO is new: no goods have been received for this PO.

- Edit of PO allowed: YES (reference, comment and expected date)
- Delete of PO allowed: YES
- Edit of POItem allowed: YES
- Delete of POItem allowed: YES
- Adding POItem allowed: YES

Note:

- a. **Edit PO:** edit PO, only provide PO-level information. Existing POItems remain untouched.
- b. **Edit POItem(s):** edit PO, provide array of SKUs and quantities. If SKU exists: overwrite quantity. Other existing POItems remain untouched. Red/ yellow rules apply
- c. **Add POItem(s):** edit PO, provide array of SKUs and quantities to add. Existing POItems remain untouched.
- d. **Delete POItem(s):** edit PO, provide array of SKUs with quantities set to 0. Any unbooked POItems will be deleted, or set to currently booked quantity.

JSON URL: purchaseorder/edit

Method: POST

PurchaseOrder Fields

Field name	Req?	Datatype	Explanation
PurchaseOrderId	Y	Integer	Used to look up, via Purchase Order ID of the original PO, the purchase order to be modified.
Reference	N	String	Used to store the (modified) reference number or other text used to identify the purchase order. Overwrites the “old” reference when provided.
Comment	N	String	Can contain any extra information regarding the purchase order. Overwrites the “old” comment when provided.
ExpectedDate	N	DateTime	The (modified) date on which the purchase order is expected to arrive. Overwrites original when provided.
PurchaseOrderItems	N	Array of PurchaseOrderItems	All Purchase Order Items that are affected will be put into this array in your request. Any PurchaseOrderItem / SKU not listed will not be modified.

PurchaseOrderItem Fields:

Field name	Req?	Datatype	Explanation
SKU	Y	String	The product SKU for this purchase order item.
Quantity	Y	Integer	Total number of products in this purchase order item.

Success Response:

```
{
  "messageCode": "OK",
  "message": "PurchaseOrder(Item) processed successfully.",
  "result": 20279
}
```

Error response:

```
{
  "messageCode": "NOK",
  "message": "PurchaseOrder(Item) processed unsuccessfully.",
  "result": PurchaseOrderErrorModel(defined below)
}
```

8.3 DeletePurchaseOrder

Important Note: Calling Delete on a partially completed (Yellow) PurchaseOrder will result in the PurchaseOrder being adjusted to match any booked stock and set to Completed (Green).

Note:

1. **Delete endpoint**
 - a. **Delete PO:** provide only PO ID, if red/yellow will do a full/partial delete respectively.
 - b. **Delete POItems(s):** provide PO ID and array of SKUs to be deleted. Red/yellow rules apply.

JSON URL: purchaseorder/delete

Method: POST

PurchaseOrder Fields

Field name	Req?	Datatype	Explanation
PurchaseOrderId	Y	Integer	Used to look up, via Purchase Order ID of the original PO, the purchase order to be modified.
PurchaseOrderItems	N	Array of PurchaseOrderItems	All Purchase Order Items that are affected will be put into this array in your request. Any PurchaseOrderItem / SKU not listed will not be modified. See below for description of valid contents.

PurchaseOrder/Item Fields:

Field name	Req?	Datatype	Explanation
SKU	Y	String	The product SKU for this purchase order item.

Success Response:

```
{
  "messageCode": "OK",
  "message": "PurchaseOrder(Item) deleted successfully.",
  "result": 20279
}
```

Error response:

```
{
  "messageCode": "NOK",
  "message": "PurchaseOrder(Item) deleted unsuccessfully.",
  "result": PurchaseOrderErrorModel(defined below)
}
```

8.4 PurchaseOrder Error handling

PurchaseOrderErrorModel Fields:

Field name	Datatype	Explanation
PurchaseOrderId	Integer	ID belonging to the affected PurchaseOrder.
PurchaseOrderError	String	Contains errors for issues on PurchaseOrder level.
PurchaseOrderItemErrors	Array of PurchaseOrderItemError Models	Contains errors or warnings regarding any provided SKUs.

PurchaseOrderItemErrorModels Fields:

Field name	Datatype	Explanation
SKU	String	SKU Provided by the user.
Status	String	NOK, WARN. Warn can be considered a success status, as Warn will usually result in a partial completion of the request which can be intended. WARN messages will only be returned if request is 400 NOK.
Message	String	Message describing the result/error of the action.

