
emBlue Magento 2 Connector Documentation

Release 0.1.0

Summa Solutions

May 18, 2021

Contents:

1	Installation	1
1.1	Requirements	1
1.2	Composer Installation	1
1.3	Module Setup	1
2	Configuration	3
2.1	Setup Credentials	3
2.2	Map Attributes	5
3	API	7
3.1	Connecting to the API	7
3.2	Endpoints	8
4	Testing	31
4.1	Swagger	31

1.1 Requirements

- Magento 2 Installation

Edition	Version(s)
Open Source Edition	2.3.0
Commerce Edition	2.1.9
Cloud Edition	2.3.0

1.2 Composer Installation

Install the module by running:

```
composer require emblue_marketing_cloud/magento2-connector
```

1.3 Module Setup

Once the module is installed then it needs to be enabled by running:

```
bin/magento module:enable Emblue_Connector
```


2.1 Setup Credentials

In order to setup the module, first create a new integration in Magento Admin.

To do that follow these steps:

Go to **System > Integrations** in the admin panel.

Then click in **Add New Integration**

Setup the new integration, and in the **API** tab set the permissions at least with the ones displayed in the image below.

Resource Access

Custom ▼

Resources

- ▲ Dashboard
- ▶ Analytics
- ▲ Sales
 - ▲ Operations
 - ▶ Orders
 - ▲ Invoices
 - ▲ Shipments
 - ▲ Dispatches
 - ▲ Pickups
 - ▲ Batches
 - ▲ Credit Memos
 - ▶ Billing Agreements
 - ▶ Transactions
 - ▶ Catalog
 - ▲ Customers
 - ▲ All Customers
 - ▲ Now Online
 - ▲ Customer Groups
 - ▲ Carts
 - ▲ Manage carts
 - ▲ My Account
 - ▲ Marketing
 - ▲ Promotions
 - ▲ Catalog Price Rule
 - ▲ Cart Price Rules
 - ▲ Dotmailer Automation
 - ▲ Automation Studio
 - ▲ Exclusion Rules
 - ▲ Communications
 - ▲ Email Templates
 - ▲ Newsletter Template
 - ▲ Newsletter Queue
 - ▲ Newsletter Subscribers
 - ▲ SEO & Search
 - ▲ Search Terms
 - ▲ Search Synonyms
 - ▲ URL Rewrites
 - ▲ Site Map
 - ▲ User Content
 - ▲ Reviews
 - ▲ Reviews

Then click on **Save** button and in the list click in the **Activate** link.

Get the credentials list and set that up in the emBlue panel

emBlue ✕

Done

Integration Tokens for Extensions

Consumer Key	t3u06jrcxwy6o83vm00323icsb44udd1
Consumer Secret	d39y6e6aoe1is5uo3sxzxe9jd3q4sa7b
Access Token	l7z3erzbqrgx5hbhr5cxi99vil68oe6s
Access Token Secret	9k5yutzpbe589zxk09jd5ewxpsvemhei

2.2 Map Attributes

Emblue needs **payments** and **interest rate** in some scenarios, and since those attributes are not part Magento installation you need to setup to correct attribute mapping for those values.

In order to do so, you have enter to **Store > Configuration** and then **Emblue > General**

There you have to select which attribute maps to *payments* and *interest rate* respectively:

Configuration

Store View: Default Config ?

- GENERAL ▾
- CATALOG ▾
- CUSTOMERS ▾
- SALES ▾
- EMBLUE ▴
- General

Attributes Mapping

Payments Attribute Mapping [global]

Interest Rate Attribute Mapping [global]

3.1 Connecting to the API

In order to connect to the API, first create a new integration, see [Configuration](#)

The generated credentials must be used to make authenticate all request with [OAuth 1](#)

An example using [Postman](#) would be

Auth ● Headers (1) Body Pre-req. Tests
Cookies Code

TYPE

OAuth 1.0 ▼

Preview Request

The authorization data will be automatically generated when you send the request. [Learn more about authorization](#)

Add auth data to

Request Headers ▼

! Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. [Learn more about variables](#) ×

Consumer Key **!**

t3u06jrcxwy6o83vm00323icsb44udd1

Consumer Secret **!**

d39y6e6aoe1is5uo3sxzxe9jd3q4sa7b

Access Token

l7z3erzbqrgx5hbhr5cxi99vil68oe6s

Token Secret **!**

9k5yutzpbe589zxc09jd5ewxpsvemhei|

3.2 Endpoints

3.2.1 Products

Method	HTTP	Description
<i>/V1/emblue/products</i>	GET	Gets the list of products
<i>/V1/emblue/products/related</i>	GET	Gets the list of related products

/V1/emblue/products

Request

Parameter	Type	Default	Description
productName	String	null	Query to filter by product name or sku
curPage	Integer	1	Page number
pageSize	Integer	100	Number of items per page

