

Auth0 CRUD script How to Run Screenshots

CLI:

Script Usage Help Message:

```
[...p]# date;python ./auth0_crud.py -h
Thu May  2 22:38:23 IST 2024
usage: auth0_crud.py [-h] -F CRED_FILE -O OPERATION_TYPE -D DATAFOROPERATION

optional arguments:
  -h, --help            show this help message and exit
  -F CRED_FILE, --cred_file CRED_FILE
                        Credential file path (E.g : -F /path/to/cred/file.json)
  -O OPERATION_TYPE, --operation_type OPERATION_TYPE
                        Enter the operation type (E.g : -O create_user)
  -D DATAFOROPERATION, --dataForOperation DATAFOROPERATION
                        Data in the form of Dict {key:value}, (e.g.: -D {email:email,password:password,connection:Username-Password-Authentication})

[...p]#
```

Files info in Directory:

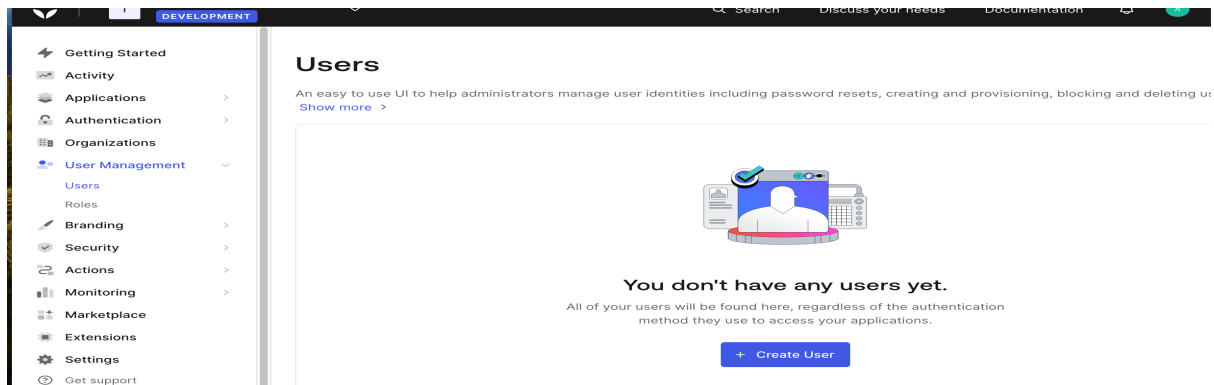
```
[root@prj-000000000000 ~]# date;ls -ltr
Thu May  2 21:26:06 IST 2024
total 52
-rw-r--r--. 1 root root   9 May  1 18:02 requirements.txt
-rw-r--r--. 1 root root  85 May  1 18:07 kubernetes.yaml
-rw-r--r--. 1 root root 363 May  1 23:39 Dockerfile
-rwxrwxrwx. 1 root root 187 May  2 01:00 cred_file.json
-rwxr-xr-x. 1 root root 6411 May  2 01:02 auth0_crud.py
-rwxrwxrwx. 1 root root 4889 May  2 01:08 auth0_crud.tar
drwxr-xr-x. 3 root root   35 May  2 07:01 Auth0
-rw-r--r--. 1 root root 9144 May  2 07:03 README.md
dr-xr-xr-x. 20 root root 4096 May  2 07:04 ..
drwxr-xr-x. 4 root root  178 May  2 07:23 .
drwxr-xr-x. 8 root root 4096 May  2 07:24 .git
[root@prj-000000000000 ~]#
```

Credentials file info (cred file.json):

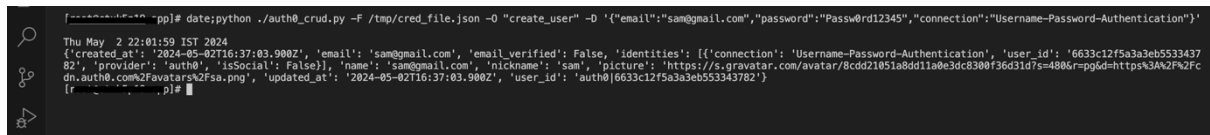
[illegible]

