



Belley Customer API

Api.Belley.net

(Complemental document for the versions of the API)

V1.x

(Version of the document)

V4.0

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Introduction

This is a reference document on the APIs available to the customer at Belley. It allows to perform directly from your system the actions usually performed by your users on the Belley customer site (customer.belley.net).

It presents the possible interactions but does not provide any information on how to modify your system to call these APIs. There are many technologies available to call the APIs. Choose the one that best fits your needs.

Our APIs are “Partner web API” type encoded in **JSON** to allow approved client developers to directly access Belley Customer system from within their system. See the “API Specification” section for more details about the API structure used.

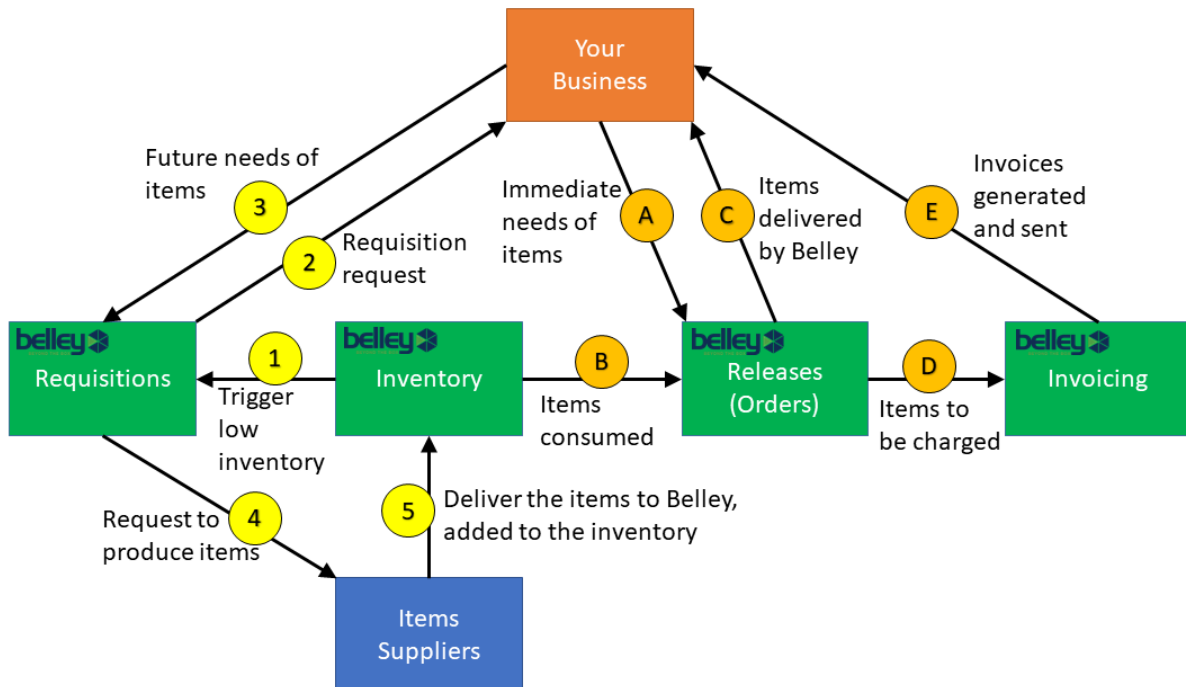
Audience

This document is intended to be used by people having some knowledge in web API and JSON.

Requirements

1. You must be a **client** at Belley
2. Your **username** (email) and **password**. The same used to access the Belley Customer site.
3. The **roles** associated to the username must allow the action requested.
Example: if the username used doesn't have access to Billing information, all actions related to billing will be denied.
4. **For POST method**, you must get your Header API Key ID (**KeyHdrApild**) via your Belley IT representative.
The Header API Key ID is not required for the GET method.

Production - Business flows



There are 2 mains business process flows directly related to your production plan.

● **Requisitions (Replenishments)**

● **Releases (Orders)**

Belley delivers mainly boxes but also a variety of related products, such as separators, rolls, slip sheets, lids, etc...

For the text below the term “**item**” will be used.

Requisitions (Replenishments at Belley)

Before you can order items, an inventory must be built at Belley. In Belley's context, the term **"requisition"** means an order from a customer to put in production a certain quantity of one item to stock at Belley with the agreement for the client to use it in the next 3 months or so. To start, we use an estimation provided by your purchasing department. Going forward, the consumption trend is established by Belley, based on usage and/or information provided by your company. This trend is constantly adjusted.

After the inventory is built, your company can have items drawn from inventory and released (delivered) to your company. When the stock reaches a certain low threshold, a requisition (replenishments) request is generated by Belley. For a specific item, the requisition (replenishment) proposed a quantity to be acquired by Belley to satisfy your needs for the next few months. By default, these requisitions must be approved by your purchasing department. There are several methods of approval. The main ones being:

- **"pre-approved"** which means that Belley acquires stocks as needed until otherwise advised by your purchasing department. In this case, APIs related to "Requisitions" are not required.
- **"to approve"**, which means that your purchasing department must specifically approve each requisition to replenish.

Consult your purchasing department on the methods used by your company. It could be a mixture of the two methods, based per item.