Response

This is a sample response:

```
{
  "items": [
    {
      "id":1,
      "sku":"24-MB01",
      "name":"Joust Duffle Bag",
      "price":34,
      "status":1,
      "final_price":34,
      "product_url":"https://ee219.magento.test/index.php/joust-duffle-bag.
      ↪html",
      "url_key":"joust-duffle-bag",
      "website_ids":[
        1
      ],
      "description":"<p>The sporty Joust Duffle Bag can't be beat - not in the
      ↪gym, not on the luggage carousel, not anywhere. Big enough to haul a basketball or
      ↪soccer ball and some sneakers with plenty of room to spare, it's ideal for athletes
      ↪with places to go.<p>\r\n<ul>\r\n<li>Dual top handles.</li>\r\n<li>Adjustable
      ↪shoulder strap.</li>\r\n<li>Full-length zipper.</li>\r\n<li>L 29\" x W 13\" x H
      ↪11\".</li>\r\n</ul>",
      "type_id": "simple",
      "custom_attributes":[
        {
          "attribute_code":"description",
          "value":"<p>The sporty Joust Duffle Bag can't be beat - not in
          ↪the gym, not on the luggage carousel, not anywhere. Big enough to haul a basketball
          ↪or soccer ball and some sneakers with plenty of room to spare, it's ideal for
          ↪athletes with places to go.<p>\r\n<ul>\r\n<li>Dual top handles.</li>\r\n<li>
          ↪Adjustable shoulder strap.</li>\r\n<li>Full-length zipper.</li>\r\n<li>L 29\" x W
          ↪13\" x H 11\".</li>\r\n</ul>"
        },
        {
          "attribute_code":"image",
          "value":"\m\b\mb01-blue-0.jpg"
        },
        {
          "attribute_code":"small_image",
          "value":"\m\b\mb01-blue-0.jpg"
        },
      ],
    },
  ],
}
```

(continues on next page)

(continued from previous page)

```
{
  "attribute_code": "thumbnail",
  "value": "\/m\/b\/mb01-blue-0.jpg"
},
{
  "attribute_code": "options_container",
  "value": "container1"
},
{
  "attribute_code": "required_options",
  "value": "0"
},
{
  "attribute_code": "has_options",
  "value": "0"
},
{
  "attribute_code": "url_key",
  "value": "joust-duffle-bag"
},
{
  "attribute_code": "msrp_display_actual_price_type",
  "value": "0"
},
{
  "attribute_code": "tax_class_id",
  "value": "0"
},
{
  "attribute_code": "gift_message_available",
  "value": "0"
},
{
  "attribute_code": "gift_wrapping_available",
  "value": "0"
},
{
  "attribute_code": "is_returnable",
  "value": "0"
},
{
  "attribute_code": "eco_collection",
  "value": "0"
},
{
  "attribute_code": "performance_fabric",
  "value": "0"
},
{
  "attribute_code": "erin_recommends",
  "value": "0"
},
{
  "attribute_code": "new",
  "value": "0"
},
{
```

(continues on next page)

(continued from previous page)

```

        "attribute_code": "sale",
        "value": "0"
    },
    {
        "attribute_code": "payments",
        "value": "12"
    },
    {
        "attribute_code": "interest_rate",
        "value": "1.5"
    },
    {
        "attribute_code": "best_price",
        "value": "123.0000"
    }
]
}
}
}

```

/V1/emblue/products/related

Request

Parameter	Type	Default	Description
productId_*_	String	null	Product ID to get the related products

Response

This is a sample response:

```

{
  "items": [
    {
      "id": 2,
      "sku": "24-MB04",
      "name": "Strive Shoulder Pack",
      "price": 32,
      "status": 1,
      "final_price": 32,
      "product_url": "https://ee219.magento.test/index.php/strive-shoulder-
      pack.html",
      "special_price": 32,
      "special_from_date": "2019-04-25 09:47:56",
      "url_key": "strive-shoulder-pack",
      "website_ids": [
        1
      ],
      "description": "<p>Convenience is next to nothing when your day is crammed
      with action. So whether you're heading to class, gym, or the unbeaten path, make
      sure you've got your Strive Shoulder Pack stuffed with all your essentials, and
      extras as well.</p>\r\n<ul>\r\n<li>Zippered main compartment.</li>\r\n<li>Zippered
      zipper pocket.</li>\r\n<li>Side mesh pocket.</li>\r\n<li>Cell phone pocket on
      strap.</li>\r\n<li>Adjustable shoulder strap and top carry handle.</li>\r\n</ul>
    }
  ]
}

```

3.2. Endpoints

(continued from previous page)

```

    "media_gallery_images":{
      "items":[
        {
          "url":"https://ee219.magento.test/media/catalog/product/m/
↪b/mb04-black-0.jpg"
        },
        {
          "url":"https://ee219.magento.test/media/catalog/product/m/
↪b/mb04-black-0_alt1.jpg"
        }
      ]
    },
    "type_id": "simple",
    "custom_attributes":[
      {
        "attribute_code":"description",
        "value":"<p>Convenience is next to nothing when your day is
↪crammed with action. So whether you're heading to class, gym, or the unbeaten path,
↪make sure you've got your Strive Shoulder Pack stuffed with all your essentials,
↪and extras as well.</p>\r\n<ul>\r\n<li>Zippered main compartment.</li>\r\n<li>
↪Front zippered pocket.</li>\r\n<li>Side mesh pocket.</li>\r\n<li>Cell phone
↪pocket on strap.</li>\r\n<li>Adjustable shoulder strap and top carry handle.</li>
↪\r\n</ul>"
      },
      {
        "attribute_code":"special_price",
        "value":"32.0000"
      },
      {
        "attribute_code":"special_from_date",
        "value":"2019-04-25 09:47:56"
      },
      {
        "attribute_code":"image",
        "value":"\m\b/mb04-black-0.jpg"
      },
      {
        "attribute_code":"small_image",
        "value":"\m\b/mb04-black-0.jpg"
      },
      {
        "attribute_code":"thumbnail",
        "value":"\m\b/mb04-black-0.jpg"
      },
      {
        "attribute_code":"news_from_date",
        "value":"2019-04-25 09:47:56"
      },
      {
        "attribute_code":"custom_design_from",
        "value":"2019-04-25 09:47:56"
      },
      {
        "attribute_code":"options_container",
        "value":"container2"
      }
    ]
  }

