Qodeme server API specification

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Method: accountRenewToken

### 

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### General description

A server API version for development located in: http://54.84.75.30/[api](http://qodeme.uran.in.ua/api/ios/)

We will use short for API method name

Short form if URI will be used in the document: API\_URL/{method\_name}/

All methods are working with same principle:

Parameters transfering with help POST-method, HTTP protocol and url: API\_URL/{method\_name}/

Results of methods will have type = application/json, with object which was serialized in to JSON and will have folowing format:

{status: int;

error: string;

result: Object/int}

where

status – int parameter with value: 0 in case request was processed successfully, or error code - in case server return error

error – string parameter of error description

result – data object, results of method execution (structure depends from a method) or null, in case error.

unknown error — 100

Server return session token after authorization, which should be included to the header part of each request (except login and registration) in parameter x-authtoken.

Token expiration time is 5 minutes, after last usage.

Authorization error code (invalid token) – 99.

Google PUSH-massages can be initialized with help **register\_token**, this request send Google Registration ID of current user. PUSH-messages has format of associate array with fields:

"type" => message type

"id" => message ID

"message" => message text

"created" => creation time

"from\_qrcode" => sender QR

"chat\_id" => chat ID

Type of PUSH-messages:

1. Message in Chat

2. Contact added

3. Invitation accepted

4. Invitation rejected

5. Invitation blocked

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### Method**: account\_create**

API\_URL/account\_create

Description: Create new user account

Request parameters:

|  |  |  |
| --- | --- | --- |
| password | string(32) | md5 hash of password |

UUID string Unique device sequence



Response fields:

|  |  |  |
| --- | --- | --- |
| id | bigint | user ID |
| qrcode | string | user QR-code |
| token | string | auth session token |

***Error types:***

|  |  |
| --- | --- |
| **status / error code** | **description** |
| 101 | validation error (empty password) |

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### Method**: account\_login**

API\_URL/account\_login

Request parameters:

|  |  |  |
| --- | --- | --- |
| qrcode | string | user qrcode |
| password | string(32) | md5 hash of password |
| UUID | string | Unique device sequence |

Response fields:

|  |  |  |
| --- | --- | --- |
| id | bigint | user Id |
| chat\_member\* | chatObject[] , where  chatObject = { id: bigint, qrcode: string, title: string, tags: string, color: int } | array of group chat in which the user has membership |
| contacts\* | contactObject[] , where  contactObject = { id: bigint, qrcode: string, title: string, color: int, private\_chat\_id: int } | contacts array |
| token | string | auth token |

\* removed acording to [US1307\_31\_12-6](http://yt.local:8080/issue/US1307_31_12-6)

### Method: account\_logout

API\_URL/account\_login

Without parameters



Response is empty in case success

***Error types:***

|  |  |
| --- | --- |
| **status / error code** | **description** |
| 201 | incorrect password |

|  |  |  |
| --- | --- | --- |
|  |  |  |

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### Method: account\_contacts

API\_URL/account\_contacts

Without parameters



Response fields:

|  |  |  |
| --- | --- | --- |
| chat\_member | chatObject[] , where  chatObject = { id: bigint, qrcode: string, title: string, tags: string, color: int, type:int, chat\_height: string } | Array of group chats |
| contacts | contactObject[] , where  contactObject = { id: bigint, qrcode: string, title: string, color: int, private\_chat\_id: int } | Array of contacts.  Note: private\_chat\_id - one2one chat id, type=0(private)). |

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### Method: accountRenewToken

API\_URL/account\_contacts

Parameters:

|  |  |  |
| --- | --- | --- |
| UUID | string | Unique device ID |



Response fields:

|  |  |  |
| --- | --- | --- |
| id | bigint | User id |
| token | string | auth token |

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### Method: **chat\_create**

API\_URL/chat\_create

Note: It create private/public group chats.