A requisition is a promise to buy the stock in a near future via the releases (orders). The suggested quantity on the requisition is based on the past consummation and trend. Note that your business should have a view on future needs that may increase or decrease for a specific item. Your company is responsible for informing Belley of any significant variation in the needs for a specific item due to a foreseeable event (increase: large contract, acquisition, etc ..., decrease: discontinued product, new products using the same item, etc...). This will allow Belley to acquire enough or not too much stock for you.

In the requisition process, **your purchasing department should be involved.**

Releases (Orders)

As needed by your production plan, order enough items for a day, a few days or a week. Please see your production manager about the desired frequency and quantities to be ordered for the items.

Note that you may have more one region to order your items. The items of a release must be in the same region.

At Belley, “**client orders**” are called “**releases**” since you are releasing a quantity of stock previously “requisitioned”.

To “release” (order), you must first see the availability of the stock in the inventory.

After checking the inventory, to release, you must define the quantity, a delivery date and a delivery address.

Regarding the quantity, there is an important parameter to consider. It is the type of management associated to each item.

The type of management is established for each item by your purchasing department. There are 2 main types:

- “**By unit**” you can order a specific number of items at the time, and
- “**By bale**” you can order a specific number of bales of items at the time. A bale usually contains several hundred units of the same item.

Several different items can be ordered in a single release (order). See your purchasing department for the company rules about orders (ex.: minimum of 4 bales/delivery, hour cutoff for a delivery the following day, etc.). Certain rules may apply to limit the costs to all.

In the release process, **your production manager should be involved**.

Administrative - Business flows

There are 3 main business process flows related to administrative activities.

- **Inventory**
- **Invoices**
- **Orders History**

Inventory

To consult the current inventory of items stored at Belley, the consumption trends, the past and coming purchase orders (requisition/replenishment orders), etc....

The consultation of the inventory is a prerequisite to order (to release) items.

To be used by your **stock manager**.

If your delivery addresses it is categorized in more than one, you can see a consolidated inventory or for a specific region.

Invoices

To consult the current and past invoices. The search tool allows to investigate concerns.

These will be useful for your **account payable team**.

Orders History

The purpose of the "Orders History" is to get release information associated to a specific "Customer order number".

In short, it is a view on the releases from the standpoint of your order number instead to the one (release number) generated by Belley.

The order number is specified by your users when ordering at Belley via the Belley Customer Service, via Customer site or via the Customer APIs.

Each "Customer order number" could be at 3 levels:

- 1) **Global level** (meaning one number is used for all orders done until it is changed by the user). See "DefaultRelNum" of the user profile "CustomerUserAccount"
- 2) **Order level** (meaning one number is used for all items ordered in a release. Note that this number can be reused by the users.) See "PurchaseOrder"
- 3) **Item ordered level** (meaning one number is used for each item ordered in a release. Note that this number can be reused by the users.) See "PurchaseOrderDetail"

The level and the order number value are set by your users when ordering.

Please refer to the politic of your company about the "Customer order number".

Thus, regardless of the level used when ordering items, if a "Customer order number" is generated by your systems or is truly managed somewhere by your enterprise, APIs related to "Order History" can mean something. Otherwise, the true benefit of viewing the releases from the "order numbers" is significantly reduced.

At last and not the least, the "Customer order number" appears on the invoices. Useful for your account payable team.



Belley Customer API – V1.x

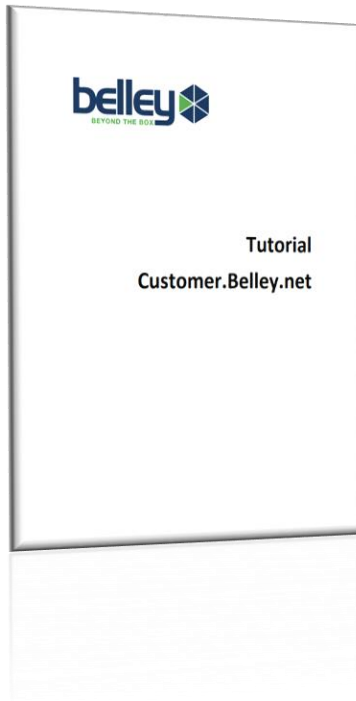
See the “**Orders**” tab of the Belley Customer site to get a good view on the subject.
The Order History tools will be useful for your **account payable team**.

API specification

The Belley API has predictable resource-oriented URLs, accepts form-encoded request bodies, returns JSON-encoded responses, and uses standard HTTP response codes, authentication, and verbs.

These APIs are currently used by the Belley Customer site (<https://customer.belley.net>). We recommend that you look to our customer site as you are using these APIs.

The **Tutorial of the customer site** presents several rules and restrictions which could help you.



It is located at the right corner of the site header.



Environment and Base URL

There are 2 distinct available environments from which you can be connected.

- **(Sandbox mode)** Base URL: **UAT-api.belley.net/Customer/v1**

Our UAT (User Acceptance Testing) environment should be used with your Development and Testing environment. We strongly suggest that you use this environment to test the POST method.

The data attached to this environment is a copy of the production (Live mode) up to the last Sunday. It is a sandbox for your testing's where you can perform any type of requests without affecting your live data.

Please note that

- No email notifications will be generated or triggered from this environment
- No automated processes will be triggered in this environment
- The actions are real in the sandbox. All updates will take effect immediately, which means, for example, if you order items from your inventory during your tests, when there are no more items available, the ordering action will not be possible for the rest of the week.
- All updates made will be lost the next time the data is updated on the following Sunday.

The results can be seen via our UAT customer site (<https://UAT-customer.belley.net>).

