Deploy Rocket.Chat server instance
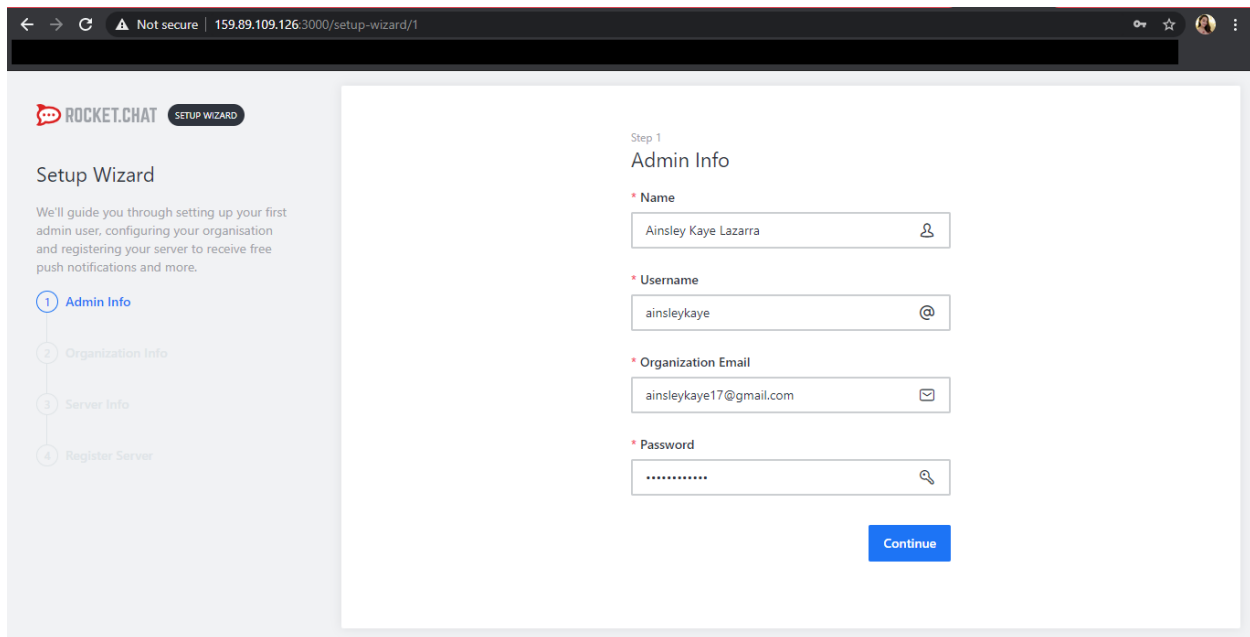
1. I accessed the DigitalOcean website and created my own account.
2. Using the documentation: https://docs.rocket.chat/installation/paas-deployments/digitalocean, I clicked on the 1-click install button to install Rocket.Chat from the Marketplace.
3. After finalizing the details, I clicked Create Droplet and I was able to install the Rocket.Chat
4. I was able to access Rocket.Chat using ***http:// 159.89.109.126/3000*** and I was directed to the Setup Wizard