```

(continues on next page)

(continued from previous page)

```
        "attribute_code": "required_options",
        "value": "0"
    },
    {
        "attribute_code": "has_options",
        "value": "0"
    },
    {
        "attribute_code": "url_key",
        "value": "strive-shoulder-pack"
    },
    {
        "attribute_code": "msrp_display_actual_price_type",
        "value": "0"
    },
    {
        "attribute_code": "tax_class_id",
        "value": "2"
    },
    {
        "attribute_code": "gift_message_available",
        "value": "0"
    },
    {
        "attribute_code": "gift_wrapping_available",
        "value": "0"
    },
    {
        "attribute_code": "is_returnable",
        "value": "2"
    },
    {
        "attribute_code": "activity",
        "value": "20,30,32,27"
    },
    {
        "attribute_code": "style_bags",
        "value": "36,38,39"
    },
    {
        "attribute_code": "material",
        "value": "41,42,45,47"
    },
    {
        "attribute_code": "strap_bags",
        "value": "70,71,74,75,76"
    },
    {
        "attribute_code": "features_bags",
        "value": "81,83,84,87"
    },
    {
        "attribute_code": "eco_collection",
        "value": "0"
    },
    {
        "attribute_code": "performance_fabric",
```

(continues on next page)

(continued from previous page)

```

        "value": "0"
      },
      {
        "attribute_code": "erin_recommends",
        "value": "1"
      },
      {
        "attribute_code": "new",
        "value": "0"
      },
      {
        "attribute_code": "sale",
        "value": "1"
      },
      {
        "attribute_code": "payments",
        "value": "6"
      },
      {
        "attribute_code": "interest_rate",
        "value": "1.1"
      }
    ]
  },
  {
    "id": 3,
    "sku": "24-MB03",
    "name": "Crown Summit Backpack",
    "price": 38,
    "status": 1,
    "final_price": 38,
    "product_url": "https://ee219.magento.test/index.php/crown-summit-
↳backpack.html",
    "url_key": "crown-summit-backpack",
    "website_ids": [
      1
    ],
    "description": "<p>The Crown Summit Backpack is equally at home in a gym_
↳locker, study cube or a pup tent, so be sure yours is packed with books, a bag_
↳lunch, water bottles, yoga block, laptop, or whatever else you want in hand. Rugged_
↳enough for day hikes and camping trips, it has two large zippered compartments and_
↳padded, adjustable shoulder straps.</p>\n<ul>\n<li>Top handle.</li>\n<li>Grommet_
↳holes.</li>\n<li>Two-way zippers.</li>\n<li>H 20\" x W 14\" x D 12\".</li>\n<li>
↳Weight: 2 lbs, 8 oz. Volume: 29 L.</li>\n<ul>",
    "media_gallery_images": {
      "items": [
        {
          "url": "https://ee219.magento.test/media/catalog/product/m/
↳b/mb03-black-0.jpg"
        },
        {
          "url": "https://ee219.magento.test/media/catalog/product/m/
↳b/mb03-black-0_alt1.jpg"
        }
      ]
    },
    "type_id": "simple",

```

(continues on next page)

(continued from previous page)

```

    "custom_attributes": [
      {
        "attribute_code": "description",
        "value": "<p>The Crown Summit Backpack is equally at home in a gym,
↳ locker, study cube or a pup tent, so be sure yours is packed with books, a bag,
↳ lunch, water bottles, yoga block, laptop, or whatever else you want in hand. Rugged,
↳ enough for day hikes and camping trips, it has two large zippered compartments and
↳ padded, adjustable shoulder straps.</p>\n<ul>\n<li>Top handle.</li>\n<li>Grommet
↳ holes.</li>\n<li>Two-way zippers.</li>\n<li>H 20\" x W 14\" x D 12\".</li>\n<li>
↳ Weight: 2 lbs, 8 oz. Volume: 29 L.</li>\n<ul>"
      },
      {
        "attribute_code": "image",
        "value": "\/m\/b\/mb03-black-0.jpg"
      },
      {
        "attribute_code": "small_image",
        "value": "\/m\/b\/mb03-black-0.jpg"
      },
      {
        "attribute_code": "thumbnail",
        "value": "\/m\/b\/mb03-black-0.jpg"
      },
      {
        "attribute_code": "options_container",
        "value": "container2"
      },
      {
        "attribute_code": "required_options",
        "value": "0"
      },
      {
        "attribute_code": "has_options",
        "value": "0"
      },
      {
        "attribute_code": "url_key",
        "value": "crown-summit-backpack"
      },
      {
        "attribute_code": "tax_class_id",
        "value": "2"
      },
      {
        "attribute_code": "is_returnable",
        "value": "2"
      },
      {
        "attribute_code": "activity",
        "value": "20,27,28,29,30,31,32"
      },
      {
        "attribute_code": "style_bags",
        "value": "33"
      },
      {
        "attribute_code": "material",

