

API Reference

The REST API provide programmatic access to read and write Qareo data. The REST API identifies Qareo applications and users using an api key; request body and responses are available in JSON.

Callers must add to each call a custom header named **x-api-key**, along with the value of the API key. For example, if the API key value is **bkayZOMvuy8aZOHIgxq94K9Oe7Y70Hw55**, the custom header would be as follows:

```
x-api-key: bkayZOMvuy8aZOHIgxq94K9Oe7Y70Hw55
```

The API base url is

```
https://api.qareo.com/pub
```

Users

A user can be a contact or a member. The difference between contact and member is: a contact is a user not registered yet, a member is a registered user that shares the timeline of his pet with the clinic.

GET /users

Returns the clinic's users list on Qareo.

HTTP request

```
GET /users
```

Parameters

Name	Required	Default value	Description
firstName	optional		The first name of the user
lastName	optional		The last name of the user
fiscalCode	optional		The fiscal code of the user
page	optional	1	The number of the result page
size	optional	20	The number of results per page

Request body

Do not supply a request body with this method.

HTTP response

If successful, this method returns a response body with the following structure:

```
[
  {
    "id": "234",
    "firstName": "Mario",
    "lastName": "Rossi",
    "email": "mario.rossi@email.com",
    "phone": "+393471234353",
    "sex": "male",
    "avatar": "https://",
    "fiscalCode": "SMRGTN79L28E290X",
    "active": false,
    "animals": [
      {
        "id": "546",
        "name": "Pluto",
        "avatar": "https://",
        "microchip": "4343241564",
        "species": "dog",
        "breed": "",
        "sex": "male",
        "weight": 13.5,
        "activity": 7,
        "birthday": "23/12/2009"
      }
    ]
  },
  {
    "id": "154",
    "firstName": "Giuseppe",
    "lastName": "Verdi",
    "email": "giuseppe.verdi@email.com",
    "phone": "+393481275355",
    "sex": "male",
    "avatar": "https://",
    "fiscalCode": "VRDGSP79L28E290X",
    "active": true,
    "animals": [
      {
        "id": "545",
        "name": "Rex",
        "avatar": "https://",
        "microchip": "4342341564",
        "species": "dog",
        "breed": "",

```

```

        "sex": "male",
        "weight": 13.5,
        "activity": 7,
        "birthday": "23/12/2009"
    }
]

},
{
    "id": "567",
    "firstName": "Anna",
    "lastName": "Bianchi",
    "email": "anna.bianchi@email.com",
    "phone": "+393494443563",
    "sex": "female",
    "avatar": "https://",
    "fiscalCode": "NNXBNH79L28E290X",
    "active": false,
    "animals": [
        {
            "id": "546",
            "name": "Candy",
            "avatar": "https://",
            "microchip": "4342221564",
            "species": "dog",
            "breed": "",
            "sex": "female",
            "weight": 13.5,
            "activity": 7,
            "birthday": "23/12/2009"
        }
    ]
}
]

```

Property name	Value	Description
id	string	The id of the user
firstName	string	The first name of the user
lastName	string	The last name of the user
email	string	The email address of the user
phone	string	The phone number of the user (international format)
sex	string	The sex of the user ("male", "female" or empty)

avatar	string	The avatar url of the user
fiscalCode	string	The fiscal code of the user
active	boolean	The flag indicating if the user is a contact (false) or a member (true)
animals	array	The list of user animals

HTTP response status code

Code	Description
200	Success

POST /users

Creates a contact on Qareo.

HTTP request

```
POST /users
```

Parameters

Do not supply any parameters with this method.

Request body

In the request body, supply a user resource with the following properties.

Property name	Value	Description
firstName	string	The first name of the user
lastName	string	The last name of the user
email	string	The email address of the user
phone	string	The phone number of the user (international format)
sex	string	The sex of the user ("male", "female" or empty)
avatar	string	The avatar url of the user
fiscalCode	string	The fiscal code of the user

HTTP response

If successful, the response contains a header "Location" with the id of the new resource created

```
Location: /users/{userId}
```

Status code

Code	Description
201	Created
403	The user is a member or he is not connected to the clinic anymore
404	Resource not found

GET /users/{userId}

Returns a user (contact/member) on Qareo.

HTTP request

```
GET /users/{userId}
```

Parameters

Parameter name	Value	Description
userId	string	The id of the user

Request body

Do not supply a request body with this method.