- **(Live mode)** Base URL: **api.belley.net/Customer/v1**

All POST actions done to this environment are effective immediately the production chain.

The results can be seen via our customer site (<https://customer.belley.net>).

We recommend the following environment relations:

Purposes	Your environments	Belley environments
Development and testing	DEV	UAT (UAT-api.belley.net)
User Acceptance Testing	UAT	UAT (UAT-api.belley.net)
Live	Production	Production (api.belley.net)

NOTES:

The token in the environments is not compatible with each other. The token obtained in UAT/Dev can't be used in Production environment.

Authorization

There are 4 elements to consider.

1. **[BearerToken]** of CustomerLogin
The Belley APIs use session token to authenticate requests. This token is obtained when sign in. **It is required in all subsequent requests.**
2. **[KeyHdrApi]** of CustomerLogin
A list of accounts is presented when sign in. You may have more than one account at Belley. **It is required in all subsequent requests.**
You can get information about the accounts using the call “user” of Account.
Please do not confuse [KeyHdrApi] with [KeyHdrApild] presented below.
3. The **roles** associated to the user ID **[Username]** when sign in must allow the action requested on the account selected **[KeyHdrApi]** of [AccessCustAccount]. You may have more than one account at Belley. For a specific username, the list of roles associated to a specific account [KeyHdrApi] could be distinct from one account to the other.

Example: If the username used does not have access to the billing information for a specific account, all actions related to billing will be rejected.

You can get information about the roles of the current user using the call “user/roles” of Account.

Please contact the Belley Customer Service if you need to add, remove or change the roles of a user.

The roles are used to establish the **Permissions**.

Roles	Purpose
INVENTORY	Allow to only see the inventory
INVOICE	Allow to only see billing information
REQUISITION	Allow to see the inventory and allow to respond to requisitions (replenishments)
RELEASE	Allow to see the inventory and to order items

These permissions are the same as the ones set for the Belley Customer site.

4. **For POST method**, an additional security is in place.
A secret Header API Key ID **[KeyHdrApild]** is required.
Contact your Belley representative to get your Header API Key ID **[KeyHdrApild]**.
Your Header API Key ID carries many privileges, so be sure to keep them secure!
Do not share your secret Header API Key ID in publicly accessible areas such as GitHub, client-side code, and so forth.
The Header API Key ID is not required for the GET method.
Please do not confuse [KeyHdrApild] with [KeyHdrApi] presented above.

Customer Login

Path URL: **Customer/v1/Login**

You have two ways to manage access security in your systems.

1. Using the same username as the ones used to access the Belley Customer site.

This means that the Belley username and password of the person performing the request in your system is used in the APIs.

This way, we (you and Belley) knows who did the actions. The security is then entirely managed at Belley.

2. Using a global username

This means that all requests done by your users pass through a single (or few) Belley username. You have then the responsibility to manage security and to trace who did what and when. Only you will know who did the actions. The security is then entirely managed in your system.

Please refer to your company's security policy.

Account

Path URL: **Customer/v1/Login/GetCustomerKeyHeaderApiWithName**

A list of accounts is presented when sign in (see [Customer Login](#)). You can get list with path URL above.

You may have more than one account at Belley. It is important to get the good KeyHeaderApi (*CustomerId|CompanyId*) to get the good information.

The company ID contains 3 letters. Usually these are the following choices: ARB or BUS.

Regions

Path URL: **Customer/v1/Account/Regions**

You may have more than one region. The regions associated with the account based on the delivery addresses associated to a Belley warehouse.

Region ID	Region name
1	Sherbrooke-QC
2	Québec-QC
3	Kitchener-ON
4	Vancouver-BC
5	Fairfax-VT
6	Casa Grande-AZ

Note, if you want consolidated data, you can use region ID equal to 0.

Error

We use conventional HTTP response codes to indicate the success or failure of an API request. In general: Codes in the 2xx range indicate success. Codes in the 4xx range indicate an error that failed given the information provided (e.g., a required parameter was omitted, a charge failed, etc.). Codes in the 5xx range indicate an error with Belley's servers (these are rare).

In some cases, an error message imbedded in a HTML file can be received.

As example, you will get this type of error when a wrong parameter is passed directly inside the URL path.

Ex: Wrong `{itemId}` in the call "**api.belley.net**/Customer/v1/Inventory/item/`{itemId}`/detail".