```

(continues on next page)

(continued from previous page)

```

        "value": "46,47"
      },
      {
        "attribute_code": "strap_bags",
        "value": "70,73,74"
      },
      {
        "attribute_code": "features_bags",
        "value": "81,83,84,86,87"
      }
    ]
  },
  {
    "id": 4,
    "sku": "24-MB05",
    "name": "Wayfarer Messenger Bag",
    "price": 45,
    "status": 1,
    "final_price": 45,
    "product_url": "https://ee219.magento.test/index.php/wayfarer-
↪messenger-bag.html",
    "url_key": "wayfarer-messenger-bag",
    "website_ids": [
      1
    ],
    "description": "<p>Perfect for class, work or the gym, the Wayfarer_
↪Messenger Bag is packed with pockets. The dual-buckle flap closure reveals an_
↪organizational panel, and the roomy main compartment has spaces for your laptop and_
↪a change of clothes. An adjustable shoulder strap and easy-grip handle promise easy_
↪carrying.</p>\n<ul>\n<li>Multiple internal zip pockets.</li>\n<li>Made of durable_
↪nylon.</li>\n</ul>",
    "media_gallery_images": {
      "items": [
        {
          "url": "https://ee219.magento.test/media/catalog/product/m/
↪b/mb05-black-0.jpg"
        }
      ]
    },
    "type_id": "simple",
    "custom_attributes": [
      {
        "attribute_code": "description",
        "value": "<p>Perfect for class, work or the gym, the Wayfarer_
↪Messenger Bag is packed with pockets. The dual-buckle flap closure reveals an_
↪organizational panel, and the roomy main compartment has spaces for your laptop and_
↪a change of clothes. An adjustable shoulder strap and easy-grip handle promise easy_
↪carrying.</p>\n<ul>\n<li>Multiple internal zip pockets.</li>\n<li>Made of durable_
↪nylon.</li>\n</ul>"
      },
      {
        "attribute_code": "image",
        "value": "\/m\b/mb05-black-0.jpg"
      },
      {
        "attribute_code": "small_image",
        "value": "\/m\b/mb05-black-0.jpg"
      }
    ]
  }
}

```

(continues on next page)

(continued from previous page)

```
    },
    {
      "attribute_code": "thumbnail",
      "value": "\/m\/b\/mb05-black-0.jpg"
    },
    {
      "attribute_code": "options_container",
      "value": "container2"
    },
    {
      "attribute_code": "required_options",
      "value": "0"
    },
    {
      "attribute_code": "has_options",
      "value": "0"
    },
    {
      "attribute_code": "url_key",
      "value": "wayfarer-messenger-bag"
    },
    {
      "attribute_code": "tax_class_id",
      "value": "2"
    },
    {
      "attribute_code": "is_returnable",
      "value": "2"
    },
    {
      "attribute_code": "activity",
      "value": "20,28,31"
    },
    {
      "attribute_code": "style_bags",
      "value": "36,37"
    },
    {
      "attribute_code": "material",
      "value": "46,47"
    },
    {
      "attribute_code": "strap_bags",
      "value": "70,72,73,74,75"
    },
    {
      "attribute_code": "features_bags",
      "value": "83,84,86,87,88"
    },
    {
      "attribute_code": "new",
      "value": "1"
    }
  ]
}
]
```

3.2.2 Customers

Method	HTTP	Description
<i>/V1/emblue/customers</i>	GET	Gets the list of customers

/V1/emblue/customers

Request

Parameter	Type	Default	Description
dateFrom	Date	null	Format: YYYY-MM-DD HH:MM:SS
onlyNew	Boolean	false	Only return new customers
curPage	Integer	1	Page number
pageSize	Integer	100	Number of items per page

Response

This is a sample response:

```
{
  "items": [
    {
      "id": 1,
      "group_id": 1,
      "default_billing": "1",
      "default_shipping": "1",
      "created_at": "2019-01-30 18:47:59",
      "updated_at": "2019-02-08 15:54:49",
      "created_in": "Default Store View",
      "dob": "1973-12-15",
      "email": "roni_cost@example.com",
      "firstname": "Veronicaa",
      "lastname": "Costello",
      "gender": 2,
      "store_id": 1,
      "website_id": 1,
      "addresses": [
        {
          "id": 1,
          "customer_id": 1,
          "region": {
            "region_code": "MI",
            "region": "Michigan",
            "region_id": 33
          },
          "region_id": 33,
          "country_id": "US",
```

(continues on next page)

(continued from previous page)

```

        "street": [
            "6146 Honey Bluff Parkway"
        ],
        "telephone": "(555) 229-3326",
        "postcode": "49628-7978",
        "city": "Calder",
        "firstname": "Veronica",
        "lastname": "Costello",
        "default_shipping": true,
        "default_billing": true
    }
],
"disable_auto_group_change": 0
},
{
    "id": 2,
    "group_id": 1,
    "default_billing": "0",
    "default_shipping": "0",
    "created_at": "2019-02-08 15:39:34",
    "updated_at": "2019-02-14 14:40:09",
    "created_in": "Default Store View",
    "email": "john@doe.com",
    "firstname": "John",
    "lastname": "Doe",
    "gender": 1,
    "store_id": 1,
    "website_id": 1,
    "addresses": [],
    "disable_auto_group_change": 0
}
],
"search_criteria": {
    "filter_groups": [
        {
            "filters": [
                {
                    "field": "updated_at",
                    "value": "",
                    "condition_type": "gteq"
                }
            ]
        }
    ]
},
"page_size": 1000,
"current_page": 1
},
"total_count": 2
}

