

uMarketplace Vendor API Add-on

Introduction

The Vendor API add-on extends Magento 2 REST/Soap API and allow vendors utilize it to pull/update Purchase Orders information and update inventory data. To get more technical details check:

1. `app\code\Unirgy\DropshipApi\etc\webapi.xml` - list of entry points for API calls
2. `app\code\Unirgy\DropshipApi\Api\Data` - data type interfaces used in API
3. `app\code\Unirgy\DropshipApi\Api\InventoryManagementInterface.php` - interface for possible inventory operations
4. `app\code\Unirgy\DropshipApi\Api\UdpoManagementInterface.php` - interface for possible operations on Purchase Orders

Authentication

In order to perform API operations vendor need authentication. System use Token-based authentication by vendor email/password. Before doing actual API calls vendor need to get authentication token by doing post to `/V1/integration/admin/token` with json encoded array of username, password. Response of that POST will be 32 bit token that need to be used for further API calls in Authorization request header with the Bearer HTTP authorization scheme to prove vendor identity. More information is available here

<http://devdocs.magento.com/guides/v2.0/get-started/authentication/gs-authentication-token.html>

Example:

```
POST http://magento.loc/index.php/rest/V1/integration/admin/token
{"username":"<vendor email>","password":"<vendor password>"}
```

RESPONSE "xxxxxxxx 32 bit token xxxxxxxx"

Get list of Vendor Purchase Orders (possible to filter)

In order to get list of Purchase Orders perform `/V1/udpos` GET API call. It expect searchCriteria as parameter. More details on how to construct the filter check can be found here

<http://devdocs.magento.com/guides/v2.1/rest/performing-searches.html>

Example:

```
GET
http://magento.loc/index.php/rest/V1/udpos?searchCriteria[filter_groups][0][filters][0][field]=created_at&searchCriteria[filter_groups][0][filters][0][value]=2016-07-01+00:00:00&searchCriteria[filter_groups][0][filters][0][condition_type]=gt
```