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
  <title>404 - File or directory not found.</title>
  <style type="text/css">
  </style>
</head>
<body>
  <div id="header"><h1>Server Error</h1></div>
  <div id="content">
    <div class="content-container">
      <fieldset>
        <h2>404 - File or directory not found.</h2>
        <h3>The resource you are looking for might have been removed, had its name
          changed, or is temporarily unavailable.</h3>
      </fieldset>
    </div>
  </div>
</body>
</html>
```

Header

A header is required in nearly all transactions.

There is 2 type of headers. One related to the Customer Login (LoginHeader), the other (AppHeader) for the rest of the transactions.

LoginHeader

Key	Value	Description	Requirement
BearerToken	string	Token received when you perform the “SignIn” call.	Always required

AppHeader

Key	Value	Description	Requirement
BearerToken	string	Token received when you perform the “SignIn” call.	Always required
KeyHdrApi	string	Presents the CustomerId CompanyId	Always required
KeyHdrApild	string	Unique identifier given by Belley. Contact your Belley representative.	Only required for API call with POST method.

Path and Schemas

Swagger

To test Belley API, we offer an interactive documentation with Swagger Hub.

You can try in **Sandbox** or in **Live** mode.

Servers

https://api.belley.net/customer/v1	▼
https://api.belley.net/customer/v1	
https://uat-api.belley.net/customer/v1	

Public Access

A first overview of the features is available via the **Public Access** to the **Belley APIs in Swagger**.

In the Public access, **you only need a valid username and password to your account(s) at Belley**. If needed, contact your purchase department or the Belley Customer Service to get a valid username and password.

Reminder: the **roles associated to the username is important**. See the “Authorization” section of this document for the details.

See here to try it : https://app.swaggerhub.com/apis-docs/AR_Belley/Belley_API_Customer_v1/

Private Access

A complete view of the features is available via the **Private Access** to the **Belley APIs in Swagger**. When you are ready to use the Belley APIs in your system, contact your Belley representative to get access to all details and documentation.

A private access and the link to the Private Belley APIs in Swagger will be then provided.

In the Private Access, you need

1. **A valid username and password to your account(s) at Belley with the proper roles assigned**

If needed, contact your purchase department or the Belley Customer Service to get a valid username and password.

Reminder: the **roles associated to the username is important**. See the “Authorization” section of this document for the details.

2. **A Swagger user with the access to the Private version of the APIs**

Paths

The current document does not present the details. Refer to “**Swagger**” section of this document for the details.

You will find below an overview of some paths.

The complete list of paths is available in Swagger.

See here: https://app.swaggerhub.com/apis-docs/AR_Belley/Belley_API_Customer_v1/

We have 7 sections:

Login



GET	/login/SignIn	Get Bearer Token and KeyHdrApi	
GET	/login/GetCustomerKeyHeaderApi	Get Customer Key Header API	🔒
GET	/login/GetCustomerKeyHeaderApiWithName	Get Customer Key Header API with name	🔒
GET	/login/GetCustomersWithKeyHeaderApi	Get Customers information with Key Header API	🔒










Account



GET	/account/user	Get Customer user account information	🔒
GET	/account/user/Roles	Get Customer user account roles	🔒
GET	/account/regions	Get regions	🔒




Inventory



GET	/inventory/GetItems	Get all items.	
GET	/inventory/region/{regionId}/Items	Get items by region	
GET	/inventory/item/region/{regionId}/{itemId}/po	(PRIVATE) Get Purchase Order item by region	
GET	/inventory/item/{itemId}/QuantityOnHand	(PRIVATE) Get Quantity on hand	
GET	/inventory/po/{id}	(PRIVATE) Get Purchase Order item detail	
GET	/inventory/item/{itemId}/mirror	(PRIVATE) Get mirror items	
