**Rocket Chat APIs usage**

**Login Api (POST):**

<https://iamflexi.com/iamflexi/api/v1/login>

Parameters:

{

"user": "sp\_umar@live.com",

"password": "a"

}

If the login is successful then the following result is return by the server:

{

"status": "success",

"data": {

"authToken": "9HqLlyZOugoStsXCUfD\_0YdwnNnunAJF8V47U3QHXSq",

"userId": "aobEdbYhXfu5hkeqG",

"me": {

"\_id": "aYjNnig8BEAWeQzMh",

"name": "Rocket Cat",

"emails": [

{

"address": "rocket.cat@rocket.chat",

"verified": **false**

}

],

"status": "offline",

"statusConnection": "offline",

"username": "rocket.cat",

"utcOffset": -3,

"active": **true**,

"roles": [

"admin"

],

"settings": {

"preferences": {}

},

"avatarUrl": "http://localhost:3000/avatar/test"

}

}

}

**authToken** and **userId** will be used to authenticate the user and to call all other APIs.

**User Presence (GET):**

[https://iamflexi.com/iamflexi/](https://iamflexi.com/iamflexi/api/v1/login)api/v1/users.presence

Authentication is required for that api, userId and authToken shall be passed in Headers.

Following is the success result:

{

    "users": [

        {

            "\_id": "rocket.cat",

            "name": "Rocket.Cat",

            "username": "rocket.cat",

            "status": "online",

            "utcOffset": 0

        },

        {

            "\_id": "uH9TtCcWbrPwCPmMe",

            "status": "online",

            "name": "admin",

            "username": "Absolute\_Legacy",

            "utcOffset": 5

        }

    ],

    "full": true,

    "success": true

}

If authToken/userId is expired or invalid then following is the result:

{

    "status": "error",

    "message": "You must be logged in to do this."

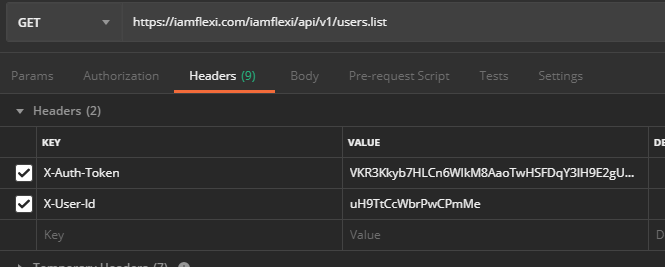
}

**All Users (GET):**

<https://iamflexi.com/iamflexi/api/v1/users.list>

From that API we get all users with their online/offline status

Authentication is required to call that api , userId and authToken shall be passed in Headers.



In response we get the following result:

{

    "users": [

        {

            "\_id": "yiqdoAKMB3CcCwSM2",

            "createdAt": "2019-10-15T21:35:32.516Z",

            "username": "thekatler",

            "emails": [

                {

                    "address": "thekatler@hotmail.com",

                    "verified": false

                }

            ],

            "type": "user",

            "status": "online",

            "active": true,

            "\_updatedAt": "2020-01-26T12:37:23.195Z",

            "roles": [

                "user"

            ],

            "name": "Prashant",

            "settings": {},

            "lastLogin": "2020-01-26T12:37:21.945Z",

            "statusConnection": "online",

            "utcOffset": 5

        }

    ],

    "count": 6,

    "offset": 0,

    "total": 6,

    "success": true

}

**Note:** Room Id is not available in that api.

**IM List (GET):**

<https://iamflexi.com/iamflexi/api/v1/im.list>

From that api we get all the chat users but in this api online/offline status is not return. Pass X-Auth-Token and X-User-Id in header and we get the following result:

{

"ims": [

{

         "\_id":"uH9TtCcWbrPwCPmMeyiqdoAKMB3CcCwSM2",  
         "\_updatedAt":"2020-01-26T13:05:08.280Z",  
         "msgs":62,  
         "t":"d",  
         "ts":"2019-10-15T22:01:34.292Z",  
         "usernames":[

            "Absolute\_Legacy",  
            "thekatler"

],  
         "usersCount":2,  
         "lastMessage":{

            "\_id":"LQaSTGXiX9Po5WDYd",  
            "rid":"uH9TtCcWbrPwCPmMeyiqdoAKMB3CcCwSM2",  
            "msg":"hi",  
            "ts":"2020-01-26T13:05:07.966Z",  
            "u":{

               "\_id":"yiqdoAKMB3CcCwSM2",  
               "username":"thekatler"

},  
            "mentions":[

],  
            "channels":[

],  
            "\_updatedAt":"2020-01-26T13:05:08.154Z"

},  
         "lm":"2020-01-26T13:05:07.966Z",  
         "jitsiTimeout":"2019-11-06T21:01:49.581Z"

}, ],

"offset": 0,

"count": 5,

"total": 5,

"success": true

}

**Chat Room for the specific user (GET):**

<https://iamflexi.com/iamflexi/api/v1/im.messages?roomId=uH9TtCcWbrPwCPmMeyiqdoAKMB3CcCwSM2&count=30>

In get messages api the count is used to get the limited number of messages, if we didn’t give the count value in params then it will get all the messages.

authToken and user id should be provided in Headers.

Following is the result of that api:

{

"messages": [

{

"\_id": "LQaSTGXiX9Po5WDYd",

"rid": "uH9TtCcWbrPwCPmMeyiqdoAKMB3CcCwSM2",

"msg": "hi",

"ts": "2020-01-26T13:05:07.966Z",

"u": {

"\_id": "yiqdoAKMB3CcCwSM2",

"username": "thekatler"

},

"mentions": [],

"channels": [],

"\_updatedAt": "2020-01-26T13:05:08.154Z"

},

{

"\_id": "fae4d616-33e1-4cb7-b18f-e226d5f78393",

"rid": "uH9TtCcWbrPwCPmMeyiqdoAKMB3CcCwSM2",

"msg": "Hello",

"ts": "2020-01-26T13:04:48.991Z",

"u": {

"\_id": "uH9TtCcWbrPwCPmMe",

"username": "Absolute\_Legacy"

},

"mentions": [],

"channels": [],

"\_updatedAt": "2020-01-26T13:04:49.192Z"

}

],

"count": 2,

"offset": 0,

"total": 52,

"success": true

}

**Send Message to Specific User (POST):**

<https://iamflexi.com/iamflexi/api/v1/chat.sendMessage>

authtoken and userId should also be send through Headers.

Following is the example call of that API:

'{"message": { "rid": "Xnb2kLD2Pnhdwe3RH", "msg": "This is a test!" }}'

Rid is the Room Id of the chat and msg is the message that should be send.

Following is the response from the server:

{

"message": {

"rid": "uH9TtCcWbrPwCPmMeyiqdoAKMB3CcCwSM2",

"msg": "How are you?",

"ts": "2020-01-26T17:17:52.626Z",

"u": {

"\_id": "uH9TtCcWbrPwCPmMe",

"username": "Absolute\_Legacy"

},

"mentions": [],

"channels": [],

"\_updatedAt": "2020-01-26T17:17:52.774Z",

"\_id": "vWYngiszDQ2xdqRet"

},

"success": true

}