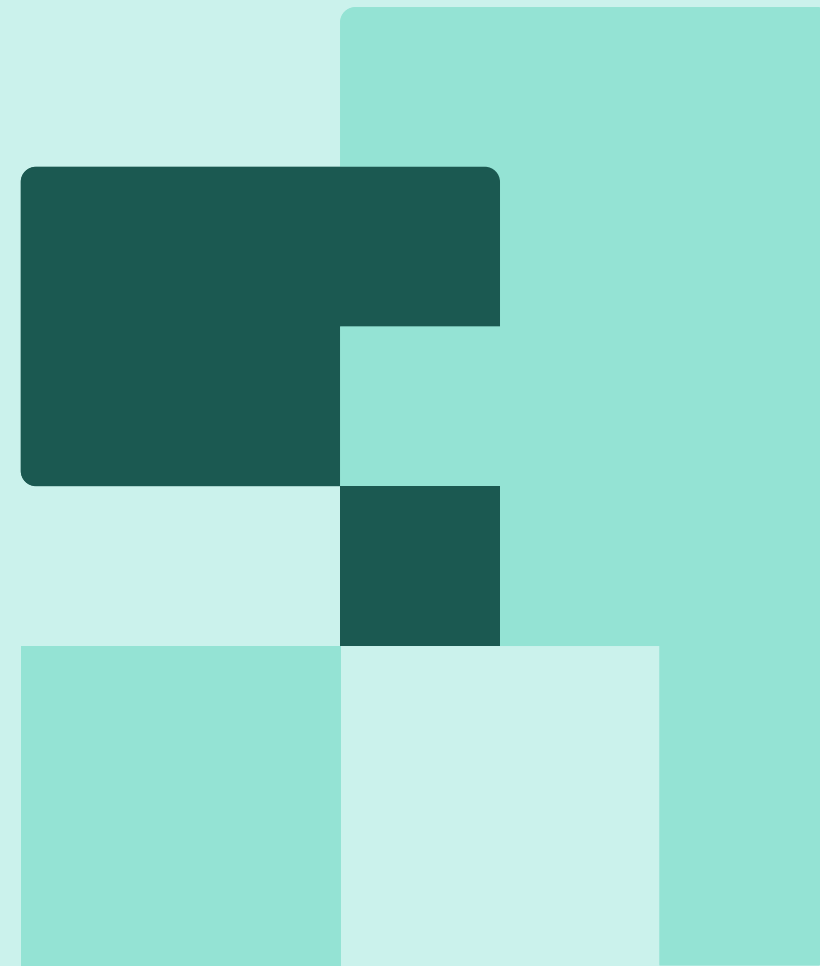


Welcome to the Baloise API Portal



Content

- **Introducing Baloise API portal**
- **Features and roadmap**
- **Registration and Sign in**
- **Levels of access**
- **Baloise B2B customer journey**
- **Subscribe a product**
- **Test an API**
- **Authentication Flow**

Introducing Baloise API portal



Single point of access

- to Baloise company APIs
- to developer resources

Enables developers

- to create opportunities for business growth
- to drive innovation

All by harnessing the power of the **closed-loop network of Baloise**

Features and roadmap

Features

A set of tools and resources

- created for developers
- support for end-to-end flows
- a "built-in" console
- growing focus on business users

Developer resources in various categories (et al.)

- payment services
- customized experiences
- data intelligence
- fraud prevention

Using these Baloise capabilities

Software engineers have the liberty to easily:

- create and test new concepts
- experiment and innovate

Business users are better informed

Roadmap

At launch

- initial set of products

Upcoming releases

- additional products in new categories will be added
- improved focus on business language