GET	/inventory/item/{itemId}/detail	(PRIVATE) Get item detail	
GET	/inventory/region/{regionId}/item/{itemId}/ConsumptionHistory	(PRIVATE) Get Consumption history	
POST	/inventory/item/{itemId}/SaveClientComment	(PRIVATE) Save Client Comment	

Invoicing





GET	/invoicing/invoices	Get invoices	
GET	/invoicing/invoices/{researchedItemnumber}	Search invoices by keyword	
GET	/invoicing/invoice/{invnum}	(PRIVATE) Get Invoice detail	

Order

Get release information associated to a specific "Customer Order Number".
For more information, see the external documentation.

See the "Orders" tab of the Belley Customer site to get a good view on the subject.



GET	/order/orders	(PRIVATE) Get orders	
GET	/order	(PRIVATE) Get orders detail	

Release To order (release) items. For more information, see the external documentation.



GET	/release/region/{regionId}/releases (PRIVATE) Get releases	🔒
GET	/release/{relnum}/detail (PRIVATE) Get releases detail	🔒
GET	/release/region/{regionId}/item/{itemId} (PRIVATE) Get Releases status of an item	🔒
GET	/release/messages (PRIVATE) Get Messages to be associated to the releases	🔒
GET	/release/messages/MinQtyBale (PRIVATE) Get Release message about minimum quantity per bale	🔒
POST	/release/messages/{detailMsgId} (PRIVATE) Ignore release message next time	🔒
GET	/release/holidays Closed operating days at Belley	🔒
GET	/release/region/{regionId}/DeliveryAddresses Get delivery addresses by region	🔒
GET	/release/ManagementRules (PRIVATE) Get Release management rules of an item	🔒
GET	/release/ManagementRulesWeb (PRIVATE) Get Release management rules of the inventory	🔒
GET	/release/DefaultDateRequest (PRIVATE) Get earliest delivery date	🔒
POST	/release/ValidateReleaseRequest (PRIVATE)	🔒
POST	/release/SendReleaseRequest (PRIVATE)	🔒

Requisition



GET	/requisition/region/{regionId}/Requisitions (PRIVATE) Get requisitions by region.	🔒
GET	/requisition/{requisition} (PRIVATE) Get specific requisition details	🔒
GET	/requisition/item/{itemId}/QtyMin (PRIVATE) Get Minimum quantity of the requisition	🔒
POST	/requisition/item/{itemId}/{requisition} (PRIVATE) Validate the answer to a requisition	🔒
POST	/requisition/item/{itemId}/ValidateAcceptAnswer (PRIVATE) Validate the answer to an accepted requisition	🔒
POST	/requisition/item/{itemId}/Accept (PRIVATE) Send "Accepted" requisition	🔒
POST	/requisition/item/{itemId}/Report (PRIVATE) Send "Reported" requisition	🔒
POST	/requisition/item/{itemId}/Refuse (PRIVATE) Send "Refused" requisition	🔒

Schemas

The current document does not present the details. Refer to “**Swagger**” section of this document for the details.

You will find below an overview of some schemas.

The complete list of schemas is available in Swagger.

See here: https://app.swaggerhub.com/apis-docs/AR_Belley/Belley_API_Customer_v1/

Schemas
CustomerLogin >
Company >
CustomerUserAccount >
Inventory >
PurchaseOrder >
PurchaseOrderDetail >
ItemDetailApi >
ConsumptionHistory >
ConsumptionHistoryMonthly >
Invoice >
InvoiceDetail >

Order >

OrderDetail >

Release >

ReleaseItem >

ReleaseMessage >

ReleaseDeliveryAddress >

ReleaseMgmtRuleItem >

ReleaseMgmtRule >

ReleaseRequest >

ReleaseItemRequest >

ReleaseValidated >

Requisition >

RequisitionItem >

PriceQuantity >

AcceptRequisitionItem >

ReportRequisitionItem >

RefuseRequisitionItem >

Data structure

Some data types are renamed to get a better view of the real JSON data type.

See <https://swagger.io/docs/specification/data-models/data-types>.

The sequence of the fields may be different from those shown below or shown in Swagger.
Please use a JSON parser that supports this situation.

Workflows

Most of the workflows have one or 2 steps.

An example of a 2 steps workflow will be to get the details of a specific item.

Step 1 : Get the id of the desired item by getting the inventory.

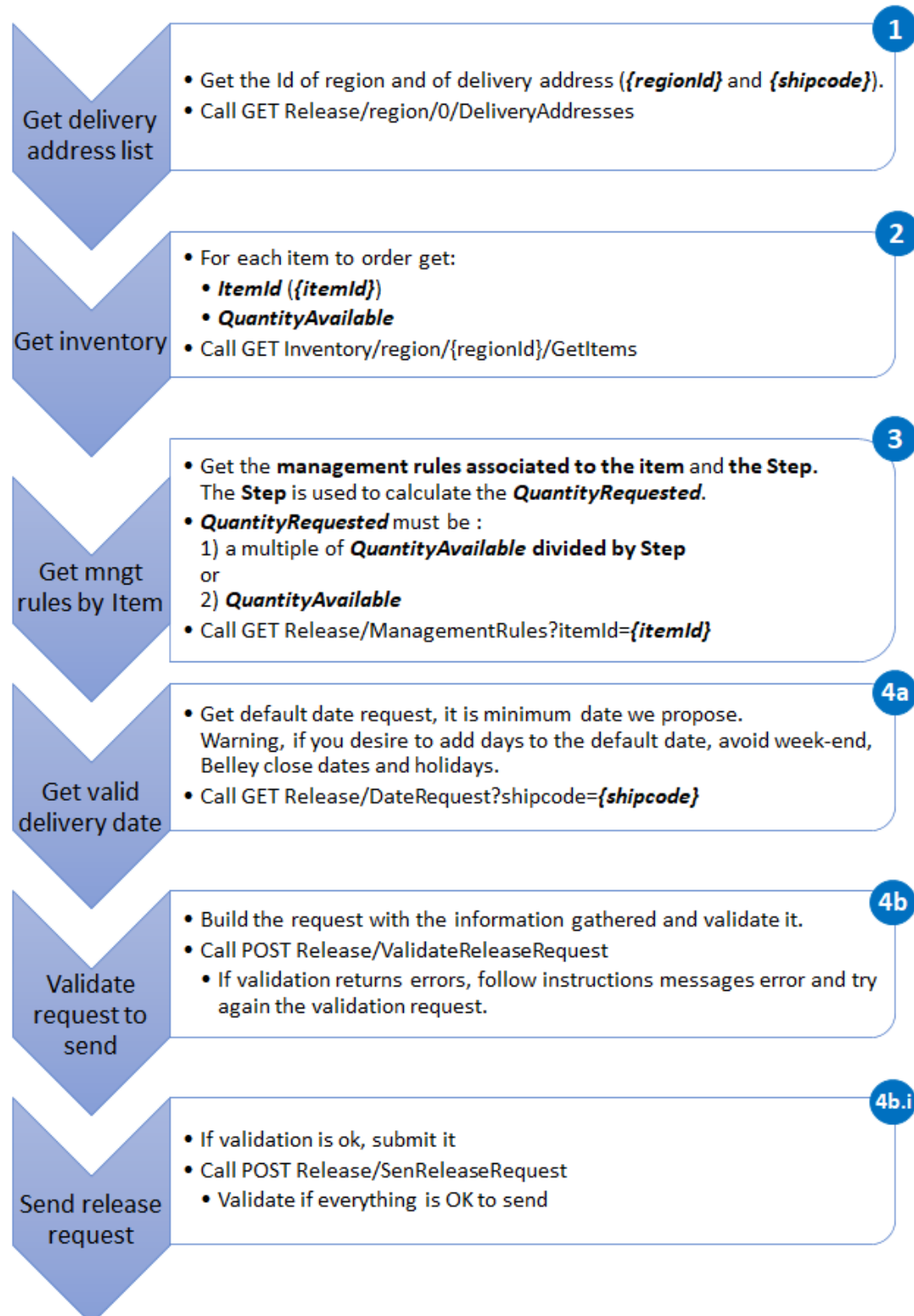
Step 2 : Get the details of the desired item.

Below, you will find the workflows requiring more steps to ensure the success of the desired action.

Releases (Orders)

