



# API Documentation

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# API Requests Structure

Here is an example of a JSON-format body of an API request.

```
{
  "projection": [],
  "offset": 0,
  "limit": 5,
  "order": {
    "startDateTime": "desc",
    "title": "asc"
  },
  "filter": [
    {
      "projection": "published",
      "operator": "eq",
      "values": [
        true
      ]
    },
    {
      "projection": "name",
      "operator": "eq",
      "values": [
        "EventBank"
      ]
    }
  ],
  "search": {
    "fields": ["givenName", "familyName", "emailAddress"],
    "value": "John",
    "fullText": true
  }
}
```

## Pagination

Provide the offset and limit in order to retrieve a limited amount of items.

## Order

Let you order the requested list using the properties available.

You can add more properties to order with more criteria.

Specify the order by using either ASC or DESC.

## Filter

Let you filter the requested list using the properties available.

For each filters, you need to specify a valid projection, the wanted operator and the values as an array.

## Search

Let you search the requested list using the properties available.

*List of available operators*

Operator	Description
eq	Equal
ne	Not equal
gt	Greater than
ge	Greater than or equal
lt	Less than
le	Less than or equal
lk	Like
nl	Not like
bl	Null
nb	Not null
st	Starts with
ed	Ends with
in	Is in
any	One of

# API Results Structure

Here is an example of a JSON-format return of an API request. We will review each property and how to use them.

```
{
  "code": 200,
  "data": {
    "value": [
      "...",
    ],
    "errors": [
      {
        "code": -1000,
        "messages": [
          "Invalid email format."
        ]
      }
    ],
    "warnings": [
      {
        "code": -2001,
        "messages": [
          "[collaboratorCategories] is not a projectable property"
        ]
      }
    ],
    "metadata": {
      "pagination": {
        "total": 15
      }
    }
  }
}
```

## Code

The code is the HTTP status code from the request.  
It is use to provide a description on the result of the request.

*Common used HTTP Status Codes*

Code	Title	Description
200	OK	Standard response for successful HTTP requests.
201	Created	The request has been fulfilled and resulted in a new resource being created.
400	Bad Request	The request cannot be fulfilled due to bad syntax.
401	Unauthorized	The request was a valid request, but the server is refusing to respond to it.
403	Forbidden	The request was a valid request, but the server is refusing to respond to it. Unlike a 401 Unauthorized response, authenticating will make no difference.
404	Not Found	The requested resource could not be found.
500	Internal Server Error	A generic error message, given when an unexpected condition was encountered and no more specific message is suitable.

## Value

“value” contains the content requested.

## Errors

If you receive “errors”, it indicate a failure.  
It will contain an error code and a message to describe the problem.

## **Warnings**

If you receive “warnings”, it denotes a side-effect caused by the service that could potentially alter user experience, but it is not an indication of failure. It will contain an error code and a message to describe the problem.

## **Metadata**

It contains the pagination count to know the total number of items for this specific request.



# Event Service

## Retrieve The Event List

This endpoint is used to retrieve a list of Event Model that match the request requirements.

Endpoint

POST event/list

Body

```
{
  "projection": [
    "id",
    "title",
    "subTitle",
    "summary",
    "language.code",
    "startDateTime",
    "endDateTime",
    "venueInfo",
    "template",
  ],
  "limit": 10,
  "offset": 0,
  "filter": [
    {
      "projection": "organization.id",
      "operator": "eq",
      "values": [
        75
      ]
    },
    {
      "projection": "published",
      "operator": "eq",
      "values": [
```

```
        true
      ]
    },
    {
      "projection": "openToPublic",
      "operator": "eq",
      "values": [
        true
      ]
    }
  ],
  "order": {
    "startDateTime": "asc"
  }
}
```

## Retrieve The Event List by Status

Those endpoints are used to retrieve a list of Event Model that are : upcoming, current or past.