Registration and Sign in

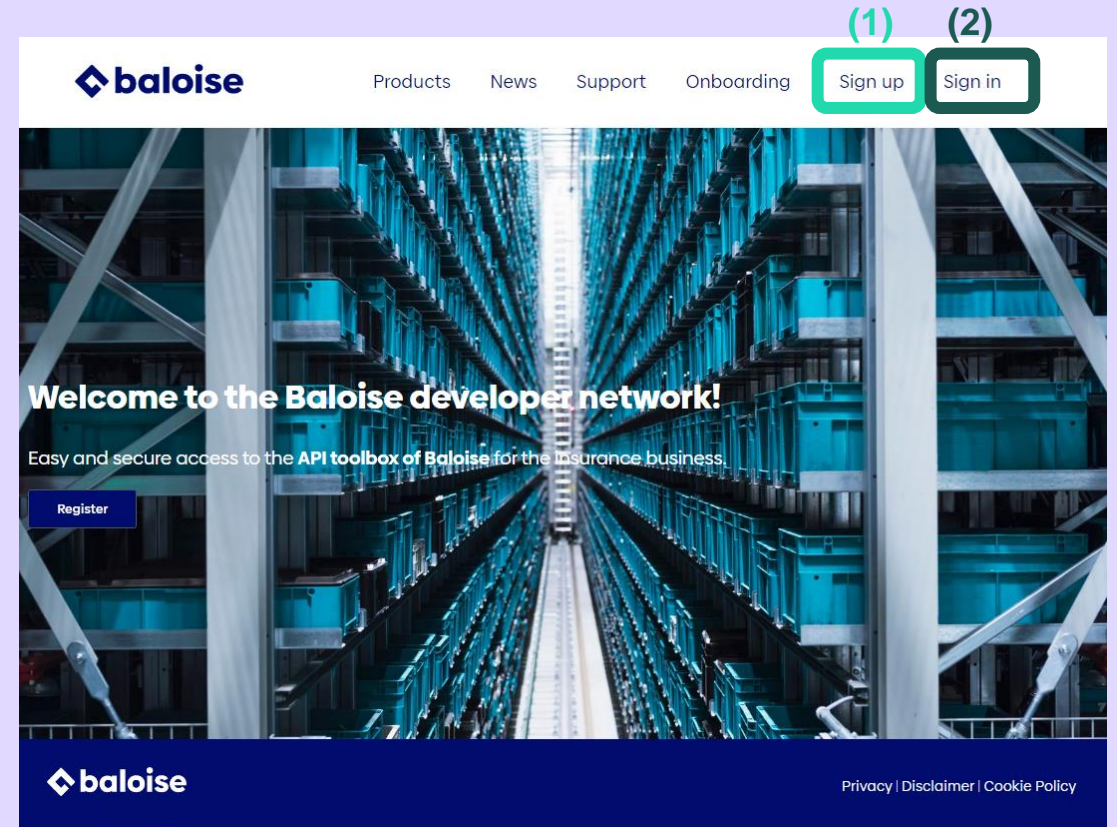
To set up a username (e-mail) and a password

Click the **Sign up** link (1)

After submitting your contact details on the website, you will receive a welcome mail. Click the link in the email to complete the registration process.

Once registered, to access the partner area

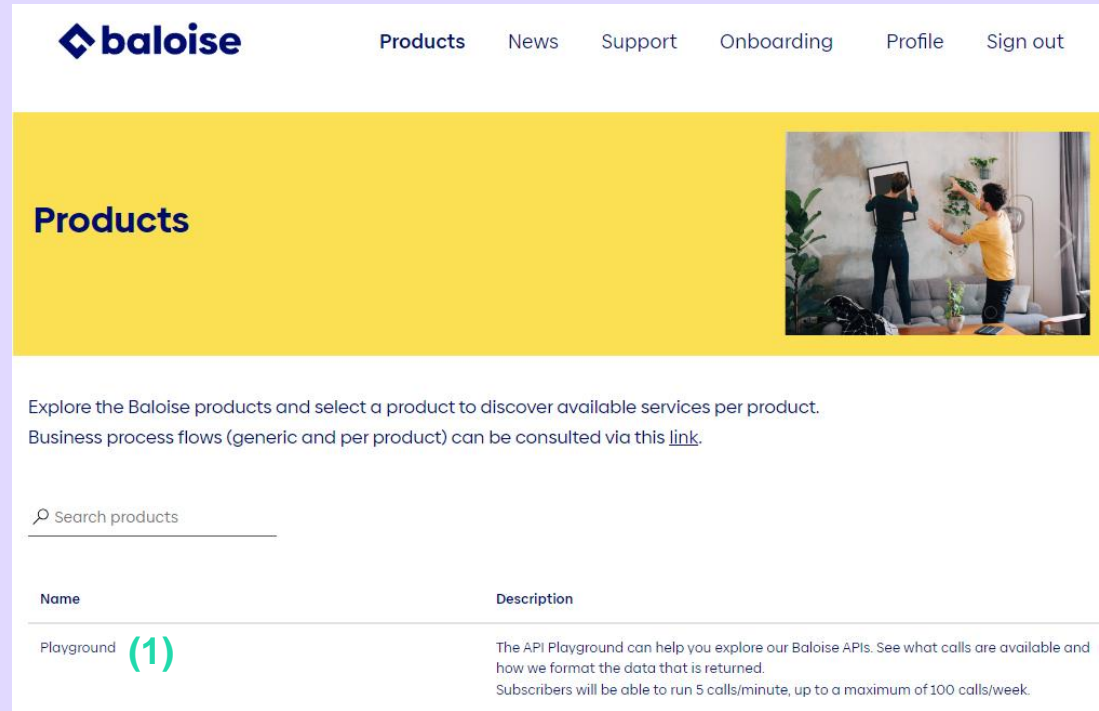
Click the **Sign in** link (2)