Path URL: **Customer/v1/Release**

Overview



In details

To order (release) items, the following actions are recommended:

- 1) Call GET `api.belley.net/Customer/v1/Release/region/0/DeliveryAddresses`
In order to get the **{regionId}** and **{shipcode}**
- 2) Call GET `api.belley.net/Customer/v1/Inventory/region/{regionId}/Items`
In order to get the **{itemId}** of each item.
- 3) For each item to order
 - a) Call GET `api.belley.net/Customer/v1/Release/ManagementRules?itemId={itemId}`
In order to get the **rules associated to the item**
and **the Step**
The **Step** is used to calculate the **QuantityRequested**.
QuantityRequested must be
 - 1) a multiple of **(QuantityAvailable or QuantityOnHand) divided by Step**
 - or
 - 2) **(QuantityAvailable or QuantityOnHand)**
 Note: **QuantityAvailable** is obtained via Call GET `api.belley.net/Customer/v1/Inventory/region/{regionId}/Items`
and **QuantityOnHand** is obtained via Call `Customer/v1/Inventory/item/{itemId}/QuantityOnHand`
 - b) Set your **“Customer order number”** according to you company policy. See “Order” section
- 4) Actions to be performed one after the others without delays
 - a) Set a **valid delivery date**
 - i) Get the “Default Date Request”
Call: `Customer/v1/Release/DateRequest?shipcode={shipcode}`
 - ii) If you desire to add days to the default date, you must **avoid weekend** and the **Belley closed date**.
Call GET `api.belley.net/Customer/v1/Release/holidays?shipcode={shipcode}`
to get the dates to avoid.
 - b) Build the request with the information gathered and validate it.
Call POST `api.belley.net/Customer/v1/Release/ValidateReleaseRequest`
 - i) If everything is OK, submit it
Call POST `api.belley.net/Customer/v1/Release/SendReleaseRequest`
 - (1) Validate if everything is OK

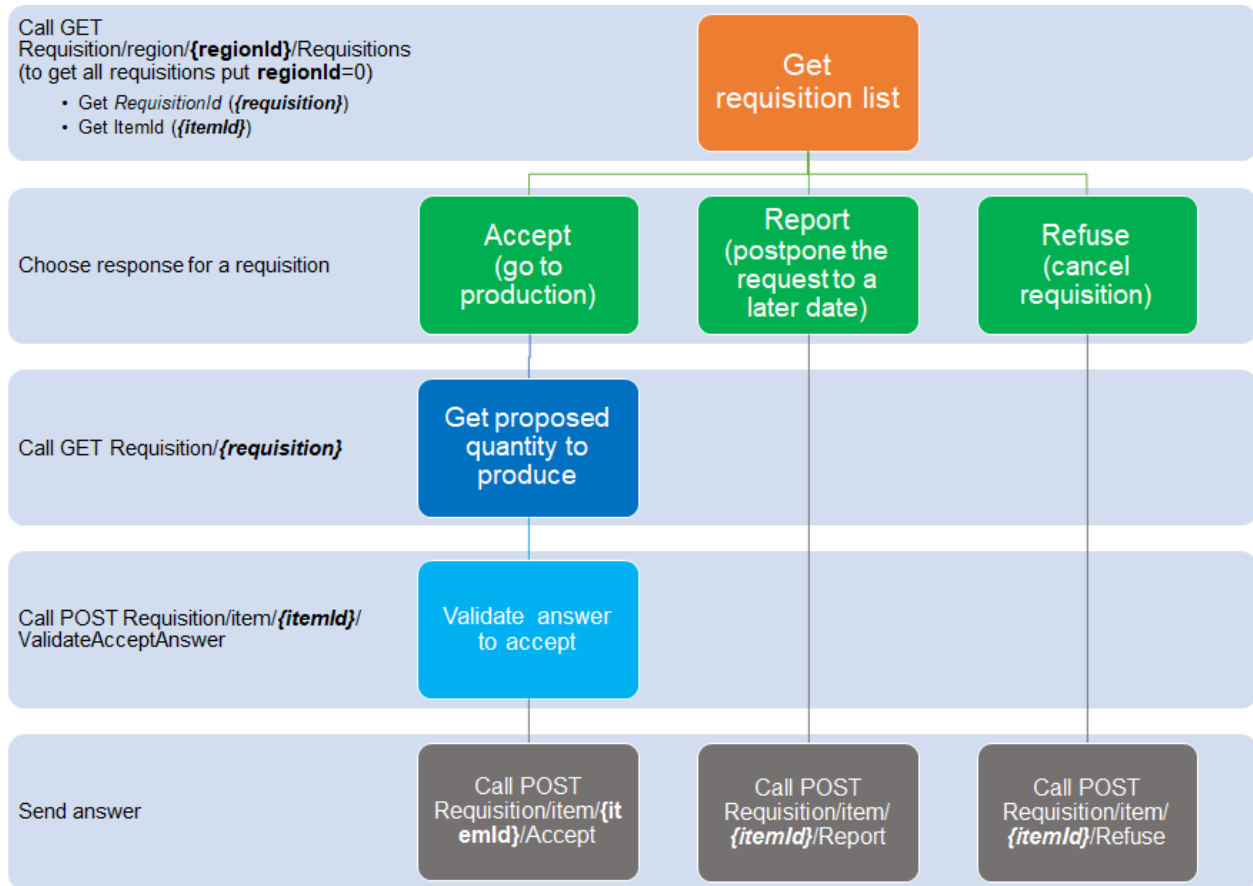
Note 1:

At point (4.b), you can directly go to point (4.b.i) without prior validation. The “Call POST `api.belley.net/Customer/v1/Release/SendReleaseRequest`” will validate everything before executing the action.

Requisitions (Replenishments)

Path URL: Customer/v1/Requisition

Overview



Examples

You can use the Belley API in sandbox mode (test mode), which does not affect your live data at Belley or interact with the users (no email automatically sent, no automated process will be triggered, etc..). The “environment” used to authenticate the request determines whether the request is live mode or test mode.

Interactive tool : Swagger

We use Swagger Hub to present API functions. This web application allows to test live and see result in JSON. We present the model used for request bodies and returns JSON-encoded responses.

Refer to “**Swagger**” section of this document about this interactive tool.

Suggested tool to be installed on your computer : cURL

We present some examples using Curl command. To download cURL go to website:

curl:// <https://curl.haxx.se>.

The output is a JSON format.

Tips: If you use cURL in “Windows Command”, **set the terminal up for UTF-8 handling** by using this command prior sending cURL request: **chcp 65001**

The special characters “é,à,ù, etc...” will then be presented correctly.

Login

Sign In

Return the token [BearerToken] and the user account information (a list of [KeyHdrAPI]).

Call: Customer/v1/Login/**SignIn**?username={Username}&pwd={Password}

Method: GET

Header: None

Permission: None

Parameters:

Key	Type	Description
Username	String	email address used for the transactions
Password	String	

Return: CustomerLogin

CustomerLogin model

Name	Type	Description
AccessToken	String	Token you need to perform API request
ExpiresIn	Long	Number of seconds the token is valid
ExpiresInDate	String	Expiration date of the token
TokenType	String	Token type
Language	String	Two letters. (fr, en, ...)
UserId	GUID	Unique identifier associated to the user account
AccessCustAccount	List<Dictionary<string, string>>	List of key-value pair <KeyHdrAPI, Companyname> Example: [{"ABC01 ARB": "Acme Est Division", "ABC02 ARB": "Acme West Division"}]

Example using “cURL”.

Input