RESPONSE

```
{
  "items": [{
    "billing_address_id": 14,
    "created_at": "2018-03-02 18:33:51",
    "customer_id": 2,
    "email_sent": 0,
    "entity_id": 1,
    "increment_id": "000000012-1",
    "order_id": 12,
    "udropship_status": 9,
    "shipping_address_id": 13,
    "store_id": 1,
    "total_qty": 4,
    "total_weight": 0,
    "updated_at": "2018-03-12 09:05:41",
    "items": [{
      "entity_id": 1,
      "name": "Push It Messenger Bag",
      "parent_id": 1,
      "price": 56.81,
      "product_id": 14,
      "row_total": 170.43,
      "sku": "24-WB04",
      "order_item_id": 12,
      "qty": 3
    }, {
      "entity_id": 2,
      "name": "Fusion Backpack",
      "parent_id": 1,
      "price": 69.98,
      "product_id": 6,
      "row_total": 69.98,
      "sku": "24-MB02",
      "order_item_id": 13,
      "qty": 1
    }
  ]},
  "comments": [{
    "is_customer_notified": null,
    "parent_id": 1,
    "comment": "[vendor1 changed PO status from 'Ready to Ship' to 'Acknowledged']",
    "is_visible_on_front": null,
    "created_at": "2018-03-12 09:05:41",
    "entity_id": 3
  }, {
    "is_customer_notified": null,
    "parent_id": 1,
    "comment": "vendor1: Test API Comment with status change",
  }
  ]
}
```

```
    "is_visible_on_front": null,
    "created_at": "2018-03-12 09:05:41",
    "entity_id": 4
  }, {
    "is_customer_notified": null,
    "parent_id": 1,
    "comment": "vendor1: Test API Comment",
    "is_visible_on_front": null,
    "created_at": "2018-03-12 09:05:16",
    "entity_id": 2
  }, {
    "is_customer_notified": null,
    "parent_id": 1,
    "comment": "[vendor1 changed PO status from 'Pending' to 'Ready to Ship']",
    "is_visible_on_front": null,
    "created_at": "2018-03-02 18:34:08",
    "entity_id": 1
  ]
}, {
  "billing_address_id": 16,
  "created_at": "2018-03-12 08:47:24",
  "customer_id": 2,
  "email_sent": 0,
  "entity_id": 2,
  "increment_id": "000000013-1",
  "order_id": 13,
  "udropship_status": 0,
  "shipping_address_id": 15,
  "store_id": 1,
  "total_qty": 6,
  "total_weight": 4,
  "updated_at": "2018-03-12 08:47:24",
  "items": [{
    "entity_id": 3,
    "name": "Orestes Yoga Pant ",
    "parent_id": 2,
    "price": 82.74,
    "product_id": 859,
    "row_total": 82.74,
    "sku": "MP10-32-Blue",
    "weight": 1,
    "order_item_id": 14,
    "qty": 1
  }, {
    "entity_id": 4,
    "name": "Orestes Yoga Pant -32-Blue",
    "parent_id": 2,
    "price": 0,
    "product_id": 848,
    "sku": "MP10-32-Blue",
```

```
    "weight": 1,
    "order_item_id": 15,
    "qty": 1
  }, {
    "entity_id": 5,
    "name": "Helios Endurance Tank",
    "parent_id": 2,
    "price": 25.88,
    "product_id": 681,
    "row_total": 25.88,
    "sku": "MT04-S-Blue",
    "weight": 1,
    "order_item_id": 16,
    "qty": 1
  }, {
    "entity_id": 6,
    "name": "Helios Endurance Tank-S-Blue",
    "parent_id": 2,
    "price": 0,
    "product_id": 677,
    "sku": "MT04-S-Blue",
    "weight": 1,
    "order_item_id": 17,
    "qty": 1
  }, {
    "entity_id": 7,
    "name": "Inez Full Zip Jacket",
    "parent_id": 2,
    "price": 59.22,
    "product_id": 1305,
    "row_total": 59.22,
    "sku": "WJ07-M-Red",
    "weight": 1,
    "order_item_id": 18,
    "qty": 1
  }, {
    "entity_id": 8,
    "name": "Inez Full Zip Jacket-M-Red",
    "parent_id": 2,
    "price": 0,
    "product_id": 1298,
    "sku": "WJ07-M-Red",
    "weight": 1,
    "order_item_id": 19,
    "qty": 1
  }, {
    "entity_id": 9,
    "name": "Maxima Drawstring Short",
    "parent_id": 2,
    "price": 27.19,
    "product_id": 1940,
```

```
    "row_total": 27.19,  
    "sku": "WSH02-29-Yellow",  
    "weight": 1,  
    "order_item_id": 20,  
    "qty": 1  
  }, {  
    "entity_id": 10,  
    "name": "Maxima Drawstring Short-29-Yellow",  
    "parent_id": 2,  
    "price": 0,  
    "product_id": 1930,  
    "sku": "WSH02-29-Yellow",  
    "weight": 1,  
    "order_item_id": 21,  
    "qty": 1  
  }, {  
    "entity_id": 11,  
    "name": "Savvy Shoulder Tote",  
    "parent_id": 2,  
    "price": 35.25,  
    "product_id": 10,  
    "row_total": 35.25,  
    "sku": "24-WB05",  
    "order_item_id": 22,  
    "qty": 1  
  }, {  
    "entity_id": 12,  
    "name": "Compete Track Tote",  
    "parent_id": 2,  
    "price": 39.5,  
    "product_id": 9,  
    "row_total": 39.5,  
    "sku": "24-WB02",  
    "order_item_id": 23,  
    "qty": 1  
  }  
],  
"comments": []  
}, {  
  "billing_address_id": 18,  
  "created_at": "2018-03-12 08:47:25",  
  "customer_id": 2,  
  "email_sent": 0,  
  "entity_id": 3,  
  "increment_id": "000000014-1",  
  "order_id": 14,  
  "udropship_status": 0,  
  "shipping_address_id": 17,  
  "store_id": 1,  
  "total_qty": 4,  
  "total_weight": 0,  
  "updated_at": "2018-03-12 08:47:25",
```

```
"items": [{
  "entity_id": 13,
  "name": "Push It Messenger Bag",
  "parent_id": 3,
  "price": 56.81,
  "product_id": 14,
  "row_total": 56.81,
  "sku": "24-WB04",
  "order_item_id": 24,
  "qty": 1
}, {
  "entity_id": 14,
  "name": "Overnight Duffle",
  "parent_id": 3,
  "price": 37.39,
  "product_id": 13,
  "row_total": 37.39,
  "sku": "24-WB07",
  "order_item_id": 25,
  "qty": 1
}, {
  "entity_id": 15,
  "name": "Driven Backpack",
  "parent_id": 3,
  "price": 31.39,
  "product_id": 12,
  "row_total": 31.39,
  "sku": "24-WB03",
  "order_item_id": 26,
  "qty": 1
}, {
  "entity_id": 16,
  "name": "Endeavor Daytrip Backpack",
  "parent_id": 3,
  "price": 29.11,
  "product_id": 11,
  "row_total": 29.11,
  "sku": "24-WB06",
  "order_item_id": 27,
  "qty": 1
}],
"comments": []
}, {
  "billing_address_id": 20,
  "created_at": "2018-03-12 08:47:29",
  "customer_id": 2,
  "email_sent": 0,
  "entity_id": 4,
  "increment_id": "000000015-1",
  "order_id": 15,
  "udropship_status": 0,
```

```
"shipping_address_id": 19,
"store_id": 1,
"total_qty": 4,
"total_weight": 0,
"updated_at": "2018-03-12 08:47:29",
"items": [{
  "entity_id": 17,
  "name": "Push It Messenger Bag",
  "parent_id": 4,
  "price": 56.81,
  "product_id": 14,
  "row_total": 56.81,
  "sku": "24-WB04",
  "order_item_id": 28,
  "qty": 1
}, {
  "entity_id": 18,
  "name": "Overnight Duffle",
  "parent_id": 4,
  "price": 37.39,
  "product_id": 13,
  "row_total": 37.39,
  "sku": "24-WB07",
  "order_item_id": 29,
  "qty": 1
}, {
  "entity_id": 19,
  "name": "Driven Backpack",
  "parent_id": 4,
  "price": 31.39,
  "product_id": 12,
  "row_total": 31.39,
  "sku": "24-WB03",
  "order_item_id": 30,
  "qty": 1
}, {
  "entity_id": 20,
  "name": "Endeavor Daytrip Backpack",
  "parent_id": 4,
  "price": 29.11,
  "product_id": 11,
  "row_total": 29.11,
  "sku": "24-WB06",
  "order_item_id": 31,
  "qty": 1
}],
"comments": []
}],
"search_criteria": {"filter_groups": []},
"total_count": 4
}
```