Endpoints

```
POST event/list/upcoming
POST event/list/ongoing
POST event/list/past
```

Body

```
{
  "projection": [
    "id",
    "title",
    "subTitle",
    "summary",
    "language.code",
    "startDateTime",
    "endDateTime",
    "venueInfo",
    "template",
  ],
  "limit": 10,
  "offset": 0,
  "filter": [
    {
      "projection": "organization.id",
      "operator": "eq",
      "values": [
        75
      ]
    },
    {
      "projection": "published",
      "operator": "eq",
      "values": [
        true
      ]
    }
  ]
}
```

```
        ]
      },
      {
        "projection": "openToPublic",
        "operator": "eq",
        "values": [
          true
        ]
      }
    ],
    "order": {
      "startDateTime": "asc"
    }
  }
}
```

# User Service

## Create an User

Create a new user and return a User Model. An error will be returned if an user with the same email already exist. If successful, you will receive the session token associated to this user in response.

Endpoint

POST user

Body

```
{
  "givenName": "John",
  "familyName": "Doe",
  "email": {
    "value": "john.doe@eventbank.com"
  },
  "passphrase": {
    "value": "password"
  },
  "language": {
    "code": "en"
  }
}
```

Property	Type	Description	Notes
<i>givenName</i>	string	User's given name.	
<i>familyName</i>	string	User's family name.	
<i>email</i>	email	User's email.	
<i>passphrase</i>	passphrase	User's password.	The value should be md5().

Property	Type	Description	Notes
<i>language</i>	Reference Data Model	User's default language.	Use the Reference Data Model format. Please see below.

## Login an User

Login an existing user and receive the session token in response.

Endpoint

```
POST user/session
```

Body

```
{
  "email": {
    "value": "john.doe@eventbank.com"
  },
  "passphrase": {
    "value": "password"
  }
}
```

Property	Type	Description	Notes
<i>email</i>	email	User's email.	
<i>passphrase</i>	passphrase	User's password.	The value should be md5().

## Logout an User

Logout an user. Requires to have an active session.

Endpoint

```
DELETE user/session
```



## Retrieve the User Snapshot

The user snapshot will provide you all the user basic information bound to the current session. Requires to have an active session.

Endpoint

```
GET user/snapshot
```

Return

```
{
  "code": 200,
  "data": {
    "value": {
      "user": {
        "userId": 1337,
        "givenName": "John",
        "familyName": "Doe"
      },
      "account": {
        "defaultLanguage": {
          "code": "en"
        },
        "defaultTimeZone": {
          "cityName": "Hong Kong",
          "gmtOffset": 8,
          "jodaId": "Hongkong"
        }
      },
      "defaultProfilePicture": {
        "descriptor": {
          "id": "5f90c3b6-b199-4b13-83d0-a6dd4f5f0083",
          "uri": "/resources/public/images/square/::size::/5f90c3b6-b199-4b13-83d0-a6dd4f5f0083.png"
        }
      }
    },
    "errors": [ ],
  }
}
```

```

    "warnings": [ ],
    "metadata": [ ]
  }
}

```

Property	Type	Description	Notes
<i>userId</i>	int	User's ID.	
<i>givenName</i>	string	User's given name.	
<i>familyName</i>	string	User's family name.	
<i>defaultLanguage</i>	Reference Data Model	User's default language.	Use the Reference Data Model format. Please see below.
<i>defaultTimeZone</i>	Timezone Model	User's timezone.	Use the Timezone Model format. Please see below.
<i>defaultProfilePicture</i>	Document Model	User's profile picture.	Use the Document Model format. Please see below.

## Retrieve the User Events

Retrieve the list of events that the current user registered. Requires to have an active session. This endpoint will return a list of Event Model.

Endpoint

```
GET user/attendee/events
```

Body

```
{
  "limit": 10,
  "offset": 0,
  "order": {
    "startDateTime": "desc"
  }
}
```

## Retrieve the User Subscriptions

Retrieve the list of email subscriptions that the current user have subscribed with an organization. Requires to have an active session. This endpoint will return a list of Subscription Model.