Rocket.Chat login

Username: ainsleykaye
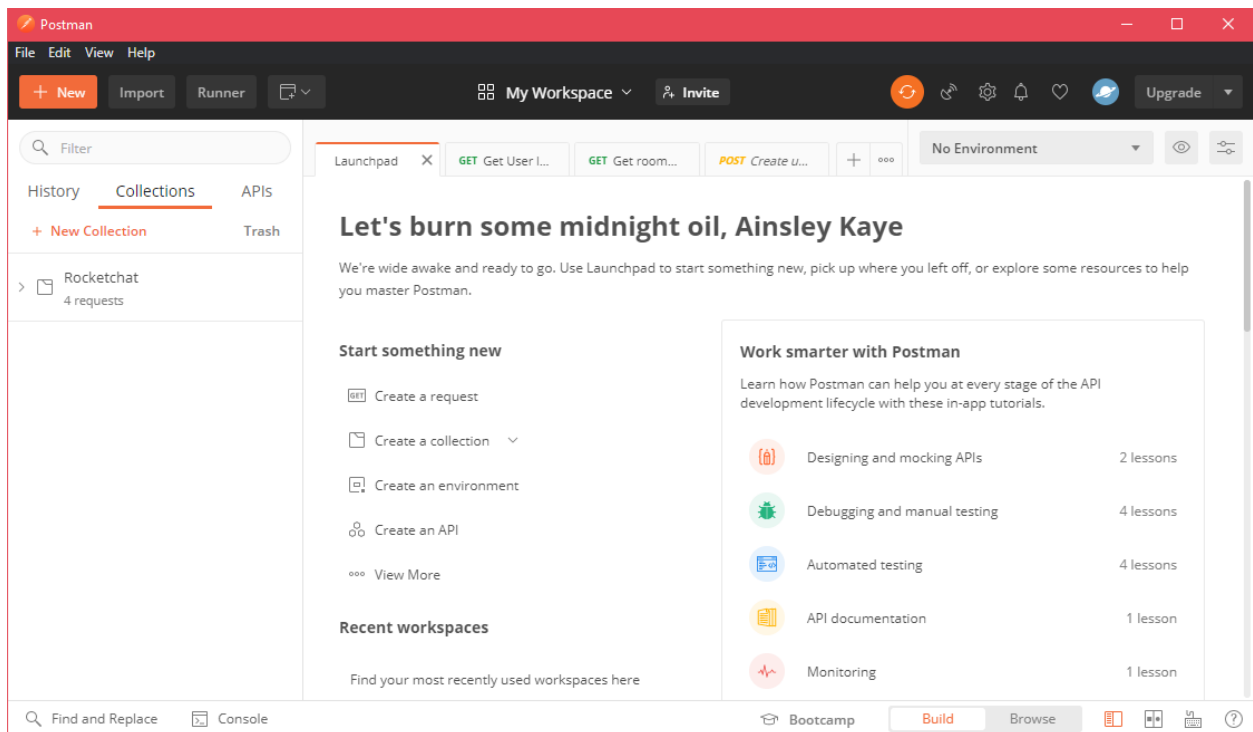
Password: 1725iloveyou

Rocket.Chat APIs test

I installed Postman platform for the API test.

Then I created a Personal Access Token. I navigated to **My Account** > **Personal Access Tokens** > Entered *privateaccesstoken* in **Personal access tokens to REST API** field > Click **Add**.

Token: 4S8qVEDBseSwvEY0LU-aeAehdC9iQRD2k8cgZnxKaX9

Your user Id: AA5tCH4obDibe2NpN

A. Create a new user via an API endpoint

Followed details in *https://docs.rocket.chat/api/rest-api/methods/users/create*

HTTP Method: Post

Endpoint: http://159.89.109.126:3000/api/v1/users.create

Headers:

    Content-type: application/json

    X-Auth-Token: 4S8qVEDBseSwvEY0LU-aeAehdC9iQRD2k8cgZnxKaX9

    X-User-Id: AA5tCH4obDibe2NpN

Body:

```
{
    "name": "Jane Doe2",
    "email": "janedoe3@mailinator.com",
    "password": "janedoepassword",
    "username": "janedoe2"
}
```

Results:

```
{
    "user": {
        "_id": "2Y9ZpFcN5y4un5xEi",
        "createdAt": "2020-10-13T13:41:02.839Z",
        "username": "janedoe2",
        "emails": [
            {
                "address": "janedoe3@mailinator.com",
                "verified": false
            }
        ],
        "type": "user",
        "status": "offline",
        "active": true,
        "_updatedAt": "2020-10-13T13:41:03.052Z",
        "roles": [
            "user"
        ],
        "name": "Jane Doe2",
        "settings": {}
    },
    "success": true
```

}

Users

Q Search

SHOWING **7** RESULTS

Name	Username	Email	Roles	Status
A Ainsley Kaye Lazarra	ainsleykaye	ainsleykaye17@gmail.com	admin	online
J Jane Doe	janedoe1	janedoe2@mailinator.com	user	offline
J Jane Doe2	janedoe2	janedoe3@mailinator.com	user	offline


```json
{
    "name": "Jane Doe2",
    "email": "janedoe3@mailinator.com",
    "password": "janedoepassword",
    "username": "janedoe2"
}
```

Status: 200 OK   Time: 1269 ms   Size: 683 B

```json
{
    "user": {
        "_id": "2Y9ZpFcN5y4un5xEi",
        "createdAt": "2020-10-13T13:41:02.839Z",
        "username": "janedoe2",
        "emails": [
            {
                "address": "janedoe3@mailinator.com",
```

B. Get the room information via an API endpoint.

Followed details in ***https://docs.rocket.chat/api/rest-api/methods/rooms/info***

On the Rocket.Chat platform, I created a room named **testroom** by navigating to **Create New** > **Channel**.