Levels of access

Users can proceed through the different steps in the **Baloise B2B customer journey** (detail in next slide)

- **Newly registered** users will only have access to the **playground** product (1)
- Users can **Discover** the API portal and **Try Out** various **products** after subscription of the product. (2)
- **Trusted** users will be allowed to connect to the **production** environment

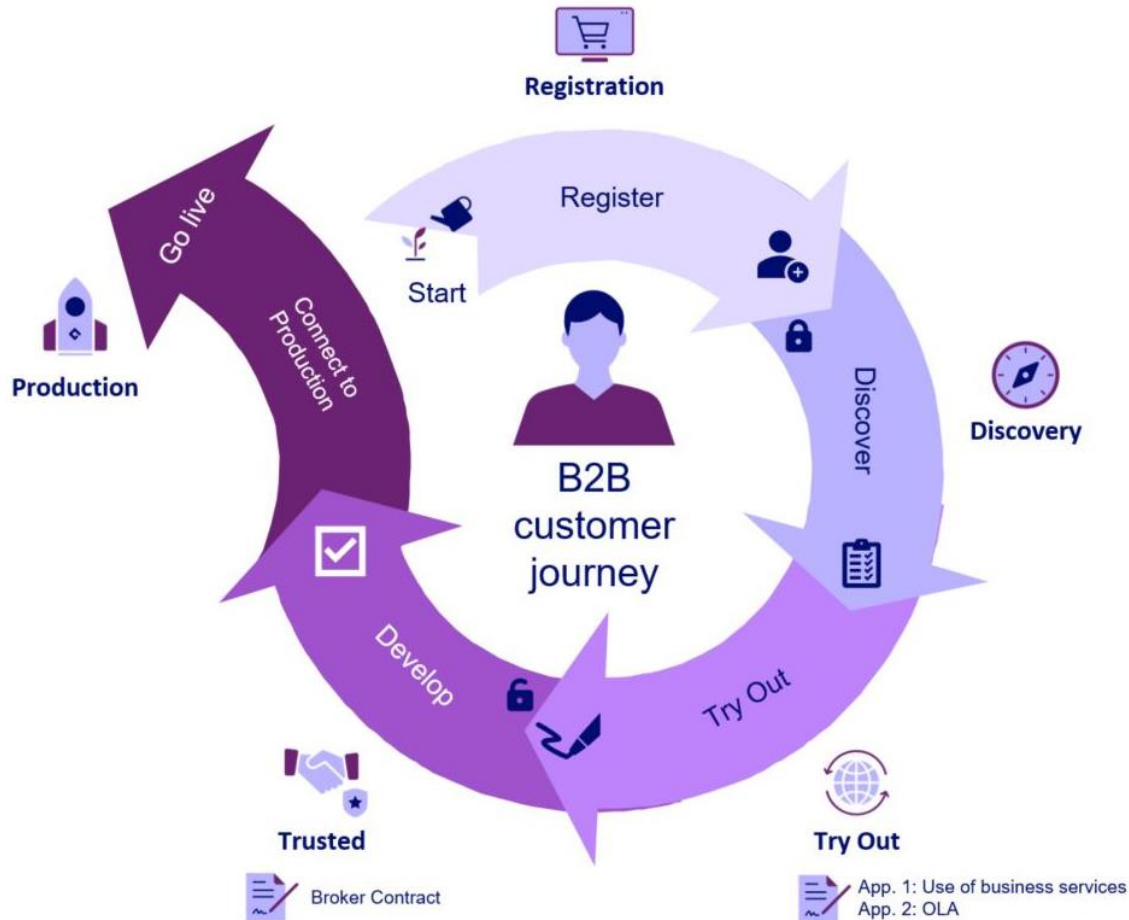


The screenshot shows the 'Products' page of the Baloise B2B customer journey. At the top, there is a navigation bar with the Baloise logo and links for Products, News, Support, Onboarding, Profile, and Sign out. Below the navigation bar is a yellow header with the word 'Products' and a small image of two people in a living room. The main content area has a yellow background and contains the following text: 'Explore the Baloise products and select a product to discover available services per product. Business process flows (generic and per product) can be consulted via this [link](#).' Below this text is a search bar with the placeholder text 'Search products'. A table with two columns, 'Name' and 'Description', is displayed. The first row of the table has 'Playground' in the 'Name' column and '(1)' in the 'Description' column. The 'Description' column contains the text: 'The API Playground can help you explore our Baloise APIs. See what calls are available and how we format the data that is returned. Subscribers will be able to run 5 calls/minute, up to a maximum of 100 calls/week.'



The screenshot shows the 'Car' page of the Baloise B2B customer journey. The page has a yellow background and a green border. At the top, there is a yellow header with the word 'Car' and '(2)'. Below the header is a yellow box with the word 'Two Wheelers' and a green border. The main content area has a yellow background and contains the following text: 'For motorcyclists Baloise offers a very attractive rate with numerous possible discounts. Our Two Wheeler product will provide a discount on your insurance premium if you meet following criteria:' followed by a bulleted list of three criteria: 'You followed and passed a course defensive driving (recognized by MAG);', 'You have a car insurance (passenger car or light truck (up to 3,5 tons)) also managed by Baloise;', and 'Your policy is part of a Family Plan with Safety Pack.' At the bottom of the page, there is a link that says 'More details'.