Endpoint

```
GET connect/subjectSubscriptionList/  
organization/:orgID
```

## Retrieve the User Memberships

Retrieve the list of memberships that the current user have. Requires to have an active session. This endpoint will return a list of Membership Model.

Endpoint

```
GET publishedMembership/activeApplicationList
```

## Keep User logged in between website and EventBank

This endpoint will return a link. This link can be used to keep alive the current logged in user. Requires to have an active session.

Endpoint

```
GET user/redirect/token
```

# Membership Directory Service

## Retrieve The Membership Directory Settings

Retrieve the membership directory settings of an organization. You will receive visibility information for each form field and enabled search field.

```
GET "organization/:orgId/membershipDirectory/settings"
```

Return

```
{
  "visibility" : {
    "directory" : "All",
    "company" : "Show",
    "member" : "All"
  },
  "individualFieldsVisibility" : [
    {
      "key" : "startDate",
      "visibility" : "Public"
    },
    {
      "key" : "givenName",
      "visibility" : "Public"
    },
    {
      "key": "fullName",
      "visibility" : "LoggedIn"
    },
  ],
  "corporateFieldsVisibility" : [
    {
      "key" : "startDate",
```

```

        "visibility" : "Public"
    },
    {
        "key" : "name",
        "visibility" : "Public"
    },
    {
        "key": "groups",
        "visibility" : "Member"
    },
    ],
    "individualSearchFilters" :
        ["emailAddress", "phone", "givenName"],

    "corporateSearchFilters" :
        ["emailAddress", "phone", "name"]
}

```

Property	Type	Description	Notes
<i>visibility</i>	Reference Data Model		
<i>individualFieldsVisibility</i>	Reference Data Model	Individual's field reference	
<i>corporateFieldsVisibility</i>	Reference Data Model	Company's field reference	
<i>individualSearchFilters</i>	Array	Existing field name	
<i>corporateSearchFilters</i>	Array	Existing field name	



## Retrieve The Company Application Form

This endpoint will return a list of company application form.

Endpoint

```
GET organization/:orgId/membership/
  companyApplicationForm
```

Return

```
{
  "warnings": [],
  "errors": [],
  "value": {
    "organizationId": 10,
    "items": [
      {
        "key": "givenName",
        "type": "text",
        "isDefault": true,
        "isRefData": false
      },
      {
        "key": "familyName",
        "type": "text",
        "isDefault": true,
        "isRefData": false
      },
      {
        "key": "language",
        "type": "single_choice",
        "name": {
          "en": "Language"
        },
        "options": [
```

```
        {
            "code": "zh",
            "title": {
                "en": "Mandarin"
            }
        },
        {
            "code": "en",
            "title": {
                "en": "English"
            }
        },
    ],
    "isMandatory": false,
    "isPrivate": false
}
]
```

## Retrieve The Membership Company Directory List

Retrieve the membership companies from the membership directory of an organization. You will receive only active membership companies. This endpoint will return a list of Membership Company Model.

Endpoint

```
POST organization/:orgId/membershipDirectory/
corporateMemberships
```

Body

```
{
  "projection": [],
  "filter": [
    {
      "projection": "featured",
      "operator": "eq",
      "values": [false]
    },
    {
      "projection": "name",
      "operator": "st",
      "values": ["A"]
    },
    {
      "projection": "industry",
      "operator": "eq",
      "values": ["ABCD"]
    }
  ],
  "search": {
    "fields": ["name"],
    "value": "Event",
    "fullText": true
  }
}
```

```
    },  
    "order" : {  
        "name": "asc"  
    },  
    "offset" : 0,  
    "limit" : 20  
}
```

Property	Type	Description	Notes
<i>filter</i>	Reference Data Model	Filter result per field.	
<i>search</i>	Reference Data Model	Search within result.	
<i>order</i>	string	Existing field name.	
<i>offset</i>	int	Start from value.	
<i>limit</i>	int	Max number of result.	