Creating User :

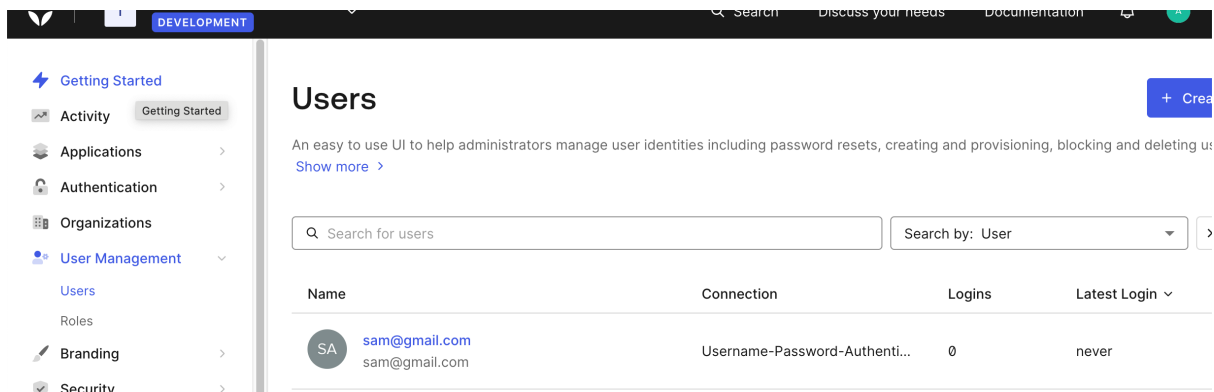
Empty user list before creating the user using script :



Creating user using script:



User entry after creating the user using script:



Updating the user details (In this updating mail):

```
[..._xp]# date;python ./auth0_crud.py -F /tmp/cred_file.json -O "update_user" -D '{"email": "RAM@gmail.com","user_id":"auth0|6633c12f5a3a3eb553343782","name":"RAM"}'
Thu May 2 22:08:11 IST 2024
[{"created_at": "2024-05-02T16:37:03.900Z", "email": "ram@gmail.com", "email_verified": False, "identities": [{"connection": "Username-Password-Authentication", "user_id": "6633c12f5a3a3eb553343782", "provider": "auth0", "isSocial": False}], "name": "RAM", "nickname": "sam", "picture": "https://s.gravatar.com/avatar/8cdd21051a8dd11a0e3dc8300f36d31d7s=480&r=pg6d=https%3A%2F%2Fcdn.auth0.com%2Favatars%2Fsa.png", "updated_at": "2024-05-02T16:43:15.989Z", "user_id": "auth0|6633c12f5a3a3eb553343782"}]
[..._xp]#
```

User mail id and name change after running script with update user:

DEVELOPMENT

Getting Started

Activity

Applications

Authentication

Organizations

User Management

Users

Roles

Branding

Security

Actions

Monitoring

Users

An easy to use UI to help administrators manage user identities including password resets, creating and provisioning, blocking and deleting us

Show more >

Search by: User

Name	Connection	Logins	Latest Login
<div>SA</div> <div>RAM</div> <div>ram@gmail.com</div>	Username-Password-Authenti...	0	never

Listing the users info using script:

```
[..._xp]# date;python ./auth0_crud.py -F /tmp/cred_file.json -O "get_users" -D '{}'
```