```

3.2.3 Subscribers

Method	HTTP	Description
<i>/V1/emblue/subscribers</i>	GET	Gets the list of subscribers

/V1/emblue/subscribers

Request

Parameter	Type	Default	Description
subscriberStatus	Integer	1	1: Subscribed 2: Not Activated 3: Unsubscribed 4: Unconfirmed
fromSubscriberId	Integer	null	Starting from this subscriber id
curPage	Integer	1	Page number
pageSize	Integer	100	Number of items per page

Response

This is a sample response:

```
{
  "items": [
    {
      "id": 2,
      "email": "john@doe.com",
      "status": 1,
      "customer_id": 0
    },
    {
      "id": 3,
      "email": "jane.doe@example.com",
      "status": 1,
      "customer_id": 0
    }
  ]
}
```

3.2.4 Sales

Method	HTTP	Description
<i>/V1/emblue/carts</i>	GET	Gets the list of shopping carts
<i>/V1/emblue/orders</i>	GET	Gets the list of orders

/V1/emblue/carts

Request

Parameter	Type	Default	Description
customerEmail	String	null	Customer email to filter by
sinceCreatedAt	Date	null	Format: Format: YYYY-MM-DD HH:MM:SS
toCreatedAt	Date	null	Format: Format: YYYY-MM-DD HH:MM:SS
sinceUpdatedAt	Date	null	Format: Format: YYYY-MM-DD HH:MM:SS
toUpdatedAt	Date	null	Format: Format: YYYY-MM-DD HH:MM:SS
curPage	Integer	1	Page number
pageSize	Integer	100	Number of items per page

Response

This is a sample response:

```
{
  "items": [
    {
      "items": [
        {
          "product": {
            "id": 48,
            "sku": "240-LV05",
            "name": "LifeLong Fitness IV",
            "price": 14,
            "status": 1,
            "formatted_price": "<span class=\"price\">$14.00</span>",
            "final_price": 14,
            "product_url": "http://emblue.localhost/index.php/lifelong-
            ↪fitness-iv.html",
            "url_key": "lifelong-fitness-iv",
            "website_ids": [
              1
            ],
            "description": "<p>Luma LifeLong Fitness Series is a world
            ↪recognized, evidence based exercise program designed specifically for individuals
            ↪focused on staying active their whole lives. If followed regularly, participants
            ↪will see improved heart rate and blood pressure, increased mobility, reduced joint
            ↪pain and overall improvement in functional fitness and health.</>\n<ul>\n<li>10
            ↪minute warm up.</li>\n<li>30 minutes of mild aerobics.</li>\n<li>20 minutes of
            ↪strength, stretch and balance.</li>\n<li>Extensive modifications for varying
            ↪fitness levels.</li>\n</ul>",
            "media_gallery_images": {
              "items": [
                {
                  "url": "http://emblue.localhost/pub/media/catalog/
            ↪product/l/t/lt02.jpg"
```

(continues on next page)

(continued from previous page)

```

        }
    ]
}
},
"item_id": 7,
"sku": "240-LV05",
"qty": 1,
"name": "LifeLong Fitness IV",
"price": 14,
"product_type": "downloadable",
"quote_id": "3"
},
{
  "product": {
    "id": 1402,
    "sku": "WJ12-S-Blue",
    "name": "Olivia 1/4 Zip Light Jacket",
    "price": 77,
    "status": 1,
    "formatted_price": "<span class=\"price\">$77.00</span>",
    "final_price": 77,
    "product_url": "http://emblue.localhost/index.php/olivia-1-4-
↳zip-light-jacket.html",
    "url_key": "olivia-1-4-zip-light-jacket",
    "website_ids": [
      1
    ],
    "description": "<p>Running errands or headed to the gym, you
↳just want to be comfortable. The Olivia Light Jacket promises that, plus a laid-
↳back look. This zip-up is designed with shoulder stripes for an athletic touch, and
↳banded waist and contoured seams for a flattering silhouette.</p>\n<p>&bull; Loose
↳fit.</br>&bull; Reflectivity.</br>&bull; Flat seams.</br>&bull; Machine wash/dry.</
↳p>",
    "media_gallery_images": {
      "items": [
        {
          "url": "http://emblue.localhost/pub/media/catalog/
↳product/w/j/wj12-blue_main_1.jpg"
        },
        {
          "url": "http://emblue.localhost/pub/media/catalog/
↳product/w/j/wj12-blue_alt1_1.jpg"
        },
        {
          "url": "http://emblue.localhost/pub/media/catalog/
↳product/w/j/wj12-blue_back_1.jpg"
        }
      ]
    }
  },
  "item_id": 8,
  "sku": "WJ12-S-Blue",
  "qty": 1,
  "name": "Olivia 1/4 Zip Light Jacket",
  "price": 77,
  "product_type": "configurable",
  "quote_id": "3"
}

```

(continues on next page)