HTTP response

If successful, this method returns a response body with the following structure:

```
{
  "id": "234",
  "firstName": "Mario",
  "lastName": "Rossi",
  "email": "mario.rossi@email.com",
  "phone": "+393471234353",
  "sex": "male",
  "avatar": "https://",
  "active": false,
  "animals": [
    {
      "id": "546",
```

```
        "name": "Pluto",
        "avatar": "https://",
        "microchip": "4343241564",
        "species": "dog",
        "breed": "",
        "sex": "female",
        "weight": 13.5,
        "activity": 7,
        "birthday": "23/12/2009"
    }
]
```

Property name	Value	Description
id	string	The id of the user
firstName	string	The first name of the user
lastName	string	The last name of the user
email	string	The email address of the user
phone	string	The phone number of the user (international format)
sex	string	The sex of the user ("male", "female" or empty)
avatar	string	The avatar url of the user
active	boolean	The flag indicating if the user is a contact (false) or a member (true)
animals	array	The list of user animals

Status code

Code	Description
200	Success
403	The user is a member or he is not connected to the clinic anymore
404	Resource not found

PUT /users/{userId}

Updates a user (contact) on Qareo.

HTTP request

```
PUT /users/{userId}
```

Parameters

Parameter name	Value	Description
userId	string	The id of the user

Request body

In the request body, supply a user resource with the following properties.

Property name	Value	Description
firstName	string	The first name of the user
lastName	string	The last name of the user
email	string	The email address of the user
phone	string	The phone number of the user (international format)
sex	string	The sex of the user ("male", "female" or empty)
avatar	string	The avatar url of the user
fiscalCode	string	The fiscal code of the user

HTTP response

The response body is empty.

Status code

Code	Description
204	Updated
403	The user is a member or he is not connected to the clinic anymore
404	Resource not found

GET /users/{userId}/animals

Returns the animals of the user on Qareo.

HTTP request

```
GET /users/{userId}/animals
```

Parameters

Parameter name	Value	Description
userId	string	The id of the user

Request body

Do not supply a request body with this method.

HTTP response

If successful, this method returns a response body with the following structure:

```
[
  {
    "id": "546",
    "name": "Pluto",
    "avatar": "https://",
    "microchip": "4343241564",
    "species": "dog",
    "breed": "",
    "sex": "female",
    "weight": 13.5,
    "activity": 7,
    "birthday": "23/12/2009"
  },
  {
    "id": "372",
    "name": "Micio",
    "avatar": "https://",
    "microchip": "65547664",
    "species": "cat",
    "breed": "",
    "sex": "male",
    "weight": 7,
    "activity": 5,
    "birthday": "13/03/2015"
  }
]
```

Property name	Value	Description
id	string	The id of the animal
name	string	The name of the animal
avatar	string	The avatar url of the animal
microchip	string	The microchip identifier of the animal

species	string	The species of the animal ("cat", "dog" or "other")
breed	string	The breed of the animal
sex	string	The sex of the animal ("male", "female" or empty)
weight	double	The weight of the animal
activity	integer	The activity level of the animal (between 1 and 10)
birthday	string	The birthdate of the animal (yyyy-MM-dd)

Status code

Code	Description
200	Success
403	The user is a member or he is not connected to the clinic anymore
404	Resource not found

POST /users/{userId}/animals

Creates an animal for the user on Qareo.

HTTP request

```
POST /users/{userId}/animals
```

Parameters

Parameter name	Value	Description
userId	string	The id of the user

Request body

In the request body, supply an Animal resource with the following properties.

Property name	Value	Description
name	string	The name of the animal
avatar	string	The avatar url of the animal
microchip	string	The microchip identifier of the animal
species	string	The species of the animal ("cat", "dog" or "other")
breed	string	The breed of the animal

sex	string	The sex of the animal ("male", "female" or empty)
weight	double	The weight of the animal
activity	integer	The activity level of the animal (between 1 and 10)
birthday	string	The birthdate of the animal (yyyy-MM-dd)

HTTP response

If successful, the response contains an header "Location" with the id of the new resource created

```
Location: /animals/{animalId}
```

Status code

Code	Description
201	Created
403	The user is a member or he is not connected to the clinic anymore
404	Resource not found

POST /users/{userId}/invites

Creates an invite for the user on Qareo.

HTTP request

```
POST /users/{userId}/invites
```

Parameters

Parameter name	Value	Description
userId	string	The id of the user

Request body

Do not supply a request body with this method.

HTTP response

The response body is empty.