## Retrieve a Membership Company

Retrieve the membership company with the membership company ID. This endpoint will return a Membership Company Model.

Endpoint

```
GET organization/:orgId/membershipDirectory/  
corporate/:membershipId
```

## Retrieve The Member Application Form

This endpoint will return a list of member application form.

Endpoint

```
GET organization/:orgId/membership/individualApplicationForm
```

Return

```
{
  "warnings": [],
  "errors": [],
  "value": {
    "organizationId": 10,
    "items": [
      {
        "key": "givenName",
        "type": "text",
        "isDefault": true,
        "isRefData": false
      },
      {
        "key": "familyName",
        "type": "text",
        "isDefault": true,
        "isRefData": false
      },
      {
        "key": "language",
        "type": "single_choice",
        "name": {
          "en": "Language"
        },
        "options": [
```

```
        {
            "code": "zh",
            "title": {
                "en": "Mandarin"
            }
        },
        {
            "code": "en",
            "title": {
                "en": "English"
            }
        },
    ],
    "isMandatory": false,
    "isPrivate": false
}
]
```

## Retrieve The Membership Member Directory List

Retrieve members from the membership directory of an organization. You will receive only active membership members. This endpoint will return a list of Membership Member Model.

Endpoint

```
POST organization/:orgId/membershipDirectory/members
```

Body

```
{
  "projection": [],
  "filter": [
    {
      "projection": "featured",
      "operator": "eq",
      "values": [false]
    },
    {
      "projection": "familyName",
      "operator": "st",
      "values": ["A"]
    },
    {
      "projection": "properties.color",
      "operator": "eq",
      "values": ["red"]
    }
  ],
  "search": {
    "fields":
      ["givenName", "familyName", "emailAddress", "company
      Name"],
    "value": "Sony",
  }
}
```



```

        "fullText":true
    },
    "order" : {
        "familyName":"asc"
    },
    "offset" : 0,
    "limit" : 20
}

```

Property	Type	Description	Notes
<i>filter</i>	Reference Data Model	Filter result per field.	
<i>search</i>	Reference Data Model	Search within result.	
<i>order</i>	string	Existing field name.	
<i>offset</i>	int	Start from value.	
<i>limit</i>	int	Max number of result.	

## Retrieve a Membership Member

Retrieve the membership member with a specific member ID. This endpoint will return a Membership Member Model.

Endpoint

```
GET organization/:orgId/membershipDirectory/  
member/:memberId
```

# Model Formats

## Event Model

Notes : The event model contains more properties that are used in the administration section.

If you need details on other properties and/or miss an important one, please contact us.

```
{
  "id": 937,
  "language": {
    "code": "en"
  },
  "defaultLanguage": {
    "code": "en"
  },
  "organization": {
    "id": 75,
    "name": "Plopsoft 2",
    "logo": {
      "id": "35d7f6a8-c164-48d0-9091-a2d688e0c202",
      "uri": "/resources/public/images/logo/::size::/35d7f6a8-c164-48d0-9091-a2d688e0c202.png"
    }
  },
  "title": "Test Edit default Ticket",
  "startDateTime": 1453345200000,
  "endDateTime": 1459418400000,
  "venueInfo": {
    "id": 937,
    "venueReusable": false,
    "zoom": 14,
    "name": "Soho",
    "city": [ ],
  },
}
```

```

    "cityName": "Bengaluru",
    "country": {
      "code": "IN",
      "name": "India"
    },
    "latitude": 12.9731,
    "longitude": 77.592385
  },
  "eventRole": {
    "code": "ORGNZ",
    "name": "Lead Organizer"
  },
  "published": true
}

```

Property	Type	Description	Notes
<i>id</i>	int	Event identifier.	
<i>title</i>	string	Event title.	
<i>subTitle</i>	string	Event subtitle.	
<i>summary</i>	text	Event summary.	
<i>startDateTime</i>	timestamp	Start date and time of the event.	
<i>endDateTime</i>	timestamp	End data and time of the event.	
<i>venueInfo</i>	Location Model	Event venue informations.	Use the location model format. Please see below.
<i>eventRole</i>	Reference Data Model	Role of the organization that created the event.	Use the Reference Data model format. Please see below.
<i>eventType</i>	Reference Data Model	Type of the event.	Use the Reference Data model format. Please see below.
<i>industry</i>	Reference Data Model	Industry of the event.	Use the Reference Data model format. Please see below.