Baloise B2B customer journey



Gateways



Register via Self Service

via API portal: [Sign up](#)



Request Try Out access

via API portal: [Your subscriptions](#) + send the created e-mail



Agree on contract

via API support: api@baloise.be



Validate development

Locks



Some features are still locked



Some additional features are now unlocked

Direct links:

[Sign up](#)

[Your subscriptions](#)

api@baloise.be

Subscribe a product

On the Products page click link to open **Onboarding** page

Enter your contact details

Select the requested products

Click **E-mail access request** button

Send email

Products



Explore the Baloise products and select a product to discover available services per product. Business process flows (generic and per product) can be consulted via this [link](#).

Search products

Name	Description
Playground	The API Playground can help you explore our Baloise APIs. See what calls are available and how we format the data that is returned. Subscribers will be able to run 5 calls/minute, up to a maximum of 100 calls/week.

Do you want to get more access?

Follow [this](#) procedure to explore additional products.

Access Request

Email:

Name:

Organization:

Comment:

I would like access to:

- Car
- Two Wheelers
- Woning Select

E-mail Access Request

Test an API

Navigation to the try out console

On the product page click on an **API name** (e.g. B2B.Address.City.V2.0)

Name	Description
B2B.Address.City.Street_v2.0 <small>SOAP</small>	This service provides a list of Streets within a City of a certain Country
B2B.Address.City_v2.0 <small>SOAP</small>	This service provides a list of all the cities of Belgium.
B2B.Contract.NonLife.Vehicle.Car_v2.0 <small>SOAP</small>	The purpose of the service is to get a List of vehicles and their detailed info about the Vehicle
B2B.Contract.NonLife.Vehicle.Make_v2.0 <small>SOAP</small>	The purpose of this service is to get a List of all Brands and/or Models of a certain VehicleGroup and VehicleType based on Febiac data.

to access the **details page** which contains:

- (1) list of API operations
- (2) service description
- (3) try it button
- (4) API address
- (5) sample request
- (6) sample response

Click on the **Try It** button to access the **API try out console**

Search operations

B2B.Address.City_v2.0 SOAP

Group by tag

API definition Changelog

POST List

(1)

This service provides a list of all the cities of Belgium.