HTTP Method: Get

Endpoint: http://159.89.109.126:3000/api/v1/rooms.info

Headers:

   X-Auth-Token: 4S8qVEDBseSwvEY0LU-aeAehdC9iQRD2k8cgZnxKaX9

   X-User-Id: AA5tCH4obDibe2NpN

Params:

   roomName = testroom

Results:

```
{
    "room": {
        "_id": "AT9HqZrAWdKESpfq9",
        "name": "testroom",
        "fname": "testroom",
        "t": "p",
        "msgs": 0,
        "usersCount": 1,
        "u": {
            "_id": "AA5tCH4obDibe2NpN",
            "username": "ainsleykaye"
        },
        "customFields": {},
        "broadcast": false,
        "encrypted": false,
        "ts": "2020-10-13T11:50:05.764Z",
        "ro": false,
        "sysMes": true,
        "default": false,
        "_updatedAt": "2020-10-13T11:50:05.790Z"
    },
    "success": true
}
```

Discussions

Channels

G # general

Private Groups

T 🔒 testroom

Direct Messages

You aren't part of any channel yet

🗨 ROCKET.CHAT

☆ 🔒 testroom

Start of conversation

Message

B i s </> ↵ \[KaTeX\]

Postman

File Edit View Help

+ New   Import   Runner   ▭ ∨   ⊞ My Workspace ∨   ⚲ Invite   🔄 ⚡ ⚙ 🔔 ♡ 🧭   Upgrade ∨

🔍 Filter

History   Collections   APIs

+ New Collection   Trash

∨ Rocketchat
   4 requests

POST Create user

GET Get Admin Room

GET Get User list

GET Get room information

Launchpad   GET Get room information   ✕   + ∘∘∘   No Environment ∨   👁 ⚙

⏵ Get room information   Examples 0 ∨   BUILD   ✏ ▭

GET ∨   http://159.89.109.126:3000/api/v1/rooms.info?roomName=testroom   Send ∨   Save ∨

Params ●   Authorization   Headers (8)   Body   Pre-request Script   Tests   Settings   Cookies Code

Query Params

KEY	VALUE	DESCRIPTION	•••	Bulk Edit
☑ roomName	testroom			
Key	Value	Description		

Body   Cookies   Headers (13)   Test Results   🌐 Status: 200 OK Time: 960 ms Size: 712 B   Save Response ∨

Pretty   Raw   Preview   Visualize   JSON ∨   ⇶   📋 🔍

```
1  {
2      "room": {
3          "_id": "AT9HqZrAWdKESpfq9",
4          "name": "testroom",
5          "fname": "testroom",
6          "t": "p",
7          "msgs": 0,
8          "usersCount": 1,
```

🔍 Find and Replace   ▭ Console   🖧 Bootcamp   Build   Browse   ▭ ⊞ ⬚ ?

C. Get a list of all user roles in the system via an API endpoint

Followed details in ***https://docs.rocket.chat/api/rest-api/methods/roles/list#example-result***

HTTP Method: Get

Endpoint: http://159.89.109.126:3000/api/v1/roles.list

Headers:

   X-Auth-Token: 4S8qVEDBseSwvEY0LU-aeAehdC9iQRD2k8cgZnxKaX9

   X-User-Id: AA5tCH4obDibe2NpN

Results:

```
{
    "roles": [
        {
            "_id": "admin",
            "description": "Admin",
            "mandatory2fa": false,
            "protected": true,
            "scope": "Users"
        },
        {
            "_id": "moderator",
            "description": "Moderator",
            "mandatory2fa": false,
            "protected": true,
            "scope": "Subscriptions"
        },
        {
            "_id": "leader",
            "description": "Leader",
            "mandatory2fa": false,
            "protected": true,
            "scope": "Subscriptions"
        },
        {
            "_id": "owner",
            "description": "Owner",
            "mandatory2fa": false,
            "protected": true,
            "scope": "Subscriptions"
        },
        {
            "_id": "user",
            "description": "",
```

```json
            "mandatory2fa": false,
            "protected": true,
            "scope": "Users"
        },
        {

            "_id": "bot",
            "description": "",
            "mandatory2fa": false,
            "protected": true,
            "scope": "Users"
        },
        {

            "_id": "guest",
            "description": "",
            "mandatory2fa": false,
            "protected": true,
            "scope": "Users"
        },
        {

            "_id": "anonymous",
            "description": "",
            "mandatory2fa": false,
            "protected": true,
            "scope": "Users"
        },
        {

            "_id": "livechat-agent",
            "description": "Livechat Agent",
            "mandatory2fa": false,
            "protected": true,
            "scope": "Users"
        },
        {

            "_id": "livechat-manager",
            "description": "Livechat Manager",
            "mandatory2fa": false,
            "protected": true,
            "scope": "Users"
        }
    ],
    "success": true
}
```