8.4.1 Error examples:

8.4.1.1 Edit & Delete:

Called with unknown PO ID:

```
{
  "messageCode": "NOK",
  "message": "PurchaseOrder(Items) processed/deleted unsuccessfully.",
  "result": {
    "PurchaseOrderId": 123456,
    "PurchaseOrderError": "PurchaseOrder ID not found.",
  }
}
```

Called with unknown SKU:

```
{
  "messageCode": "NOK",
  "message": "PurchaseOrder(Items) processed/deleted unsuccessfully or partially.",
  "result": {
    "PurchaseOrderId": 123456,
    "PurchaseOrderError": "PurchaseOrder ID not found.",
    "PurchaseOrderItemsErrors": [{
      "SKU": "1001",
      "Status": "NOK",
      "Message": "SKU not found"
    }]
  }
}
```

Called on Completed PO:

```
{
  "messageCode": "NOK",
  "message": "PurchaseOrder(Items) processed/deleted unsuccessfully.",
  "result": {
    "PurchaseOrderId": 123456,
    "PurchaseOrderError": "PurchaseOrder is already completed.",
  }
}
```

8.4.1.2 Edit only:

Called Edit on restricted fields (ExpectedDate for Yellow PO):

```
{
  "messageCode": "NOK",
  "message": "PurchaseOrder(Items) processed/deleted unsuccessfully.",
  "result": {
    "PurchaseOrderId": 123456,
    "PurchaseOrderError": "ExpectedDate cannot be edited after partial reception of products.",
    "PurchaseOrderItemsErrors": [{
      "SKU": "1001",
      "Status": "WARN",
      "Message": "SKU has been (partially) received, quantity will be set to booked value."
    }, {
      "SKU": "1002",
      "Status": "OK",
      "Message": ""
    }
  ]
}
```


9 Shipment

9.1 GetShipments & ShipmentsByOrderType

Only the shipments that are marked as 'needs to be synced' will be processed. Per request a max. of 100 shipments are returned. When processed the shipments is finished they should be marked as 'synced' with the [UpdateSyncedShipments](#) operation.

9.1.1 JSON URL GET

Type: GET
 URL: **v2**/shipment/get

9.1.2 JSON URL POST

Type: POST
 URL: **v2**/shipment/byordertype

9.1.2.1 Post Fields

Field name	Req?	Datatype	Explanation
OrderTypes	N	Array or Order Type IDs (int)	Used to indicate a subset of shipments to sync by order type. This allows you to only retrieve & sync shipments for specific order types.

9.1.3 Result Fields

Field name	Datatype	Explanation
Id	Integer	Id of the shipment
OrderNumber	Integer	Id of the order this shipment belongs to
OrderType	Integer	Id of the order type this shipment belongs to
ExternalOrderNumber	String	The external order number this shipment belongs to
ReturnPackageNumber	String	The number of the return label.
ShippingDate	DateTime	The date this shipment is going to be/has been sent off on
NumberOfColli	Integer	Number of packages for this shipment
TotalNumberOfProducts	Integer	Total amount of products being shipped in this shipment
ShippingMethodId	Integer	Id of the shipping method
ShippedColli	Array of shipped colli's	
ShippedProducts	Array of shipped products	
BasketPicURL	String	Contains an URL pointing to the basketpic.
Extra1	String	Extra information provided with Order
Extra2	String	Extra information provided with Order
Extra3	String	Extra information provided with Order
Extra4	String	Extra information provided with Order
Extra5	String	Extra information provided with Order
CurrentTrackTraceStatus	String	Available trackingstatus at time of shipment search request.