List

The purpose of this B2B service is to provide a list of all the cities of Belgium.
For the moment only Country 'Belgium' is supported. (2)

- Paging is foreseen, the maximum PageSize is equal to 200.

Documentation:

- Service-Info_B2B.Address.City_List.xlsx

Current ACORP URL

POST <https://acc-webservices.baloise.be:9443/Baloise.B2B.Address.City/Service/2.0>

Request

POST <https://baloiseapiportal.azure-api.net/Baloise.B2B.Address.City/Service/2.0> (4)

Try It

Request body

Service_List_InputMessage

text/xml

CityList_In

(5)

```
<?xml version='1.0' encoding='UTF-8'>
<xsd:element name="CityList_In" type="CityList_In" />
</xsd:element>
</xml>
```

Response: 200 OK

Service_List_OutputMessage

text/xml

CityList_Out

(6)

```
<?xml version='1.0' encoding='UTF-8'>
<xsd:element name="CityList_Out" type="CityList_Out" />
</xsd:element>
</xml>
```

Copy

Test an API

Usage of the try out console

Request body is pre-filled with a **sample request**

→ change parameters to test service behavior

Important: change UserId with a valid user authentication code

Click the **Send** button to call the API

The **response** of a call contains:

- status code:
 - 200 ok
 - 500 error with details
- total latency
- content of the response

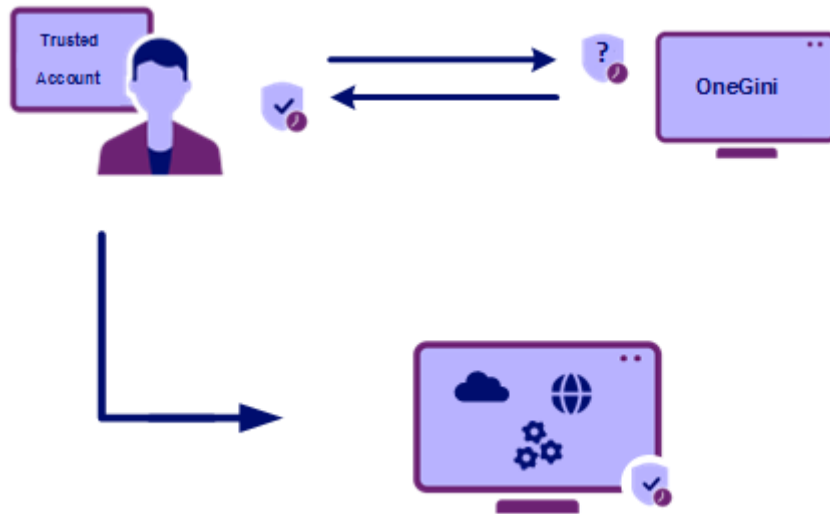
The screenshot displays an API testing interface. At the top, the 'Parameters' section is collapsed. Below it, the 'Headers' section is expanded, showing three headers: 'Content-Type' with value 'text/xml', 'SOAPAction' with value '"http://address.baloise.be/city"', and 'Cache-Control' with value 'no-cache'. The 'Body' section is also expanded, with 'Request body format' set to 'Raw' and 'Sample request body' set to 'CityList_In'. A purple box highlights the '<ns:UserId>[redacted]/ns:UserId' line in the sample request body. The 'Send' button is highlighted with a purple border. On the right, the 'HTTP request' section shows the full SOAP request, including the envelope, header, and body with pagination metadata.

```
POST https://baloiseapiportal.azure-api.net/Baloise.B2B.Address.City/Service/2.0/?soapAction=http://address.baloise.be/city/2.0/Service/List HTTP/1.1

Content-Type: text/xml
SOAPAction: "http://address.baloise.be/city/2.0/Service/List"
Cache-Control: no-cache

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ns="http://baloise.be/2.0" xmlns:list="http://address.baloise.be/city/2.0/list">
  <soapenv:Header>
    <ns:B2BContext>
      <!-- AuthenticationToken or UserId field is mandatory. Please see OnWelcome flow for more information.-->
      <!-- <ns:AuthenticationToken>
        </ns:AuthenticationToken -->
    </ns:AuthenticationToken -->
    <ns:Timestamp>2022-04-01T11:04:21</ns:Timestamp>
    <!-- Optional -->
    <ns:UserId>[redacted]</ns:UserId>
  </ns:B2BContext>
</soapenv:Header>
<soapenv:Body>
  <list:CityList_In>
    <Metadata>
      <!--Optional-->
      <PagingContext>
        <Page>1</Page>
        <PageSize>10</PageSize>
      </PagingContext>
    </Metadata>
  </list:CityList_In>
</soapenv:Body>
</soapenv:Envelope>
```