Get Single Purchase Order Info

In order to get single Purchase Order information perform `V1/udpo/:id` GET API call. `:id` parameter could be either Purchase Order entity id or it's increment id.

Example:

```
GET http://magento.loc/index.php/rest/V1/udpo/000000012-1
```

RESPONSE

```
{
  "billing_address_id": 14,
  "created_at": "2018-03-02 18:33:51",
  "customer_id": 2,
  "email_sent": 0,
  "entity_id": 1,
  "increment_id": "000000012-1",
  "order_id": 12,
  "udropship_status": 9,
  "shipping_address_id": 13,
  "store_id": 1,
  "total_qty": 4,
  "total_weight": 0,
  "updated_at": "2018-03-12 09:05:41",
  "items": [{
    "entity_id": 1,
    "name": "Push It Messenger Bag",
    "parent_id": 1,
    "price": 56.81,
    "product_id": 14,
    "row_total": 170.43,
    "sku": "24-WB04",
    "order_item_id": 12,
    "qty": 3
  }, {
    "entity_id": 2,
    "name": "Fusion Backpack",
    "parent_id": 1,
    "price": 69.98,
    "product_id": 6,
    "row_total": 69.98,
    "sku": "24-MB02",
    "order_item_id": 13,
    "qty": 1
  }],
  "comments": [{
    "is_customer_notified": null,
    "parent_id": 1,
    "comment": "[vendor1 changed PO status from 'Ready to Ship' to
```



```
'Acknowledged']",
  "is_visible_on_front": null,
  "created_at": "2018-03-12 09:05:41",
  "entity_id": 3
}, {
  "is_customer_notified": null,
  "parent_id": 1,
  "comment": "vendor1: Test API Comment with status change",
  "is_visible_on_front": null,
  "created_at": "2018-03-12 09:05:41",
  "entity_id": 4
}, {
  "is_customer_notified": null,
  "parent_id": 1,
  "comment": "vendor1: Test API Comment",
  "is_visible_on_front": null,
  "created_at": "2018-03-12 09:05:16",
  "entity_id": 2
}, {
  "is_customer_notified": null,
  "parent_id": 1,
  "comment": "[vendor1 changed PO status from 'Pending' to 'Ready to
Ship']",
  "is_visible_on_front": null,
  "created_at": "2018-03-02 18:34:08",
  "entity_id": 1
}]
}
```

Get Purchase Order Comments List

In order to get list of Purchase Order comments perform `/V1/udpo/:id/comments` GET API call. `:id` parameter could be either Purchase Order entity id or it's increment id.