CurrentTrackTraceExceptionLevel	String	Available exception status if available.
Warehouse Abbreviation	String	Showed Warehouse Abbreviation
MainShippingMethodId	Int	Showed MainShippingMethodId from table verzendmethoden

9.1.4 ShippedProducts Fields

Field name	Datatype	Explanation
SKU	String	The product SKU
Quantity	Integer	Quantity shipped of this product
SerialNrs	Array of Strings	A list of serial numbers, if this is relevant for this product.
Weight	Decimal	Product Weight, 0 if unknown
THT	DateTime	Best Before Date, if product has one.
Extra6	String	Extra information provided with OrderItem
Extra7	String	Extra information provided with OrderItem
Lotnumber	String	The lotnumber (batchnumber) of the SKU
Parts	Array of Shipped Products	Contains part information for a shipment if this product was a bundle product.

9.1.5 Parts Fields

Parts contain the same fields as ShippedProducts, so refer to the table in 9.1.4 for more information.

9.1.6 ShippedColli Fields

Field name	Datatype	Explanation
ColloNr	String	Number of the collo
PackageNumber	String	Parcelnumber with the carrier
TrackTraceUrl	String	Track & trace url

9.2 GetLabeledShipments & LabeledShipmentsByOrderType

Only the shipments that are marked as 'have labeled state' will be processed. When processed the shipments can be marked 'synced' with the [UpdateLabeledSyncedShipments](#) operation.

9.2.1 JSON URL GET

Type: GET

URL: **v2**/shipment/get/labeled

9.2.2 JSON URL POST

Type: POST

URL: **v2**/shipment/byordertype/labeled

9.2.2.1 Post Fields

See under [9.1.2.1 Post Fields](#).

9.2.3 Result Fields

See under [9.1.3 Result Fields](#) (and following paragraphs).

9.3 UpdateSyncedShipments

9.3.1 JSON URL

Type: POST

URL: **v2**/shipment/sync

9.3.2 Input Fields

Field name	Datatype	Explanation
Ids	array van integers	Array of shipment Ids

If an invalid collection of Ids is provided, the return message will contain a list of Ids that were not found or do not belong to your company. Any Ids that were correct will NOT be processed.

9.4 UpdateLabeledSyncedShipments

9.4.1 JSON URL

Type: POST

URL: **v2**/shipment/sync/labeled

9.4.2 Input Fields

See under [9.3.2 Input Fields](#).

9.5 SearchShipment

Can return multiple shipments, depending on the criteria provided. When no fields are supplied, all shipments of the past 24 hours belonging to your company are returned.

Please minimize frequency of request.

9.5.1 JSON URL

Type: POST

URL: shipment/search

9.5.2 Input Fields

Field name	Datatype	Explanation
Id	Integer	Id of the Shipment
ExternalOrderNumber	String	You can use this field to filter shipments by External Order Number.
ShippingDate	DateTime	The shipping date you want to filter on.

9.5.3 Result Fields

Field name	Datatype	Explanation
Id	Integer	Id of the Shipment.
ExternalOrderNumber	String	The external Order number this shipment belongs to.
TrackingNumber	Integer	The Tracking Number used for this shipment.
ShippingDate	DateTime	The date this shipment is going to be/has been sent off on.
NumberOfColli	Integer	Number of packages for this shipment.
TotalNumberOfProducts	Integer	Total amount of products being shipped in this shipment.
TrackAndTraceBarcode	String	The track and trace URL belonging to the shipment.
ShippingmethodID	Integer	Id of the shippingmethod
ReturnPackageNumber	String	The number of the return label.
PackageNumber	String	The number of the shippinglabel
CurrentTrackTraceStatus	String	Available trackingstatus at time of shipment search request.
CurrentTrackTraceExceptionLevel	String	Available exception status if available.
mainshippingMethodId	Integer	Added mainShippingMethodId
Warehouse Abbreviation	String	Added warehouse abbreviation

9.5.4 ShipmentItem Fields

Field name	Datatype	Explanation
ShipmentItemId	Integer	The ID of the shipmentitem
SKU	String	The product SKU for this shipment order item.
Quantity	Integer	Total number of products in this purchase order item.

9.6 TrackTraceStatus

Returns current tracking data of shipments that are in trackable delivery. Trackable delivery means the shipment is tracked by a carrier from which we receive tracking information and hasn't been delivered* yet. (*Delivered is meant in the broad sense of the word: arrived at a pick-up point, returned to sender, delivered at addressee.)