Status code

Code	Description
201	Created
403	The user is a member or he is not connected to the clinic anymore
404	Resource not found
409	Neither email nor phone number configured

POST /users/{userId}/messages

Creates a message for the user on Qareo.

HTTP request

```
POST /users/{userId}/messages
```

Parameters

Parameter name	Value	Description
userId	string	The id of the user

Request body

In the request body, supply a message resource with the following properties.

Property name	Value	Description
message	string	The message for the user

HTTP response

If successful, the response contains a header “Location” with the id of the new resource created

```
Location: /messages/{messageId}
```

Status code

Code	Description
201	Created
403	The user is a member or he is not connected to the clinic anymore
404	Resource not found

POST /users/{userId}/quotes

Creates a quote for the user on Qareo.

HTTP request

```
POST /users/{userId}/quotes
```

Parameters

Parameter name	Value	Description
userId	string	The id of the user

Request body

In the request body, supply a message resource with the following properties.

Property name	Value	Description
number	string	The quote number
date	string	The quote date (yyyy-MM-dd)
total	double	The quote total amount

HTTP response

If successful, the response contains a header “Location” with the id of the new resource created

```
Location: /quotes/{quoteId}
```

Status code

Code	Description
201	Created
403	The user is not connected to the clinic anymore
404	Resource not found

POST /users/{userId}/invoices

Creates an invoice for the user on Qareo.

HTTP request

```
POST /users/{userId}/invoices
```

Parameters

Parameter name	Value	Description
userId	string	The id of the user

Request body

In the request body, supply a message resource with the following properties.

Property name	Value	Description
number	string	The invoice number
date	string	The invoice date (yyyy-MM-dd)
total	double	The invoice total amount

HTTP response

If successful, the response contains a header “Location” with the id of the new resource created

```
Location: /invoices/{invoiceId}
```

Status code

Code	Description
201	Created
403	The user is not connected to the clinic anymore
404	Resource not found

Animals

This resource represents an animal on Oareo.

GET /animals/{animalId}

Returns an animal on Oareo.

HTTP request

```
GET /animals/{animalId}
```

Parameters

Parameter name	Value	Description
animalId	string	The id of the animal

Request body

Do not supply a request body with this method.

HTTP response

If successful, this method returns a response body with the following structure:

```
{
  "id": "546",
  "name": "Pluto",
  "avatar": "https://",
  "microchip": "4343241564",
  "species": "dog",
  "breed": "",
  "sex": "female",
  "weight": 13.5,
  "activity": 7,
  "birthday": "23/12/2009"
}
```

Property name	Value	Description
id	string	The id of the animal
name	string	The name of the animal
avatar	string	The avatar url of the animal
microchip	string	The microchip identifier of the animal
species	string	The species of the animal ("cat", "dog" or "other")
breed	string	The breed of the animal
sex	string	The sex of the animal ("male", "female" or empty)
weight	double	The weight of the animal
activity	integer	The activity level of the animal (between 1 and 10)
birthday	string	The birthdate of the animal (yyyy-MM-dd)

Status code

Code	Description
200	Success
403	The user is a member or he is not connected to the clinic anymore
404	Resource not found

PUT /animals/{animalId}

Updates an animal on Qareo.

HTTP request

```
PUT /animals/{animalId}
```

Parameters

Parameter name	Value	Description
animalId	string	The id of the animal

Request body

In the request body, supply a user resource with the following properties.

Property name	Value	Description
name	string	The name of the animal
avatar	string	The avatar url of the animal
microchip	string	The microchip identifier of the animal
species	string	The species of the animal ("cat", "dog" or "other")
breed	string	The breed of the animal
sex	string	The sex of the animal ("male", "female" or empty)
weight	double	The weight of the animal
activity	integer	The activity level of the animal (between 1 and 10)
birthday	string	The birthdate of the animal (yyyy-MM-dd)

HTTP response

The response body is empty.

Status code

Code	Description
204	Updated
403	The animal is a member or he is not connected to the clinic anymore
404	Resource not found

GET /animals/{animalId}/events

Returns the list of animal events on Qareo.

HTTP request

```
GET /animals/{animalId}/events
```

Parameters

Parameter name	Value	Description
animalId	string	The id of the animal

Request body

Do not supply a request body with this method.