```
curl --location --request GET
```

```
"https://api.belley.net/Customer/v1/login/SignIn?username=your_username&pwd=your_passw  
ord" --header "Content-Type: application/json"
```

Output

[illegible]

Inventory

Get items

Get the entire inventory.

Call: Customer/v1/Inventory/region/{regionId}/Items?language={language}

Method: GET

Header: [AppHeader](#)

Permission: Inventory

Parameters:

Key	Type	Description
regionId	Int	Region ID associated to a region. (ex: "Sherbrooke, Qc"=1)
language	String	Default = null By default, the language set in the user profile will be used.

Return: List<Inventory>

Inventory model

Name	Type	Description
ItemId	GUID	Unique identifier of the item
ItemNumber	String	Belley item number
ItemDescription	String	Belley item description
ClientItemCode	String	
ClientItemDescription	String	
ClientComment	String	
ManagementCode	String	Management type code of item
ManagementDesc	String	Management type description of item
QuantityAvailable	Int	Number of boxes available
QuantityPerBale	Int	Number of boxes per bale
NextDeliveryDate	DateTime?	Next schedule delivery date
QuantityToBeDelivered	Int?	
TotalQuantityPO	Int?	
QuantityConsumed	Int?	
QuantityInProduction	Int?	
RateOfConsumption	Float?	Rhythm of consumption of this box per day
DaysLeft	Int?	Estimated days remaining before being out of stock
QuantityDelivered	Int?	Quantity of the last delivery
EstimatedReceptionDate	DateTime?	
BoxHavingPassedDelayMgmt	Bool	Indicate if the item has passed the agreed management delay.

Example using “cURL”.

Input

```
curl --location --request GET "https://api.belley.net/Customer/v1/Inventory/region/1/Items" --
header "KeyHdrApi: account_ID" --header "Authorization: Bearer your_token"
```

Where:

your_token: Obtain via the SignIn call

account_ID: Obtain via the SignIn call

Output