PLEASE NOTE : We rely on external companies for this data (like the carriers). This endpoint is only to be used as extra additional information about the shipments, we cannot guarantee each and every shipment will have (correct) tracking data! Also not all carriers have tracking available

9.6.1 JSON URL

Type: GET

URL: **v2**/shipment/tracktracestatus

9.6.2 Usage

This endpoint should be consumed sparingly. It's strongly advised to limit the use to once per hour. If violated we cannot guarantee responsiveness of our services.

9.6.3 Return Fields

Returns an array in the result field containing entries with the following fields.

Field name	Datatype	Explanation
ShipmentId	Integer	Id of the Shipment
ExternalOrderNumber	String	The external Order number this shipment belongs to
PackageNumber	String	Parcelnumber with the carrier
ShipmentMethod	String	Name of the shipping method
CurrentTrackTraceStatus	Integer	Available tracking status at time of shipment search request as described in 9.4.4
CurrentTrackTraceExceptionLevel	Integer	Available exception status if available as described in 9.4.5
CurrentTrackTraceStatusDateTime	DateTime (nullable)	Time of occurrence of the tracking status. Nullable in case of old entries.

9.6.3.1 Results within a limited time range

Only results are returned for 50 days after a shipment's shipping date.

9.6.4 CurrentTrackTraceStatus codes

Code	Name
1	Labeled
2	Accepted by carrier
3	Sorted
4	In delivery
5	At pickup point
7	Delivered
8	Delivery started
10	Delivery started (1 st attempt)

18	Tracked Externally
19	Returned (at warehouse)
20	At customs (only for shipments that have to go through customs)
21	In transit (only for shipments that have to go through customs)

9.6.5 CurrentTrackTraceExceptionLevel codes

Code	Name
1	ok
2	warning
3	error

10 Stock

The stock of bundle products will be based on the stock of the underlying products.

10.1 GetStockByProductSku

10.1.1 JSON URL

Type: GET

URL: stock/get/{productSku}

10.1.2 Result Fields

Field name	Datatype	Explanation
	Integer	Either Economic stock or Free stock, based on the UseEconomicStock value in Product, set in Maya.

10.2 GetStockByProductSKU- V2

Version 2

10.2.1 JSON URL

Type: GET

URL: V2/stock/get/{productSku}

Field name	Datatype	Explanation
Name	String	The product name.
Sku	String	The product's SKU.
ProductID	Integer	Id of the product
UseEconomicStock	Integer	Either Economic stock or Available stock, based on the UseEconomicStock value in Product, set in Maya.
PhysicalStock	Integer	Number of physical stock
ExpectedStock	Integer	Number of expected stock
OrderedStock	Integer	Number of ordered stock
UnavailableStock	Integer	Number of unavailable stock
FreeStock	Integer	Number of free stock for this Sku
EconomicStock	Integer	Number of economic stock for this Sku
AvailableStock	Integer	Number of free stock minus stock stored on locations which are excluded from fulfilment
Thts	List	List of the best before dates, lotnumbers and quantities per product (based on PhyscalStock)

10.3 GetStockBulk

10.3.1 JSON URL

Type: GET

URL: stock/bulk/{allProducts}

allProducts needs to be either 'true' or 'false'.

Under normal operation 'false' needs to be specified.

'True' is only needed when performing the initial stock synchronization to force all products to be retrieved. This is an intensive operation which should only be used sparingly. When 'false' is specified only the products that are marked as 'needs to be synched' will be processed.

10.3.2 Result Fields

The result is a collection of objects containing the following information:

Field name	Datatype	Explanation
Name	String	The product name.
Sku	String	The product's SKU.
Stock	Integer	Either Economic stock or Available stock, based on the UseEconomicStock value in Product, set in Maya.
FreeStock	Integer	Number of free stock for this Sku
EconomicStock	Integer	Number of economic stock for this Sku
AvailableStock	Integer	Number of free stock minus stock stored on locations which are excluded from fulfilment
PhysicalStock	Integer	Number of physical stock
Thts	List	List of the best before dates, lotnumbers and quantities per product (based on PhyscalStock)

10.4 GetStockBulk V2

10.4.1 JSON URL

Type: GET

URL: `v2/stock/bulk?all_products=***&from=***`

10.4.2 Input Fields

Field name	Datatype	Req?	Explanation
from	String	N	ISO-8601 date and time format (time of day and time zone offset are optional). Value should be URL-encoded. When specified, only the product stock information of products with a stock mutation date equal or greater than that date are returned.
all_products	Boolean	N	True: returns product stock information for all products. False: returns product stock information for products with stock mutation date equal or greater than the default day (currently one day in the past).