Property	Type	Description	Notes
<i>internalContact</i>	Person Model	Person that is responsible of the event. Used by the organization internal staff.	Use the person model format. Please see below.
<i>publicContact</i>	Person Model	Person that is responsible of the event. Used for public information.	Use the person model format. Please see below.
<i>defaultLanguage</i>	Reference Data Model	The main language selected when the event was created.	Use the Reference Data model format. Please see below.
<i>language</i>	Reference Data Model	The current language retrieved.	Use the Reference Data model format. Please see below.
<i>openToPublic</i>	boolean	If that property is true, the event is public and will be displayed on the organization public page.	
<i>published</i>	boolean	If that property is true, the event is published and so accessible from the event public page.	
<i>currencies</i>	Reference Data Model	List of available currencies for the purchase of ticket for that event.	Use the Reference Data model format. Please see below.

# Location Model

The Location Model is used to describe an address such as the event venue.

```
"venueInfo": {
  "name": "EB Office",
  "streetAddress": "Guanghua Lu SOHO",
  "cityName": "Beijing",
  "province": "Beijing",
  "zipCode": "10000",
  "country": {
    "code": "CN",
    "name": "China"
  },
  "info": "Add."
}
```

Property	Type	Description	Notes
<i>name</i>	string	The location name.	
<i>streetAddress</i>	text	The location full address.	
<i>cityName</i>	string	The location city.	
<i>province</i>	string	The location province.	
<i>country</i>	Reference Data Model	The location country.	
<i>zipCode</i>	string	The location zip code.	
<i>info</i>	text	The location extra informations. Can be use for directions etc...	

## Membership Company Model

If you need details on other properties and/or miss an important one, please contact us.

```
{
  "featured": true,
  "membershipId": 78,
  "startDate" : 1482487597000,
  "adminContact":{
    "givenName" : "John",
    "familyName" : "Doe",
    "emailAddress": {
      "value": "john.doe@eventbank.com"
    }
  }
  "id": 21323,
  "industryCode": "INVEST",
  "address": {
    "streetAddress": "Guang Hua Lu",
    "cityName": "Beijing",
    "province": "Beijing",
    "zipCode": "100000",
    "country": {
      "code": "CN"
    }
  },
  "phone": {
    "value": "+86 13456789000"
  },
  "groups": {
    "value": {
      "value": "event"
    }
  },
  "image": {
    "filename": "64e2a82e-8ec0-4417-a584-b3d02f541383.png",
    "id": "64e2a82e-8ec0-4417-a584-b3d02f541383",
    "uri": "/resources/public/images/square/::size::/64e2a82e-8ec0-4417-a584-b3d02f541383.png"
  },
  "name": "EventBank",
  "fax": {
```

```

    "value": "+86 13456789000"
  },
  "companyWebsiteAddress": "www.eventbank.com",
  "members": [
    {
      "id": 22183,
      "phone": {
        "value": "+86 13456789000"
      },
      "givenName": "John",
      "familyName": "Doe",
      "positionTitle": "Engineer",
      "image": {
        "filename": "64e2a82e-8ec0-4417-a584-b3d02f541383.png",
        "id": "64e2a82e-8ec0-4417-a584-b3d02f541383",
        "uri": "/resources/public/images/square/::size::/64e2a82e-8ec0-4417-a584-b3d02f541383.png"
      }
    }
  ]
}

```

Property	Type	Description	Notes
<i>feature</i>	boolean	Is featured.	
<i>membershipId</i>	int	Membership ID.	
<i>startDate</i>	timestamp	Membership start date.	
<i>adminContact</i>	Member Model	Primary member.	
<i>id</i>	int	Company ID.	
<i>industryCode</i>	string	Industry Code.	
<i>address</i>	Location Model	Company address.	
<i>phone</i>	phone	Company phone.	
<i>image</i>	Image Model	Company logo.	
<i>name</i>	string	Company name.	
<i>fax</i>	phone	Company fax.	
<i>companyWebsiteAddress</i>	string	Company website.	



