



SAP OData Service Guide

| Jira | NEWASK-13775 |
|-------------|---|
| Description | APO - SWO : New API check and validate orders |
| System | DA2 |

Version history:

| Version | Date | Author | Validated by | Validation date |
|---------|------------|-------------|--------------|-----------------|
| 1.0 | 10/11/2023 | Tiago Conde | | |
| 1.1 | 01/12/2023 | Tiago Conde | | |
| 1.2 | 22/12/2023 | Tiago Conde | | |

Table of content

| Context | 0 |
|-------------------------------|---|
| Guide | 1 |
| Impacted objects | 6 |
| Tests | 7 |
| Impacts | 7 |
| Planning | 8 |
| Prerequisites | 8 |
| Hypothesis | 8 |
| Quotation | 8 |
| Prerequisites | 8 |
| Hypothesis | 8 |
| Synthesis of charges and cost | 8 |



1. Context

https://decathlon.atlassian.net/browse/NEWASK-13775

2. Guide

Hosts:

| SAP System | Internal | External |
|------------|--|--------------------------------|
| DA2 | https://da2aas01.nl.gcp.dktinfra.cloud:44302 | https://sapda2.pp.dktapp.cloud |
| QA2 | https://qa2aas01.nl.gcp.dktinfra.cloud:44302 | https://sapqa2.pp.dktapp.cloud |
| RA2 | | |

SAP Gateway Project: ZAPLA_SWO_ORDER

Metadata url: <host>/sap/opu/odata/sap/ZAPLA_SWO_ORDER_SRV/\$metadata

Operations:

Check:

```
Path: <host>/sap/opu/odata/sap/ZAPLA_SWO_ORDER_SRV/planned_delivery_orders_check Method: POST
```

Return code: 201

Example: /sap/opu/odata/sap/ZAPLA_SWO_ORDER_SRV/planned_delivery_orders_check

Header: accept/application/json

```
Body:
```

Response:



La force de l'engagement™

```
"d" : {
   "orders" : {
    "results" : [
      "partner_request_number": "",
      "partner_gln": "123456789",
      "item_code": "123456789",
      "requested_delivery_date": "2023-01-01",
      "requested quantity": 111,
      "destination_description": "CAC ROUVIGNIES",
      "minimum_delivery_quantity": 1,
      "adjusted_delivery_date": "2023-01-01",
      "is_delivery_date_accepted": true,
      "adjusted_quantity": 222,
      "is quantity accepted": false,
      "is_request_accepted": false
     }
```

Create:

```
Path: <host>/sap/opu/odata/sap/ZAPLA_SWO_ORDER_SRV/planned_delivery_orders
Method: POST
Return code: 201

Example: /sap/opu/odata/sap/ZAPLA_SWO_ORDER_SRV/planned_delivery_orders_check
Header: accept/application/json

Body:

{
    "orders": [
        {
            "partner_request_number": "123456789",
            "partner_gln": "123456789",
            "requested_delivery_date": "2023-01-01",
            "requested_quantity": 111
        }
    }
}

Response:

{
    "d": {
```



La force de l'engagement^{MD}

```
"orders" : {
    "results" : [
      {
          "partner_request_number" : "123456789",
          "partner_gln" : "123456789",
          "item_code" : "123456789",
          "requested_delivery_date" : "2023-01-01",
          "requested_quantity" : 111,
          "destination_description" : "CAC ROUVIGNIES",
          "minimum_delivery_quantity" : 1,
          "adjusted_delivery_date" : "2023-01-01",
          "is_delivery_date_accepted" : true,
          "adjusted_quantity" : 222,
          "is_quantity_accepted" : false,
          "is_request_accepted" : false
        }
     ]
     }
}
```

Delete:

Path: <host>/sap/opu/odata/sap/ZAPLA_SWO_ORDER_SRV/planned_delivery_orders

Method: DELETE Return code: 204

Example: /sap/opu/odata/sap/ZAPLA_SWO_ORDER_SRV/planned_delivery_orders('1234567890')

Response: empty

Errors:

Return code: 400

Response:

```
{
  "error" : {
    "code" : "ZAPLA_SWO/001",
    "message" : {
      "lang" : "en",
      "value" : "GLN Partner Number is empty."
    },
    "innererror" : {...}
}
```

| Error Code | Error Text |
|---------------|------------------------------|
| ZAPLA_SWO/001 | GLN Partner Number is empty. |



| ZAPLA_SWO/002 | Item code is empty. |
|---------------|---|
| ZAPLA_SWO/003 | Requested Delivery Date is empty. |
| ZAPLA_SWO/004 | Requested Quantity is empty. |
| ZAPLA_SWO/005 | Order is already converted into a Purchase Order. Contact your support. |
| ZAPLA_SWO/006 | No orders found on APO. Contact your support. |
| ZAPLA_SWO/007 | Error occurred when deleting orders on APO. Contact your support. |
| ZAPLA_SWO/008 | Multiple Entry Points found for the Product &1. Contact your support. |
| ZAPLA_SWO/009 | No Entry Point found for the Product &1. Contact your support. |
| ZAPLA_SWO/010 | Multiple Vendor Plant found for the Product &1. Contact your support. |
| ZAPLA_SWO/011 | No Vendor Plant found for the Product &1. Contact your support. |
| ZAPLA_SWO/012 | No Transportation Lane found. Contact your support. |
| ZAPLA_SWO/013 | Multiple Transportation Lane found. Contact your support. |
| ZAPLA_SWO/014 | An error occurs during the creation of orders. Contact your support. |
| ZAPLA_SWO/015 | Partner Request Number has already been created on APO. |
| ZAPLA_SWO/016 | Partner Request Number is empty. |
| ZAPLA_SWO/017 | No input data found. |
| ZAPLA_SWO/018 | No data found on SWO Entry Point Mapping Table. Contact your support. |
| ZAPLA_SWO/019 | Requested Delivery Date is invalid. |
| ZAPLA_SWO/020 | Error updating table ZAPLA_SWO. Contact your support. |
| ZAPLA_SWO/021 | Error updating table ZADAP_FIRM_DO. Contact your support. |
| ZAPLA_SWO/022 | Item code is invalid. |

Testing:

Transaction: /n/IWFND/GW_CLIENT

Check:

HTTP Method: POST

Request Uri:

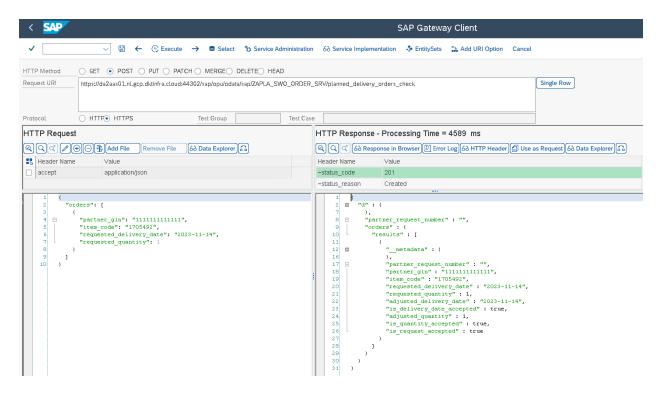
https://da2aas01.nl.gcp.dktinfra.cloud:44302/sap/opu/odata/sap/ZAPLA_SWO_ORDER_SRV/planned_de

livery orders check Protocol: HTTPS



Header: accept:application/json

Return code: 201



Create:

HTTP Method: POST

Request Uri:

https://da2aas01.nl.gcp.dktinfra.cloud:44302/sap/opu/odata/sap/ZAPLA_SWO_ORDER_SRV/planned_de_livery_anders

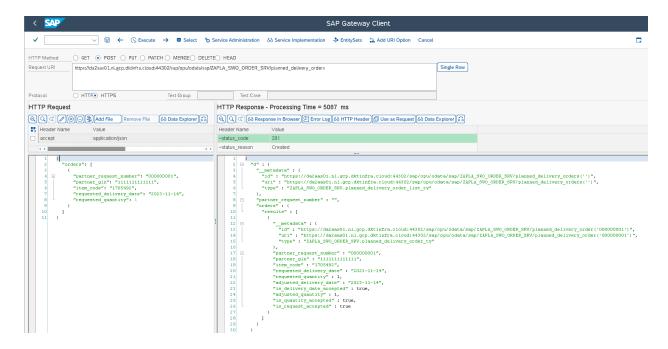
livery orders
Protocol: HTTPS

Header: accept:application/json

Return code: 201



La force de l'engagement™



Delete:

HTTP Method: DELETE

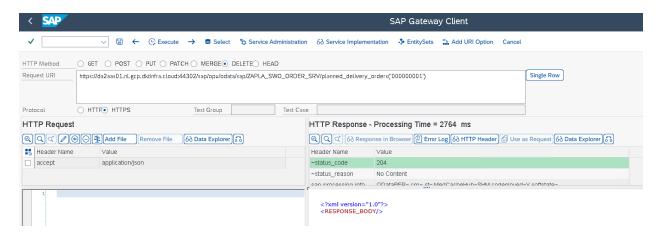
Request Uri:

https://da2aas01.nl.gcp.dktinfra.cloud:44302/sap/opu/odata/sap/ZAPLA_SWO_ORDER_SRV/planned_de

<u>livery_orders</u>
Protocol: HTTPS

Header:

accept:application/json Return code: 204

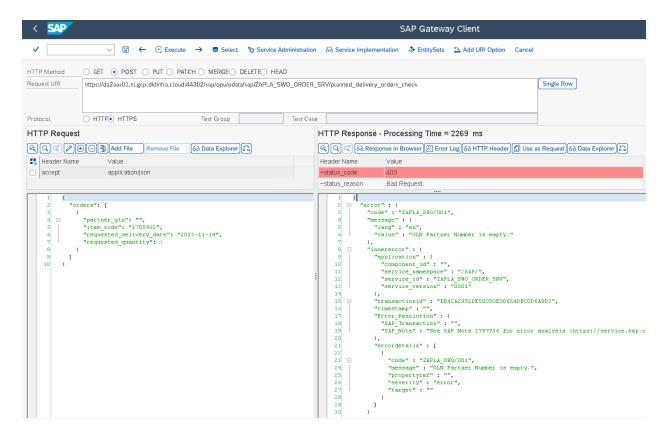


Errors:

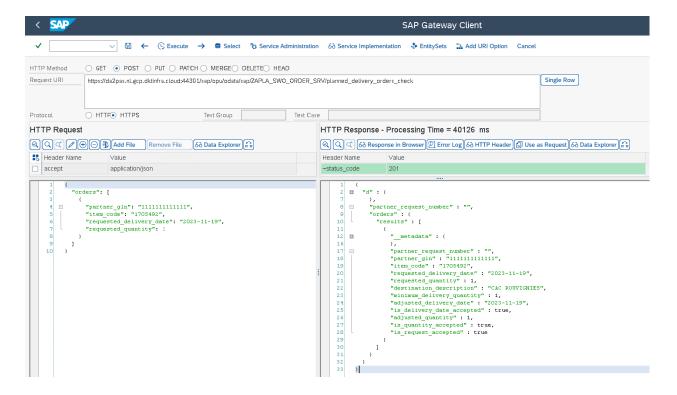
Return code: 400



La force de l'engagement™



Version v1.01: New fields destination_description and minimum_delivery_quantity.





Version v1.2: new input/output structure

Input:

```
{
   "partner_request_number": "1234567890",
   "partner_gln": "VADA0027839",
   "item_lines":[{
        "item_code": "2467489",
        "requested_delivery_date": "2023-11-30",
        "requested_quantity": 10000
   }]
}
```

Output:



La force de l'engagement^{MD}

```
"d" : {
     },
      "partner request number" : "1234567890",
"partner_gln" : "VADA0027839",
      "destination description" : "Walmart Port Shangai",
      "is request accepted" : true,
      "item lines" : {
        "results" : [
         {
+
            " metadata": {
"partner request number" : "1234567890",
            "item code" : "1",
            "requested_delivery_date" : "2023-11-30",
            "requested quantity" : 10000,
            "minimum delivery quantity" : 0,
            "adjusted delivery date" : "",
            "is delivery date accepted" : false,
            "adjusted quantity" : 55,
            "is quantity accepted" : true
          },
+
            " metadata": {
            "partner_request_number" : "1234567890",
            "item code" : "2",
            "requested_delivery_date" : "2023-11-30",
            "requested quantity": 20000,
            "minimum delivery quantity" : 0,
            "adjusted delivery date" : "",
            "is delivery date accepted" : false,
            "adjusted quantity": 44,
            "is quantity accepted" : true
       ]
      }
```

3. Impacted objects

| Object to update / create | Action | Complexity |
|-------------------------------|--------|------------|
| ZAPLA_SWO_ORDER (SAP Gateway) | | |



- 4. Tests
- 5. Impacts
- 6. Planning

Prerequisites

Hypothesis

7. Quotation

Prerequisites

Hypothesis

Synthesis of charges and cost