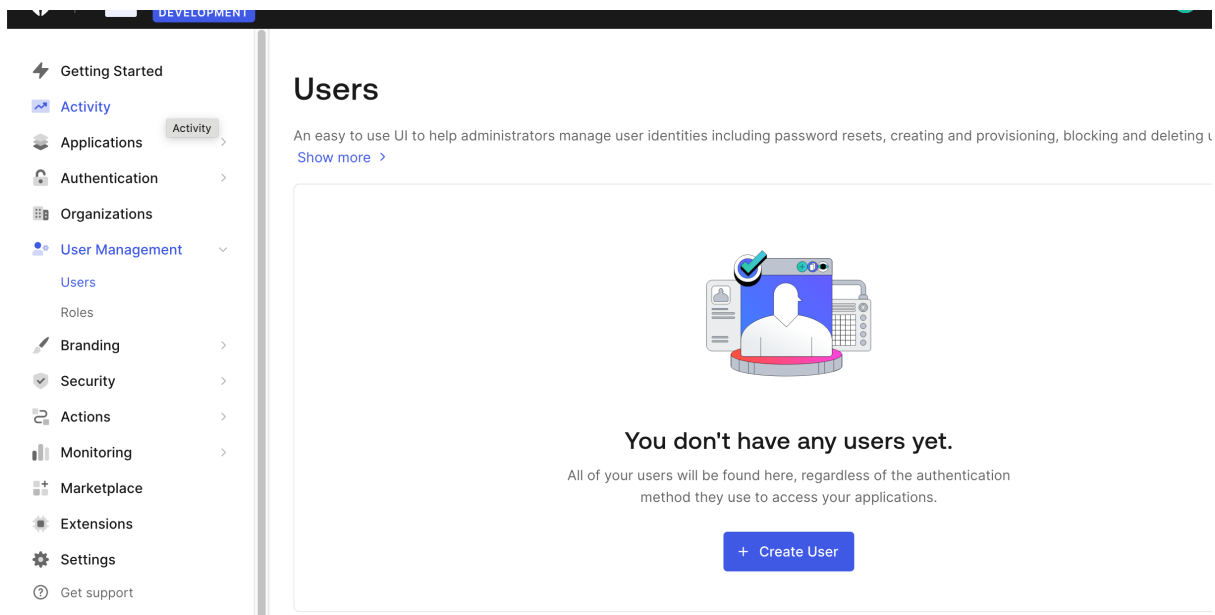
Listing the single user info whose user id is "auth0|6633c12f5a3a3eb553343782" using script :

```
[...p]# date:python ./auth0_crud.py -F /tmp/cred_file.json -O "get_users" -D '{"user_id":"auth0|6633c12f5a3a3eb553343782"}'
Thu May 2 22:25:07 IST 2024
[{'created_at': '2024-05-02T16:37:03.900Z', 'email': 'ram@gmail.com', 'email_verified': False, 'identities': [{'connection': 'Username-Password-Authentication', 'u
ser_id': '6633c12f5a3a3eb553343782', 'provider': 'auth0', 'isSocial': False}], 'name': 'RAM', 'nickname': 'sam', 'picture': 'https://s.gravatar.com/avatar/8cdd2105
1a80d11a0e3dc8300f36d31d7s=480&r=pg&d=https%3A%2F%2Fcdn.auth0.com%2Favatars%2Fsa.png', 'updated_at': '2024-05-02T16:43:15.989Z', 'user_id': 'auth0|6633c12f5a3a3eb5
53343782'}]
[...p]#
```

Deleting the user using script:

```
[...p]# date:python ./auth0_crud.py -F /tmp/cred_file.json -O "delete_user" -D '{"user_id":"auth0|6633c12f5a3a3eb553343782"}'
Thu May 2 22:30:09 IST 2024
True
[...p]#
```

No user info exist in dashboard after deleting users using script:



Trying to Create existing user (Negative scenario):

```
[...p]# date:python ./auth0_crud.py -F /tmp/cred_file.json -O "create_user" -D '{"email":"sam@gmail.com","password":"Passw@rd12345","connection":"Username-Password-Authentication"}'
Thu May 2 22:35:15 IST 2024
Error creating user: {'statusCode':409,"error":"Conflict","message":"The user already exists.", "errorCode":"auth0_idp_error"}
None
[...p]#
```

Command info :

Note: In-order to run the script fill the /tmp/cred_file.json file with your credential