Parameters:

|  |  |  |
| --- | --- | --- |
| type | int | 0=private  1=private\_group  2=public\_group |
| title | string | title of a chat |
| tags | string | optional | tags |
| color | int | optional | color |

Response fields:

|  |  |  |
| --- | --- | --- |
| id | bigint | Group chat id. |
| type | int | 1=private\_group  2=public\_group |
| members | string[] | array of members qrcodes |
| qrcode | string | qrcode string of chat |

### Method: chat\_set\_info

API\_URL/chat\_set\_info

Note: Those settings stored separately for each member of the chat.

Parameters:

|  |  |  |
| --- | --- | --- |
| id | int | Chat id (one2one/group) |
| title | string(50) | title |
| color  chat\_height | int  string | color  chat height |

Response is empty in case success

***Error types:***

|  |  |
| --- | --- |
| **status / error code** | **description** |
| 301 | validation error |
| 302 | chat not found |

### Method: **chat\_add\_member**

API\_URL/chat\_add\_member

Note: It is using only for group chats to add chat member

Parameters:

|  |  |  |
| --- | --- | --- |
| chat\_id | string | unique key of chat |
| member\_qrcode | string | qrcode of new member |

Response fields

|  |  |  |
| --- | --- | --- |
| id | bigint | Chat id |
| type | int | 1=private  2=public |
| members | string[] | array of members qrcodes |
| qrcode | string | qrcode string of chat |

***Error types:***

|  |  |
| --- | --- |
| **status / error code** | **description** |
| 401 | fields validation error |
| 402 | already member, in case user tried to add a member which is already a member |
| 403 | permissions denied. In case user wants to access to closed group. |
| 404 | chat not found |

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### Method: **chat\_message**

API\_URL/chat\_message

Note: Send message to one2one/group chat.

Parameters:

|  |  |  |
| --- | --- | --- |
| chat\_id | bigint | Chat id |
| message | string(500) | message |

datetime unix timestamp message creation timestamp

Response fields:

|  |  |  |
| --- | --- | --- |
| id | bigint | message id |

***Типы ошибок:***

|  |  |
| --- | --- |
| **status / error code** | **description** |
| 501 | not a member. |
| 502 | chat not found |

101 enter values not set

### Method: **chat\_load**

API\_URL/chat\_load

Note: Provide all info about a chat: type, members, messages.

Response return messages by pages with limit, and reverse sort order

Parameters:

|  |  |  |
| --- | --- | --- |
| chat\_id | bigint | chat id |
| page | int (default=0) | page number |
| limit | int (default=25) | message limit for one page |

Поля объекта ответа:

|  |  |  |
| --- | --- | --- |
| id | bigint | chat id |
| type | int | 0=private  1=private\_group  2=public\_group |
| members | string[] | array of members qrcodes |
| qrcode | string | qrcode of chat |
| messages | messageObject[] , where  messageObject = { id, created: timestamp, from\_qrcode: string, message: string, state: int } | array of messages in the chat |

***Error types:***

|  |  |
| --- | --- |
| **status / error code** | **description** |
| 601 | not a member. when a user to get info of chat, in which the user is not a member |
| 602 | chat not found |

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### Method: **contact\_add**

API\_URL/contact\_add

Note: Add to contact list and create a one2one chat for members

Parameters:

|  |  |  |
| --- | --- | --- |
| partner\_qrcode  message  public\_name | string  string  string | qrcode of a new contact  message  public name |
| location | string | location |

Response fields:

|  |  |  |
| --- | --- | --- |
| cont\_arr | array | array of data |



### Method: contact\_set\_info (deprecated, removed)

API\_URL/contact\_set\_info

Deprecated. The method was combinated with and

Параметры:

|  |  |  |
| --- | --- | --- |
| id | int | contact id |
| title | string(50) | title |
| color | int | color |
|  |  |  |

Response is empty in case success

***Error types:***

|  |  |
| --- | --- |
| **status / error code** | **description** |
| 701 | user not found |
| 702 | no permission |