Both values are optional, but if `all_products` is set to true it will take priority over `from`. When no parameters are specified stock information for all products with stock mutation date equal or greater than the default day (currently one day in the past) will be returned.

10.4.2.1 URL examples

- <https://shopapi.activeants.nl/v2/stock/bulk>
- https://shopapi.activeants.nl/v2/stock/bulk?all_products=true
- https://shopapi.activeants.nl/v2/stock/bulk?all_products=false
- <https://shopapi.activeants.nl/v2/stock/bulk?from=2022-01-01T11%3A54%3A07%2B01%3A00>
- <https://shopapi.activeants.nl/v2/stock/bulk?from=2022-01-01T11%3A54%3A07Z>
- <https://shopapi.activeants.nl/v2/stock/bulk?from=2022-01-01>
- https://shopapi.activeants.nl/v2/stock/bulk?from=2022-01-01&all_products=false

10.4.3 Result Fields

The result is a collection of objects containing the following information:

10.4.3.1 StockMutationPeriod Field

Field name	Datatype	Explanation
From	String	The date time that is lesser or equal to the stock mutation time of the products. This is the date time supplied in the request.
To	String	The date time that is greater than the stock mutation time of the products. This date time

		should be used as from value in the successive request.
--	--	---

10.4.3.2 Stock field

Collection of all the products with a stock mutation date time between the 'from' and 'to'.

Field name	Datatype	Explanation
Name	String	The product name.
Sku	String	The product's SKU.
Stock	Integer	Either Economic stock or Free stock, based on the UseEconomicStock value in Product, set in Maya.
FreeStock	Integer	Number of free stock for this Sku
EconomicStock	Integer	Number of economic stock for this Sku
AvailableStock	Integer	Number of free stock minus stock stored on locations which are excluded from fulfilment
PhysicalStock	Integer	Number of physical stock
UnavailableStock	Integer	Number of unavailable stock
ExpectedStock	Integer	Number of expected stock
Thts	List	List of the best before dates, lotnumbers and quantities per product (based on PhyscalStock)

11 StockMutation

11.1 GetStockMutations

11.1.1 JSON URL

Type: GET

URL: **v2**/stockmutation/get

Only the stockmutations that are marked as 'need to be synced' will be processed. Only mutations of the last 7 days are shown. Shipments are excluded, they should be obtained with the GetShipments operation. When processed the stockmutations can be marked 'synced' with the UpdateSyncedStockMutations operation. Keep in mind that returns of damaged goods cannot be retrieved through this function, as they are not added to stock but discarded. This means there won't be a StockMutation associated with this return.

11.1.2 Result Fields

Field name	Datatype	Explanation
Id	Integer	Id of the Stock Mutation
SKU	String	
Quantity	Integer	
Type	Integer	Type of mutation: 1 = Received goods 3 = Returned goods 4 = Correction 5 = Composed products
CorrectionReason	String	Only filled with type 'correction'. Reason of correction
Remark	String	Only filled with type 'correction' or 'returned goods'
CreatedAt	DateTime	
ThtDate	DateTime	THT Date (if applicable)
PurchaseOrders	Array of PurchaseOrders	Only filled with type 'received goods'
SupplierId	Integer	Only filled with type 'received goods'
ShippingId	Integer	Only filled with type 'returned goods'
OrderNumber	Integer	Only filled with type 'returned goods'
ExternalOrderNumber	String	Only filled with type 'returned goods'
ReturnReason	String	Only filled with type 'returned goods'
LotNumber	String	Lot number (if applicable)
WarehouseCode	String	The code for the warehouse where the item was moved to
LocationType	String	Only filled if it corresponds with a type of location, otherwise null. Example classifications are: AUTOSTORE, SPECIAL, PALLET, PICKABLE, COOLED, OUTBOUND, INBOUND, RETURN, TRANSFER, SECURED, INSERTS

11.1.3 PurchaseOrders fields

PurchaseOrderId	Integer	Contains the purchase order Id
PurchaseOrderReference	String	Contains the purchase order reference
PurchaseOrderRemark	String	Any comments entered for this purchase order will be listed here.