Create User:

```
python ./auth0_crud.py -F /tmp/cred_file.json -O "create_user" -D '{"email":  
"sam123456@gmail.com", "password": "Passw0rd12345", "connection": "Username-  
Password-Authentication"}'
```

Update User:

```
python ./auth0_crud.py -F /tmp/cred_file.json -O "update_user" -D '{"email":  
"RAM@gmail.com", "user_id": "auth0|6633c12f5a3a3eb553343782", "name": "RAM"}'
```

Getting User Info by mail id:

```
python ./auth0_crud.py -F /tmp/cred_file.json -O "get_users" -D '{"email":  
"sam@gmail.com"}'
```

Getting all users info(Note : Empty json dict as input):

```
python ./auth0_crud.py -F /tmp/cred_file.json -O "get_users" -D '{}'
```

Delete User by user_id:

```
python ./auth0_crud.py -F /tmp/cred_file.json -O "delete_user" -D  
'{"user_id": "auth0|6633c12f5a3a3eb553343782"}'
```

Docker run:

Empty Docker info:

```
[root@apppost ~]# date;docker ps -a
Thu May  2 22:56:24 IST 2024
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
[root@apppost ~]# docker images
REPOSITORY    TAG       IMAGE ID   CREATED   SIZE
[root@apppost ~]#
```

Docker file info:

```
[root@apppost ~]# date;cat Dockerfile
Thu May  2 22:59:56 IST 2024
FROM python:3.9

# Set the working directory in the container
WORKDIR /app

# Copy the current directory contents into the container at /app
COPY . /app

# Install any needed dependencies specified in requirements.txt
RUN pip install --no-cache-dir -r requirements.txt

# Run ./auth0_crud.py when the container launches
ENTRYPOINT ["python3", "./auth0_crud.py"]
[root@apppost ~]#
```

Build Docker image:

```
[root@apppost app]# date;docker build -t auth0_crud_app:v1 .
Thu May  2 23:04:42 IST 2024
[*] Building 0.9s (9/9) FINISHED
=> [internal] load build definition from Dockerfile                                docker:default
=> => transferring dockerfile: 459B                                              0.0s
=> [internal] load metadata for docker.io/library/python:3.9                    0.9s
=> [internal] load .dockerignore                                                 0.0s
=> => transferring context: 2B                                                  0.0s
=> [1/4] FROM docker.io/library/python:3.9@sha256:5930d54604459569953a4164839ad9bb32f6a1c76e6740c84a116b4290a57852 0.0s
=> [internal] load build context                                                0.0s
=> => transferring context: 13.0kB                                              0.0s
=> CACHED [2/4] WORKDIR /app                                                    0.0s
=> CACHED [3/4] COPY . /app                                                      0.0s
=> CACHED [4/4] RUN pip install --no-cache-dir -r requirements.txt              0.0s
=> exporting to image                                                           0.0s
=> => exporting layers                                                            0.0s
=> => writing image sha256:5f3d8c1222d89bfad3a923a0e12969af1f19264f4bd3d9a5ead1f9f9649aafdc 0.0s
=> naming to docker.io/library/auth0_crud_app:v1                              0.0s
[root@apppost app]#
```

Creating the user with docker run:

```
[root@localhost ~]# date;docker run auth0_crud_app:v1 -F cred_file.json -O "create_user" -D '{"email": "raghu@gmail.com", "password": "Passw0rd12345", "connection": "Username-Password-Authenication"}'
Thu May 2 23:28:54 IST 2024
{"created_at": "2024-05-02T18:03:58.929Z", "email": "raghu@gmail.com", "email_verified": false, "identities": [{"connection": "Username-Password-Authentication", "user_id": "6633d58ecfd75a371a1b141f", "provider": "auth0", "isSocial": false}], "name": "raghu", "nickname": "raghu", "picture": "https://s.gravatar.com/avatar/e8b892c360c233a1aa7440685eeld1107s=480&r=pg&d=https%3A%2F%2Fcdn.auth0.com%2Favatars%2Ffra.png", "updated_at": "2024-05-02T18:03:58.929Z", "user_id": "auth0|6633d58ecfd75a371a1b141f"}
[root@localhost ~]#
```