Authentication flow



Once you want to start integrating your solution, you can request a contracting phase to become a **Trusted** partner.

In this phase you will receive a dedicated account that enables the usage of our APIs based on a **token-based application authentication** which supports any SaaS, PaaS, Cloud-based or On-Premise solution you may host.

The token-based authentication flow consists of two steps:

- Requesting an access token from Onegini
- Using the access token when calling the Baloise API

Authentication glossary

Oauth2: is a standardized protocol for authentication and authorization that is used in the Baloise authentication flow. [More info](#)

access_token: is a short-lived credential that is returned by Onegini and can be used by the B2B consumer for authentication to the Baloise B2B APIs through the **AuthenticationToken** parameter. [More info](#)

client_credentials flow: is the authentication flow defined in the Oauth2 specification that is used for authentication in the Baloise authentication flow. [More info](#)

client_id: is the Onegini client identifier that is used by the B2B consumer when requesting an access token from Onegini. During the onboarding procedure, this identifier will be created by Baloise and communicated to the B2B consumer. [More info](#)

client_secret: is the Onegini client secret that is used by the B2B consumer when requesting an access token from Onegini. During the onboarding procedure, this identifier will be created by Baloise and communicated to the B2B consumer. [More info](#)

expires_in: defines the number of seconds that an access token will be valid from the moment of the request. When an access token becomes invalid, the token endpoint needs to be used to request a new access token from Onegini.

grant_type: defines the authentication flow to be used when requesting an access token from Onegini. In the case of Baloise, the grant type is always *client_credentials*. [More info](#)

Opaque Token: is a type of access token. This access token type is used in the Baloise authentication flow. [More info](#)

Requesting access token

Requesting an access token from Onegini is done through the [Onegini token endpoint](#).

To call this endpoint you need the Onegini client ID and client secret that will be communicated by Baloise during the onboarding process

Request call:

```
POST /oauth/v1/token HTTP/1.1
Host: server.example.com
Authorization: Basic ZXhhbXBsZUFwcDp0aGVtZWNyZXRUaGF0QmVsb25nc1RvVGh1RXhhbXBsZUFwcA==
Content-Type: application/x-www-form-urlencoded
grant_type=client_credentials
```

Response:

```
Content-Type: application/json;charset=UTF-8
{
  "token_type": "bearer",
  "access_token": " BFF2653951F0F3C1FB0899ACA6C62B7D5383AE42DAD6A37CC3344CFA4F1D5410",
  "expires_in": 3600
}
```

Two important fields:

- **access token**: used for authentication with the Baloise APIs
- **Expires_in**: the number of seconds that an access token will be valid from the moment of the request

Using Baloise APIs

After retrieving a valid access token from the Onegini token endpoint, this access token can be used to authenticate the consumer with the Baloise APIs.

Note that an access token can be used for accessing all Baloise APIs a consumer has access to, as long as the token is still valid and has not expired.

There's no need to retrieve separate access tokens for every Baloise API that will be called.

When calling a Baloise API, the access token should be filled in into the AuthenticationToken field of the B2BContext header.

Example of a B2BContext header

```
<soapenv:Header>
  <ns:B2BContext>
    <ns:AuthenticationToken>BFF2653951F0F3C1FB0899ACA6C62B7D5383AE42DAD6A37CC3344CFA4F1D5410</ns: AuthenticationToken>
    <ns:CultureCode>n1BE</ns:CultureCode>
    <ns:Timestamp>2021-07-26T10:30:00</ns:Timestamp>
  </ns:B2BContext>
</soapenv:Header>
```

Good luck!

We are happy to welcome you as our new B2B partner!

In case of questions, please get in touch
with our api support team via
api@baloise.be