11.2 UpdateSyncedStockMutations

11.2.1 JSON URL

Type: POST
 URL: **v2**/stockmutation/sync

11.2.2 Input Fields

Field name	Datatype	Explanation
Ids	array van integers	Array of stockmutation Ids.

If an invalid collection of Ids is provided, the return message will contain a list of Ids that were not found or do not belong to your company. Any Ids that were correct will NOT be processed in this event.

12 Return Label

Download the return label for a shipment.

Prior to this call SearchShipment (0) can be used to search for a shipmentID

12.1.1 JSON URL

Type: GET

URL: v2/returnlabel/get

12.1.2 Fields

Field name	Datatype	Explanation
ShipmentID	Integer	Id of the shipment
ShippingMethodId	Integer	For list : GetSettings (optional)
Paperless	Boolean	<p>Query parameter specifying whether or not a paperless return shipping method should be used for returning the return label file.</p> <p>If set to true an image file will be returned with the barcode customers can use at service points to have their return labels printed.</p> <p>If set to false paperless return methods will be excluded from being used to generate the return label.</p> <p>If omitted the best return method will be used to generate the return label disregarding whether or not its paperless.</p> <p>NOTE: Your company has have paperless return shipping methods configured to be able to utilize this feature</p>

12.1.3 Result Fields

Field name	Datatype	Explanation
Data	String	
MimeType	String	Application/pdf or Image/png if paperless = true
FileName	String	Name of the file
shippingMethodId	String	ShippingMethodID of the return label
packageNumber	String	packageNumber of the return label

13 RMA

13.1 Add RMA

13.1.1 JSON URL

Type: POST

URL: **v2/RMA/add**

13.1.2 Fields

Field name	Datatype	Explanation
ShipmentId	Integer	The ID of the Shipment
Remark	String	Optional: content in commentfield
ExternalReference	String	Optional: external reference that can be used freely by the API user

13.1.3 Shipment Item Fields

Rmaltems

Field name	Datatype	Explanation
ShipmentItemId	Integer	The ID of the ShipmentItem
Quantity	Integer	Total number of products in the shipment item order
ReturnReasonId	Integer	The ID of the ReturnReason
ExternalReference	String	Optional: external reference that can be used freely by the API user
Metadata	JSON object	Optional: a list of key/value (String) pairs that can be used freely by the API user.

13.1.4 Result Fields

Field name	Datatype	Explanation
Id	Integer	ID of the created RMA

14 Returninformation

14.1.1 JSON URL

Type: POST

URL: **v2**/returnitem/get

The request must be done by either posting an external ordernumber or a time path. Active Ants' result will have a maximum of 1000 returnitems per post.

Field name	Datatype	Explanation
ExternalOrderNumber	Integer	Optional, to get data from a specific external ordernumber
Starttime	datetime	Optional, date time returnitems from
Endtime	datetime	Optional, date time returnitems to

14.1.2 Result Fields

Field name	Datatype	Explanation
ReturnID	Integer	
ReturnDate	Datetime	Date time of the returned item
ExternalOrderNumber	String	The external order number this returnitem belongs to
Sku	String	The product SKU
Quantity	Integer	Quantity shipped of this product
Type	String	Defines the condition
ReturnReasonId	Integer	The ID of the ReturnReason
ReturnReason	String	Description of the Return Reason
Comment	String	Comment related to the returnitem
Porti	String	Description of the used Porti
ReturnShippingMethod	String	Description of the used return shipping method
ReDeliver	Boolean	Default false
Ordertype	String	Ordertype of the ExternalOrderNumber
Rma	RmaModel	ExternalReference (String): reference of the Rma that was supplied when the Rma was added.
Rmaltem	RmaltemModel	ExternalReference (String): reference of the Rmaltem that was supplied when the Rma was added. Metadata (JSON object): metadata of the Rmaltem that was supplied when the Rma was added.