(continued from previous page)

```

    }
  ],
  "id": 3,
  "created_at": "2019-02-08 15:39:41",
  "updated_at": "2019-02-15 12:02:29",
  "is_active": true,
  "is_virtual": false,
  "items_count": 2,
  "items_qty": 2,
  "customer": {
    "id": 2,
    "group_id": 1,
    "default_billing": "0",
    "default_shipping": "0",
    "created_at": "2019-02-08 15:39:34",
    "updated_at": "2019-02-14 14:40:09",
    "created_in": "Default Store View",
    "email": "john@doe.com",
    "firstname": "John",
    "lastname": "Doe",
    "gender": 1,
    "store_id": 1,
    "website_id": 1,
    "addresses": [],
    "disable_auto_group_change": 0,
    "extension_attributes": {
      "is_subscribed": false
    }
  },
  "billing_address": {
    "id": 5,
    "region": null,
    "region_id": null,
    "region_code": null,
    "country_id": null,
    "street": [
      ""
    ],
    "telephone": null,
    "postcode": null,
    "city": null,
    "firstname": null,
    "lastname": null,
    "customer_id": 2,
    "email": "john@doe.com",
    "same_as_billing": 0,
    "save_in_address_book": 0
  },
  "orig_order_id": 0,
  "currency": {
    "global_currency_code": "USD",
    "base_currency_code": "USD",
    "store_currency_code": "USD",
    "quote_currency_code": "USD",
    "store_to_base_rate": 0,
    "store_to_quote_rate": 0,
    "base_to_global_rate": 1,

```

(continues on next page)

```
        "base_to_quote_rate": 1
    },
    "customer_is_guest": false,
    "customer_note_notify": true,
    "customer_tax_class_id": 3,
    "store_id": 1,
    "extension_attributes": {
        "shipping_assignments": [
            {
                "shipping": {
                    "address": {
                        "id": 6,
                        "region": null,
                        "region_id": null,
                        "region_code": null,
                        "country_id": null,
                        "street": [
                            ""
                        ],
                        "telephone": null,
                        "postcode": null,
                        "city": null,
                        "firstname": null,
                        "lastname": null,
                        "customer_id": 2,
                        "email": "john@doe.com",
                        "same_as_billing": 1,
                        "save_in_address_book": 0
                    },
                    "method": null
                },
                "items": [
                    {
                        "item_id": 7,
                        "sku": "240-LV05",
                        "qty": 1,
                        "name": "LifeLong Fitness IV",
                        "price": 14,
                        "product_type": "downloadable",
                        "quote_id": "3"
                    },
                    {
                        "item_id": 8,
                        "sku": "WJ12-S-Blue",
                        "qty": 1,
                        "name": "Olivia 1/4 Zip Light Jacket",
                        "price": 77,
                        "product_type": "configurable",
                        "quote_id": "3"
                    }
                ]
            }
        ]
    }
}
```

/V1/emblue/orders

Request

Parameter	Type	Default	Description
customerEmail	String	null	Customer email to filter by
sinceCreatedAt	Date	null	Format: Format: YYYY-MM-DD HH:MM:SS
toCreatedAt	Date	null	Format: Format: YYYY-MM-DD HH:MM:SS
sinceUpdatedAt	Date	null	Format: Format: YYYY-MM-DD HH:MM:SS
toUpdatedAt	Date	null	Format: Format: YYYY-MM-DD HH:MM:SS
status	String	pending	Possible values are: pending pending_payment processing payment_review holded fraud complete closed canceled
curPage	Integer	1	Page number
pageSize	Integer	100	Number of items per page

Response

This is a sample response:

```
{
  "items": [
    {
      "items": [
        {
          "product": {
            "id": 1434,
            "sku": "WS03",
            "name": "Iris Workout Top",
            "price": 0,
            "status": 1,
            "formatted_price": "<span class=\"price\">$0.00</span>",
            "final_price": 0,
            "product_url": "http://emblue.localhost/index.php/catalog/
↵product/view/id/1434/s/iris-workout-top/",

```

(continues on next page)

(continued from previous page)

```

        "url_key": "iris-workout-top",
        "website_ids": [
            1
        ],
        "description": "<p>The Iris Workout Top is sleeveless, body_
↳fitting and moisture wicking for a fashionable, functional garment. Rouched_
↳textures add style.</p>\n<p>&bull; Pink heather roused v-neck.<br />&bull; Scoop_
↳neckline.<br />&bull; Angled flat seams.<br />&bull; Moisture wicking.<br />&bull;
↳Body skimming.<br />&bull; 83% Polyester / 11% TENCEL&reg; Lyocell / 6% Lycra&reg;
↳Spandex.</p>",
        "media_gallery_images": {
            "items": [
                {
                    "url": "http://emblue.localhost/pub/media/catalog/
↳product/w/s/ws03-red_main_1.jpg"
                },
                {
                    "url": "http://emblue.localhost/pub/media/catalog/
↳product/w/s/ws03-red_alt1_1.jpg"
                },
                {
                    "url": "http://emblue.localhost/pub/media/catalog/
↳product/w/s/ws03-red_back_1.jpg"
                }
            ]
        }
    },
    "amount_refunded": 0,
    "base_amount_refunded": 0,
    "base_discount_amount": 0,
    "base_discount_invoiced": 0,
    "base_discount_tax_compensation_amount": 0,
    "base_discount_tax_compensation_invoiced": 0,
    "base_original_price": 29,
    "base_price": 29,
    "base_price_incl_tax": 31.39,
    "base_row_invoiced": 29,
    "base_row_total": 29,
    "base_row_total_incl_tax": 31.39,
    "base_tax_amount": 2.39,
    "base_tax_invoiced": 2.39,
    "created_at": "2019-01-30 18:48:23",
    "discount_amount": 0,
    "discount_invoiced": 0,
    "discount_percent": 0,
    "free_shipping": 0,
    "discount_tax_compensation_amount": 0,
    "discount_tax_compensation_invoiced": 0,
    "is_qty_decimal": 0,
    "item_id": 1,
    "name": "Iris Workout Top",
    "no_discount": 0,
    "order_id": 1,
    "original_price": 29,
    "price": 29,
    "price_incl_tax": 31.39,
    "product_id": 1434,