HTTP response

If successful, this method returns a response body with the following structure:

```
[
  {
    "id": "546",
    "date": "23/09/2016T12:30",
    "type": "service",
    "category": "visit",
    "content": "Cardiologia"
  },
  {
    "id": "456",
    "date": "13/08/2016T17:00",
    "type": "service",
    "category": "vaccination",
    "content": "Leishmaniosi"
  },
  {
    "id": "343",
```

```
        "date": "28/07/2016T09:30",  
        "type": "booking",  
        "category": "analysis",  
        "content": "Biochimico"  
    }  
]
```

Property name	Value	Description
id	string	The id of the event
date	string	The date of the event (yyyy-MM-dd'T'HH:mm)
type	string	The type of the event ("booking", "service")
category	string	The category of the event ("analysis", "visit", "vaccination", "diseasePrevention", "antiparasiticTreatment", "bloodTransfusion", "surgery")
content	string	The content description of the event

Status code

Code	Description
200	Success
403	The animal is a member or he is not connected to the clinic anymore
404	Resource not found

POST /animals/{animalId}/events

Creates an animal event on Qareo.

HTTP request

```
POST /animals/{animalId}/events
```

Parameters

Parameter name	Value	Description
animalId	string	The id of the animal

Request body

In the request body, supply an Event resource with the following properties.

Property name	Value	Description
date	string	The date of the event (yyyy-MM-dd'T'HH:mm)
type	string	The type of the event ("booking", "service")
category	string	The category of the event ("analysis", "visit", "vaccination", "diseasePrevention", "antiparasiticTreatment", "bloodTransfusion", "surgery")
content	string	The content description of the event

HTTP response

If successful, the response contains an header "Location" with the id of the new resource created

```
Location: /events/{eventId}
```

Status code

Code	Description
201	Created
403	The animal is a member or he is not connected to the clinic anymore
404	Resource not found

Events

This resource represents an animal event on Qareo.

GET /events/{eventId}

Returns an animal event on Qareo.

HTTP request

```
GET /events/{eventId}
```

Parameters

Parameter name	Value	Description
eventId	string	The id of the animal event

Request body

Do not supply a request body with this method.

HTTP response

If successful, this method returns a response body with the following structure:

```
{
  "id": "456",
  "date": "13/08/2016T11:00",
  "type": "booking",
  "category": "vaccination",
  "content": "Leishmaniosi"
}
```

Property name	Value	Description
id	string	The id of the event
date	string	The date of the event (yyyy-MM-dd'T'HH:mm)
type	string	The type of the event ("booking", "service")
category	string	The category of the event ("analysis", "visit", "vaccination", "diseasePrevention", "antiparasiticTreatment", "bloodTransfusion", "surgery")
content	string	The content description of the event

Status code

Code	Description
200	Success
403	The animal not connected to the clinic anymore
404	Resource not found

POST /events/{eventId}/files

Uploads an attachment for the animal event on Qareo.

To upload a file, the POST must be a **multipart/form-data** request and it must have a form-field called **file** to which the file will be the input.

HTTP request

```
POST /events/{eventId}/files
```

Parameters

Parameter name	Value	Description
eventId	string	The id of the animal event

Request body

In the request body, supply the byte array of the file to be uploaded.

HTTP response

If successful, the response contains an header “Location” with the id of the new resource created

```
Location: /files/{fileId}
```

Status code

Code	Description
201	Created
403	The animal not connected to the clinic anymore
404	Resource not found
500	Internal server error

Quotes

This resource represents a quote on Qareo.

POST /quotes/{quoteId}/files

Uploads the attachment for the quote on Qareo.

To upload a file, the POST must be a **multipart/form-data** request and it must have a form-field called **file** to which the file will be the input.

HTTP request

```
POST /quotes/{quoteId}/files
```

Parameters

Parameter name	Value	Description
quoteId	string	The id of the quote

Request body

In the request body, supply the byte array of the file to be uploaded.

HTTP response

The response body is empty.

Status code

Code	Description
201	Created
403	The user is not connected to the clinic anymore
404	Resource not found
500	Internal server error

Invoices

This resource represents an invoices on Qareo.

POST /invoices/{invoiceId}/files

Uploads the attachment for the invoice on Qareo.

To upload a file, the POST must be a **multipart/form-data** request and it must have a form-field called **file** to which the file will be the input.

HTTP request

```
POST /invoices/{invoiceId}/files
```

Parameters

Parameter name	Value	Description
invoiceId	string	The id of the invoice

Request body

In the request body, supply the byte array of the file to be uploaded.

HTTP response

The response body is empty.

Status code

Code	Description
------	-------------

201	Created
403	The user is not connected to the clinic anymore
404	Resource not found
500	Internal server error