```
[{"QuantityAvailable":0,"QuantityPerBale":500,"NextDeliveryDate":null,"QuantityToBeDelivered":
0,"TotalQuantityPO":0,"QuantityConsumed":0,"QuantityInProduction":0,"RateOfConsumption":6.
0,"DaysLeft":0,"QuantityDelivered":0,"EstimatedReceptionDate":null,"CustomPOTransfer":false,"
ItemId":"ebf19434-8608-490d-8164-920ff29fb712","ItemNumber":"ABC01-
1010","ItemDescription":"11 3/8 x 10 1/8 x 9 5/8","ClientItemCode":"11 3/8 x 10 1/8 x 9
5/8","ClientItemDescription":"11 3/8 x 10 1/8 x 9
5/8","ClientComment":"","ManagementCode":"G","ManagementDesc":"Gestion au
ballot"},{"QuantityAvailable":0,"QuantityPerBale":500,"NextDeliveryDate":null,"QuantityToBeDeli
vered":0,"TotalQuantityPO":0,"QuantityConsumed":0,"QuantityInProduction":0,"RateOfConsump
tion":0.0,"DaysLeft":0,"QuantityDelivered":0,"EstimatedReceptionDate":null,"CustomPOTransfer"
:false,"ItemId":"f47e9155-029d-400c-8ce0-50438868fe27","ItemNumber":"ABC01-
1020","ItemDescription":"16 x 12 x 10","ClientItemCode":"16 x 12 x
10","ClientItemDescription":"16 x 12 x
10","ClientComment":"","ManagementCode":"M","ManagementDesc":"Make &
ship"},{"QuantityAvailable":0,"QuantityPerBale":500,"NextDeliveryDate":null,"QuantityToBeDeliv
ered":0,"TotalQuantityPO":0,"QuantityConsumed":0,"QuantityInProduction":0,"RateOfConsumpti
on":5.0,"DaysLeft":0,"QuantityDelivered":0,"EstimatedReceptionDate":null,"CustomPOTransfer":f
alse,"ItemId":"fe0a3733-7ec8-42a4-85f7-b01e5f9ab158","ItemNumber":"ABC01-
1000","ItemDescription":"Grande 15 1/8 X 10 1/8 X 9 5/8","ClientItemCode":"Grande 15 1/8 X 10
1/8 X 9 5/8","ClientItemDescription":"Grande 15 1/8 X 10 1/8 X 9
5/8","ClientComment":"","ManagementCode":"G","ManagementDesc":"Gestion au ballot"}]
```

Get Quantity on hand

Get the quantity on hand for a specific item.

Call: Customer/v1/Inventory/item/{*itemid*}/QuantityOnHand

Header: [AppHeader](#)

Method: GET

Permission: Inventory

Parameters:

Key	Type	Description
itemid	GUID	Unique identifier of the item.

Return: int

[Example using "cURL".](#)

Input

```
curl --location --request GET "https://api.belley.net/  
Customer/v1/Inventory/item/itemid/QuantityOnHand" --header "KeyHdrApi: account_ID" --  
header "Authorization: Bearer your_token"
```

Where:

itemid: Obtain via Items call

your_token: Obtain via the SignIn call

account_ID: Obtain via the SignIn call

Output

250

Annexe

Error Messages (Samples)

NOTES:

Messages “**401 - User Account is not found.**” and “**500 - Internal Server Error.**” for any calls who need token and KeyHdrApi can be mean that token it is expired. Please try with new token.

Short Description	Error message
MsgActivateUser	Error while reactivating the user. Please check that the user is not already active.
MsgAnswerQty	The quantity of requisition must be greater than or equal to {0}
MsgAuthorizationTokenEmpty	The user must provide the Authorization token.
MsgClientCommentNotUpdated	The client comment has not been updated.
MsgCustInfoNotFound	Requested Company doesn't exist for {0}.
MsgCustomersToUserAccountNotFound	Not customers linked to User Account '{0}' was found.
MsgDeliveryAddressCodeNotFound	Delivery Address Code {0} was not found.
MsgErrorNotDefined	An inexplicable error occurred, please try again. If the problem persists, please contact the Customer Service at 819-823-4153 or 888-323-5539 to correct the situation.
MsgForbiddenRequest	Please call customer service, you don't have permission to {0}.
MsgGetUserInfo	You don't have permission to get information of this user.
MsgItemDetailNotFound	Item detail is not found.
MsgItemNotFound	Item is not found.
MsgKeyHdrApiEmpty	The user must provide the KeyHdrApi like 'CustomerId CompanyId'.
MsgKeyHdrApildEmpty	The user must provide the KeyHdrApild.
MsgKeyHdrApiSyntax	The KeyHdrApi syntax is not good, it must be like 'CustomerId CompanyId'.
MsgLanguageNotFound	The user doesn't have an associated language.
MsgMinimum3Bales	The release requested must be contains a minimum of 3 bales, you have {0} bales.
MsgNoObjectSending	No object sending.
MsgNotAuthorizedPost	The customer account has not permission to use POST method. Please contact the Customer Service at 819-823-4153 or 888-323-5539 to correct the situation.
MsgNotFound	Requested information was not found with the parameters [{0}].
MsgParameterNotValid	The {0} is not valid.
MsgParameterRequired	The {0} parameter is required.
MsgPoCustomerNumberEmpty	Your PO number is required.
MsgPostponeDateMax	The postponement date must be at most 6 months. Please call customer service to postpone more than 6 months.
MsgPostponeDateMin	The postponement date must be later than today.
MsgReleaseDetailNotFound	Release detail is not found.
MsgReqIdItemNumberNotValid	Please verify Requisition ID and Item Number.
MsgSendEmail	One of the recipient [TO:FROM:CC] must contains one Belley user.

MsgUnauthorizedRequest	You must have Authorization token and you must have permission to {0}
MsgUserAccountInfoNotFound	Requested User Account was not found for {0}.
MsgUserAccountNotFound	User Account is not found.
MsgUserAccountNotFoundForUsername	User Account is not found for username {0}.
MsgUserAccountNotLinkedToCustomer	Please call customer service, the company '{0}' is not assigned to User Account.
MsgUsernameOrPwdIncorrect	The username or password is incorrect.
MsgUserNotActivated	The user is not active.
MsgUserNotConfirmEmail	The user did not confirm email.
MsgUserProfileNotUpdated	The user's profile has not been updated.