Example:

```
GET http://magento.loc/index.php/rest/V1/udpo/000000012-1/comments
```

RESPONSE

```
{
  "items": [{
    "is_customer_notified": null,
    "parent_id": 1,
    "comment": "[vendor1 changed PO status from 'Pending' to 'Ready to
Ship']",
    "is_visible_on_front": null,
    "created_at": "2018-03-02 18:34:08",
    "entity_id": 1
  }
]
```

```
}, {
  "is_customer_notified": null,
  "parent_id": 1,
  "comment": "vendor1: Test API Comment",
  "is_visible_on_front": null,
  "created_at": "2018-03-12 09:05:16",
  "entity_id": 2
}, {
  "is_customer_notified": null,
  "parent_id": 1,
  "comment": "[vendor1 changed PO status from 'Ready to Ship' to
'Acknowledged']",
  "is_visible_on_front": null,
  "created_at": "2018-03-12 09:05:41",
  "entity_id": 3
}, {
  "is_customer_notified": null,
  "parent_id": 1,
  "comment": "vendor1: Test API Comment with status change",
  "is_visible_on_front": null,
  "created_at": "2018-03-12 09:05:41",
  "entity_id": 4
}],
"search_criteria": {
  "filter_groups": [{
    "filters": [{
      "field": "parent_id",
      "value": "1",
      "condition_type": "eq"
    }]
  }]
},
"total_count": 4
}
```

Add comment to Purchase Order

In order to add comment to Purchase Order perform `/V1/udpo/:id/addComment` POST API call. `:id` parameter could be either Purchase Order entity id or it's increment id. Request payload expect comment string parameter and optional status parameter. For possible values check `app\code\Unirgy\DropshipPo\Model\Source.php` **UDPO_STATUS_*** string constants. It return bool true on success and may rise exception if PO not found or does not belong to vendor.

Example:

POST <http://magento.loc/index.php/rest/V1/udpo/000000012-1/addComment>
{`"comment": "Test API Comment", "status": 9`}

RESPONSE true

Add tracking number to Purchase Order

In order to add tracking number to Purchase Order perform `/V1/udpo/:id/addTrack` POST API call. `:id` parameter could be either Purchase Order entity id or it's increment id. Request payload expect carrier code in `carrier` string parameter, carrier title in `title` parameter and tracking number in `trackNumber` parameter. It return bool true on success and may rise exception if PO not found or does not belong to vendor.

Example:

```
POST http://magento.loc/index.php/rest/V1/udpo/000000012-1/addTrack
{"carrier": "ups", "title": "UPS", "trackNumber": "UPS12345"}
```

RESPONSE true

Delete tracking number from Purchase Order

In order to delete tracking number from Purchase Order perform `/V1/udpo/:id/deleteTrack/:trackNumber` POST API call. `:id` parameter could be either Purchase Order entity id or it's increment id, `:trackNumber` should be tracking number. It return bool true on success and may rise exception if PO not found or does not belong to vendor and if tracking number not found within PO.

Example:

```
POST
http://magento.loc/index.php/rest/V1/udpo/000000012-1/deleteTrack/UPS12345
[]
```

RESPONSE true

Perform Inventory update

Vendors can use `/V1/udstock/update` POST API calls to update their products inventory (products offers, when Multivendor add-on is used). Request payload expect **items** parameter which should be array of arrays (later one contain single offer data details). Each offer detail can have following parameters:

- sku
- priority
- carrier_code
- vendor_sku
- vendor_cost
- stock_qty
- stock_qty_add
- backorders
- status
- shipping_price

- vendor_title
- state
- state_descr
- freeshipping
- vendor_price
- special_price
- specialFromDate
- specialToDate

But only **sku** or **vendor_sku** are required. When not using Multivendor add-on it's possible to use only this keys in offer details array **sku**, **vendor_sku**, **stock_qty**, **stock_qty_add**

Response of API call will contain string information of how many items were updated and errors list at the end if any.

Example:

```
POST http://magento.loc/index.php/rest/V1/udstock/update/
{
  "items": [
    {
      "sku": "24-MB01",
      "vendor_sku": "v2-24-MB01",
      "stock_qty": "11"
    },
    {
      "vendor_sku": "v2-24-MB04",
      "stock_qty": "22"
    },
    {
      "vendor_sku": "not-existing-vendor-sku",
      "stock_qty": "22"
    },
    {
      "sku": "not-existing-sku",
      "vendor_sku": "not-existing-vendor-sku",
      "stock_qty": "22"
    }
  ]
}
```

RESPONSE

```
"Updated 2 items of 4: (Product not found for vendor sku "not-existing-vendor-sku", Product not found for sku "not-existing-sku")"
```

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