```

(continues on next page)

(continued from previous page)

```

        "product_type": "configurable",
        "qty_canceled": 0,
        "qty_invoiced": 1,
        "qty_ordered": 1,
        "qty_refunded": 0,
        "qty_shipped": 1,
        "row_invoiced": 29,
        "row_total": 29,
        "row_total_incl_tax": 31.39,
        "row_weight": 1,
        "sku": "WS03-XS-Red",
        "store_id": 1,
        "tax_amount": 2.39,
        "tax_invoiced": 2.39,
        "tax_percent": 8.25,
        "updated_at": "2019-01-30 18:48:33",
        "weight": 1
    }
],
"base_currency_code": "USD",
"base_discount_amount": 0,
"base_discount_invoiced": 0,
"base_grand_total": 36.39,
"base_discount_tax_compensation_amount": 0,
"base_discount_tax_compensation_invoiced": 0,
"base_shipping_amount": 5,
"base_shipping_discount_amount": 0,
"base_shipping_discount_tax_compensation_amnt": 0,
"base_shipping_incl_tax": 5,
"base_shipping_invoiced": 5,
"base_shipping_tax_amount": 0,
"base_subtotal": 29,
"base_subtotal_incl_tax": 31.39,
"base_subtotal_invoiced": 29,
"base_tax_amount": 2.39,
"base_tax_invoiced": 2.39,
"base_total_due": 0,
"base_total_invoiced": 36.39,
"base_total_invoiced_cost": 0,
"base_total_paid": 36.39,
"base_to_global_rate": 1,
"base_to_order_rate": 1,
"billing_address_id": 2,
"created_at": "2019-01-30 18:48:23",
"customer_dob": "1973-12-15 00:00:00",
"customer_email": "roni_cost@example.com",
"customer_firstname": "Veronica",
"customer_gender": 2,
"customer_group_id": 1,
"customer_id": 1,
"customer_is_guest": 0,
"customer_lastname": "Costello",
"customer_note_notify": 1,
"discount_amount": 0,
"discount_invoiced": 0,
"entity_id": 1,
"global_currency_code": "USD",

```

(continues on next page)

(continued from previous page)

```

"grand_total": 36.39,
"discount_tax_compensation_amount": 0,
"discount_tax_compensation_invoiced": 0,
"increment_id": "000000001",
"is_virtual": 0,
"order_currency_code": "USD",
"protect_code": "c558ead18ce560f7a84688621b0bde44",
"quote_id": 1,
"shipping_amount": 5,
"shipping_description": "Flat Rate - Fixed",
"shipping_discount_amount": 0,
"shipping_discount_tax_compensation_amount": 0,
"shipping_incl_tax": 5,
"shipping_invoiced": 5,
"shipping_tax_amount": 0,
"state": "processing",
"status": "processing",
"store_currency_code": "USD",
"store_id": 1,
"store_name": "Main Website\nMain Website Store\n",
"store_to_base_rate": 0,
"store_to_order_rate": 0,
"subtotal": 29,
"subtotal_incl_tax": 31.39,
"subtotal_invoiced": 29,
"tax_amount": 2.39,
"tax_invoiced": 2.39,
"total_due": 0,
"total_invoiced": 36.39,
"total_item_count": 1,
"total_paid": 36.39,
"total_qty_ordered": 1,
"updated_at": "2019-01-30 18:48:33",
"weight": 1,
"billing_address": {
  "address_type": "billing",
  "city": "Calder",
  "country_id": "US",
  "customer_address_id": 1,
  "email": "roni_cost@example.com",
  "entity_id": 2,
  "firstname": "Veronica",
  "lastname": "Costello",
  "parent_id": 1,
  "postcode": "49628-7978",
  "region": "Michigan",
  "region_code": "MI",
  "region_id": 33,
  "street": [
    "6146 Honey Bluff Parkway"
  ],
  "telephone": "(555) 229-3326"
},
"payment": {
  "account_status": null,
  "additional_information": [
    "Check / Money order"
  ]
}

```

(continues on next page)