Updating user with docker run:

```
[root@localhost ~]# date;docker run auth0_crud_app:v1 -F cred_file.json -O "update_user" -D '{"email": "RAM@gmail.com", "user_id": "auth0|6633d58ecfd75a371a1b141f", "name": "RAM"}'
Thu May 2 23:32:24 IST 2024
{"created_at": "2024-05-02T18:03:58.929Z", "email": "ram@gmail.com", "email_verified": false, "identities": [{"connection": "Username-Password-Authentication", "user_id": "6633d58ecfd75a371a1b141f", "provider": "auth0", "isSocial": false}], "name": "RAM", "nickname": "raghu", "picture": "https://s.gravatar.com/avatar/e8b892c360c233a1aa7440685eeld1107s=480&r=pg&d=https%3A%2F%2Fcdn.auth0.com%2Favatars%2Ffra.png", "updated_at": "2024-05-02T18:07:29.576Z", "user_id": "auth0|6633d58ecfd75a371a1b141f"}
[root@localhost ~]#
```

Listing the Users info with docker run:

```
[root@localhost ~]# date;docker run auth0_crud_app:v1 -F cred_file.json -O "get_users" -D '{}'
Thu May 2 23:35:03 IST 2024
[{"created_at": "2024-05-02T18:03:58.929Z", "email": "ram@gmail.com", "email_verified": false, "identities": [{"connection": "Username-Password-Authentication", "user_id": "6633d58ecfd75a371a1b141f", "provider": "auth0", "isSocial": false}], "name": "RAM", "nickname": "raghu", "picture": "https://s.gravatar.com/avatar/e8b892c360c233a1aa7440685eeld1107s=480&r=pg&d=https%3A%2F%2Fcdn.auth0.com%2Favatars%2Ffra.png", "updated_at": "2024-05-02T18:07:29.576Z", "user_id": "auth0|6633d58ecfd75a371a1b141f"}, {"created_at": "2024-05-02T17:08:55.481Z", "email": "sam@gmail.com", "email_verified": false, "identities": [{"connection": "Username-Password-Authentication", "user_id": "6633c8a7cfd75a371a1b04c4", "provider": "auth0", "isSocial": false}], "name": "sam", "nickname": "sam", "picture": "https://s.gravatar.com/avatar/8cdd21051a8dd11a0e3dc8300f36d31d7s=480&r=pg&d=https%3A%2F%2Fcdn.auth0.com%2Favatars%2Fsa.png", "updated_at": "2024-05-02T17:08:55.481Z", "user_id": "auth0|6633c8a7cfd75a371a1b04c4"}]
[root@localhost ~]#
```

Deleting the user with docker run:

```
[root@localhost ~]# date;docker run auth0_crud_app:v1 -F cred_file.json -O "delete_user" -D '{"user_id": "auth0|6633c8a7cfd75a371a1b04c4"}'
Thu May 2 23:37:39 IST 2024
True
[root@localhost ~]#
```

Docker Commands to work with script:

Create User:

```
date;docker run auth0_crud_app:v1 -F cred_file.json -O "create_user" -D '{"email": "raghu@gmail.com", "password": "Passw0rd12345", "connection": "Username-Password-Authentication"}'
```

Update User Info:

```
date;docker run auth0_crud_app:v1 -F cred_file.json -O "update_user" -D '{"email":  
"RAM@gmail.com","user_id":"auth0|6633d58ecfd75a371a1b141f","name":"RAM"}'
```

Get User List:

```
date;docker run auth0_crud_app:v1 -F cred_file.json -O "get_users" -D '{"email": "sam@gmail.com"}'
```

```
date;docker run auth0_crud_app:v1 -F cred_file.json -O "get_users" -D '{}'
```

Delete User:

```
date;docker run auth0_crud_app:v1 -F cred_file.json -O "delete_user" -D  
'{"user_id":"auth0|6633c8a7cfd75a371a1b04c4"}'
```