Property	Type	Description	Notes
<i>members</i>	Member Model	Company members	

## Membership Member Model

If you need details on other properties and/or miss an important one, please contact us.

```
{
  "membership" : {
    "id" : 78,
    "startDate" : 1482487597000,
    "featured": true,
    "membershipType":{
      "id": 56
    }
  },
  "individualMember" : {
    "id": 132,
    "membershipId": 78,
    "image": {
      "filename": "64e2a82e-8ec0-4417-a584-b3d02f541383.png",
      "id": "64e2a82e-8ec0-4417-a584-b3d02f541383",
      "uri": "/resources/public/images/square/::size::/64e2a82e-8ec0-4417-a584-b3d02f541383.png"
    },
    "givenName" : "John",
    "familyName" : "Doe",
    "companyName" : "Eventbank",
    "postionTitle" : "Developer",
    "industry": {
      "code": "CONSLT"
    },
    "address": {
      "streetAddress": "Guang Hua Lu",
      "cityName": "Beijing",
      "province": "Beijing",
      "zipCode": "100000",
      "country": {
        "code": "CN"
      }
    },
    "emailAddress": {
      "value": "john.doe@eventbank.com"
    },
  },
}
```

```

        "phone": {
            "value": "+86 15201516676"
        },
    }
}

```

Membership Member Model include two model, **Membership** Model and **IndividualMember** model.

- Membership model:

Property	Type	Description	Notes
<i>id</i>	int	Membership ID.	
<i>startDate</i>	timestamp	Membership start date.	
<i>feature</i>	boolean	Is featured.	
<i>membershipType</i>	int	Membership Type ID.	

- IndividualMember model:

Property	Type	Description	Notes
<i>id</i>	int	Member ID.	
<i>membershipId</i>	int	Membership ID.	
<i>image</i>	Image Model	Member profile picture.	
<i>givenName</i>	string	Member given name.	
<i>familyName</i>	string	Member family name.	
<i>companyName</i>	string	Member company name.	
<i>postionTitle</i>	string	Member position title.	
<i>industry</i>	Reference Data Model	Industry code reference.	
<i>address</i>	Location Model	Member address.	
<i>emailAddress</i>	string	Member email.	
<i>phone</i>	phone	Member phone.	

## Person Model

The Person model is used when you have a person type of information, like a user, a contact etc...

```
"publicContact": {
  "givenName": "David",
  "familyName": "Milo",
  "phoneNumbers": [
    {
      "value": "+86 18612341234"
    }
  ],
  "emailAddresses": [
    {
      "value": "david.milosevic@eventbank.com"
    }
  ]
}
```

Property	Type	Description	Notes
<i>givenName</i>	string	Person's given name.	
<i>familyName</i>	string	Person's family name.	
<i>emailAddresses</i>	email	Person's email.	Returns a list of emails.
<i>phoneNumbers</i>	phone	Person's phone.	Returns a list of phones.

## Reference Data Model

The Reference Data model is used to retrieve a list of a specific property options in a specific language.

For example you can request the list of options for “eventType” in Chinese.

```
"value": [  
  {  
    "code": "en",  
    "name": "English"  
  },  
  {  
    "code": "zh",  
    "name": "中文"  
  }  
]
```

Property	Type	Description	Notes
<i>code</i>	string	Unique identifier for this option.	
<i>name</i>	string	Name in the requested language for this option.	