(continued from previous page)

```

    ],
    "amount_ordered": 36.39,
    "amount_paid": 36.39,
    "base_amount_ordered": 36.39,
    "base_amount_paid": 36.39,
    "base_shipping_amount": 5,
    "base_shipping_captured": 5,
    "cc_last4": null,
    "entity_id": 1,
    "method": "checkmo",
    "parent_id": 1,
    "shipping_amount": 5,
    "shipping_captured": 5
  },
  "status_histories": [],
  "extension_attributes": {
    "shipping_assignments": [
      {
        "shipping": {
          "address": {
            "address_type": "shipping",
            "city": "Calder",
            "country_id": "US",
            "customer_address_id": 1,
            "email": "roni_cost@example.com",
            "entity_id": 1,
            "firstname": "Veronica",
            "lastname": "Costello",
            "parent_id": 1,
            "postcode": "49628-7978",
            "region": "Michigan",
            "region_code": "MI",
            "region_id": 33,
            "street": [
              "6146 Honey Bluff Parkway"
            ],
            "telephone": "(555) 229-3326"
          },
          "method": "flatrate_flatrate",
          "total": {
            "base_shipping_amount": 5,
            "base_shipping_discount_amount": 0,
            "base_shipping_discount_tax_compensation_amnt": 0,
            "base_shipping_incl_tax": 5,
            "base_shipping_invoiced": 5,
            "base_shipping_tax_amount": 0,
            "shipping_amount": 5,
            "shipping_discount_amount": 0,
            "shipping_discount_tax_compensation_amount": 0,
            "shipping_incl_tax": 5,
            "shipping_invoiced": 5,
            "shipping_tax_amount": 0
          }
        }
      },
      {
        "items": [
          {
            "amount_refunded": 0,

```

(continues on next page)

(continued from previous page)

```
"base_amount_refunded": 0,  
"base_discount_amount": 0,  
"base_discount_invoiced": 0,  
"base_discount_tax_compensation_amount": 0,  
"base_discount_tax_compensation_invoiced": 0,  
"base_original_price": 29,  
"base_price": 29,  
"base_price_incl_tax": 31.39,  
"base_row_invoiced": 29,  
"base_row_total": 29,  
"base_row_total_incl_tax": 31.39,  
"base_tax_amount": 2.39,  
"base_tax_invoiced": 2.39,  
"created_at": "2019-01-30 18:48:23",  
"discount_amount": 0,  
"discount_invoiced": 0,  
"discount_percent": 0,  
"free_shipping": 0,  
"discount_tax_compensation_amount": 0,  
"discount_tax_compensation_invoiced": 0,  
"is_qty_decimal": 0,  
"item_id": 1,  
"name": "Iris Workout Top",  
"no_discount": 0,  
"order_id": 1,  
"original_price": 29,  
"price": 29,  
"price_incl_tax": 31.39,  
"product_id": 1434,  
"product_type": "configurable",  
"qty_canceled": 0,  
"qty_invoiced": 1,  
"qty_ordered": 1,  
"qty_refunded": 0,  
"qty_shipped": 1,  
"row_invoiced": 29,  
"row_total": 29,  
"row_total_incl_tax": 31.39,  
"row_weight": 1,  
"sku": "WS03-XS-Red",  
"store_id": 1,  
"tax_amount": 2.39,  
"tax_invoiced": 2.39,  
"tax_percent": 8.25,  
"updated_at": "2019-01-30 18:48:33",  
"weight": 1  
}  
}  
}  
}  
}
```

4.1 Swagger

1. In order to test all the endpoints the easiest way is to use Magento's built-in Swagger. To access it go to the URL **<http://magento.localhost/index.php/swagger#/>**.
2. Once there an admin token needs to be generated. In order to do so, scroll down to the endpoint **integrationAdminTokenServiceV1**.

integrationAdminTokenServiceV1 Interface providing token generation for Admins

POST /v1/integration/admin/token

Create access token for admin given the admin credentials.

Parameters Cancel

Name	Description
integrationAdminTokenServiceV1CreateAdminAccessTokenPostBody <i>(body)</i>	<p>Example Value Model</p> <pre>{ "username": "admin", "password": "supersecretpassword" }</pre> <p>Cancel</p> <p>Parameter content type application/json</p>

3. Copy the generated token

Server response

Code	Details
200	<p>Response body</p> <pre>"oUm71wh12nenrbj3vxdkq450hxx3594"</pre> <p>Response headers</p> <pre>cache-control: no-store, no-cache, must-revalidate connection: Keep-Alive content-length: 34 content-type: application/json; charset=utf-8 date: Fri, 15 Feb 2019 17:23:35 GMT expires: Thu, 19 Nov 1981 08:52:00 GMT keep-alive: timeout=5, max=100 pragma: no-cache server: Apache/2.4.37 (Unix) OpenSSL/1.0.2p PHP/7.1.24 x-frame-options: SAMEORIGIN x-powered-by: PHP/7.1.24 x-ua-compatible: IE=edge</pre>

4. Place the token in the header of Swagger and click **Apply**

swagger i2nenrbj3vxdkq450hxx3594 apply

5. Once completed then all the emBlue endpoints should be available to test using Swagger

emblueConnectorCatalogRepositoryV1	▼
GET /v1/emblue/products	
GET /v1/emblue/products/related	
emblueConnectorCustomerRepositoryV1	▼
GET /v1/emblue/customers	
emblueConnectorSubscriberRepositoryV1	▼
GET /v1/emblue/subscribers	
emblueConnectorSalesRepositoryV1	▼
GET /v1/emblue/carts	
GET /v1/emblue/orders	

This is modules allows integration between *Magento 2* and *emBlue Email Marketing*