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### Method: **contact\_remove**

API\_URL/contact\_remove

Parameters:

|  |  |  |
| --- | --- | --- |
| contact\_id | bigint | contact id |

Response is empty in case success



***Error types:***

|  |  |
| --- | --- |
| **status / error code** | **description** |
| 801 | Contact wasn’t found |

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### Method: **chat\_drop\_member**

API\_URL/chat\_drop\_member

Параметры:

|  |  |  |
| --- | --- | --- |
| chat\_id | bigint | chat id |
| qrcode | string | qrcode |

Response is empty in case success

***Error types:***

|  |  |
| --- | --- |
| **status / error codes** | **description** |
| 901 | permissions denied |
| 902 | not a member |
| 903 | chat not found |

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### Method: lookup

Note: Search public chats by title and tags.

Parameters:

|  |  |  |
| --- | --- | --- |
| q | string | search request |

Response fields:

|  |  |  |
| --- | --- | --- |
| searchResult | chatObject[] , whete  chatObject = { id: bigint, qrcode: string, title: string, tags: string } | result of search: array of group chats |

### Method: register\_token

API\_URL/chat\_message

Note: Is using to set Google Registration ID of current user

Parameters:

|  |  |  |
| --- | --- | --- |
| push\_token | varchar(255) | Google Registration ID for current user |

Response is empty in case success

***Error types:***

|  |  |
| --- | --- |
| **status / error code** | **description** |
|  |  |
|  |  |

### Method: contact\_accept

API\_URL/contact\_accept

Параметры:

|  |  |  |
| --- | --- | --- |
| partner\_qrcode  mesasge  public\_name | string  string  string | qrcode  message  public\_name |
|  |  |  |

push\_notification 'contact accept' and “all clear” response in case success.

### 

### Method: contact\_reject

API\_URL/contact\_reject

Parameters:

|  |  |  |
| --- | --- | --- |
| partner\_qrcode | string | qrcode of contact |
|  |  |  |

push\_notification 'contact reject’ and response “all clear” in case succes.

### Method: contact\_block

API\_URL/contact\_block

Parameters:

|  |  |  |
| --- | --- | --- |
| partner\_qrcode | string | qrcode of contact |
|  |  |  |

In case success: push\_notification 'contact block’ ans response “all clear”.

### Method: get\_user\_settings

API\_URL/get\_user\_settings

Without parameteres.



response fields:

|  |  |  |
| --- | --- | --- |
| settings | settingsObject[] , where  settingsObject = { id: int, user\_id: int, message: string, with\_message: int, public\_name: string,  with\_pubname: int, auto\_accept: int,  location: string, datetime: timestamp,set\_timeloc: int} | Settings object |

### Method: set\_user\_settings

API\_URL/set\_user\_settings

Parameters:

|  |  |  |
| --- | --- | --- |
| message | string | message |
| with\_message | int | flag, send with message |
| public\_name | string | public name |
| with\_pubname | int | flag, send with public name |
| auto\_accept | int | flag, auto-accept of contact |
| location | string | location |
| datetime | timestamp | time marker |
| set\_timeloc | int | flag, save time and location |







Response is “all clear” in case success.

### Method: messageRead

API\_URL/messageRead

Parameters:

|  |  |  |
| --- | --- | --- |
| message\_id | int | message id |
|  |  |  |

Поля объекта ответа:

|  |  |  |
| --- | --- | --- |
| id | int | message id |
| chat\_id | int | chat id |
| state | int | state |

push\_notification 'Message was read’ in case success.

### Method: contactSetLocation

API\_URL/contactSetLocation

Parameters:

|  |  |  |
| --- | --- | --- |
| contact\_id | int | contact id |
| location | string | location |

Response is “all clear” in case success.

### Method: accountRenewToken

API\_URL/accountRenewToken

Parameters:

|  |  |  |
| --- | --- | --- |
| contact\_id | int | contact id |
| location | string | location |

Response is “all clear” in case success.