

보안 분야조사 관심이 가는 분야

2021.4.8 서동민

목차

- 메모리구조
- Bof
- Dep

메모리 구조

커널 영역 (2GB)
Off-Limit 영역 (64KG)
유저 영역 (2GB)
Null Pointer 할당 영역 (64KG)

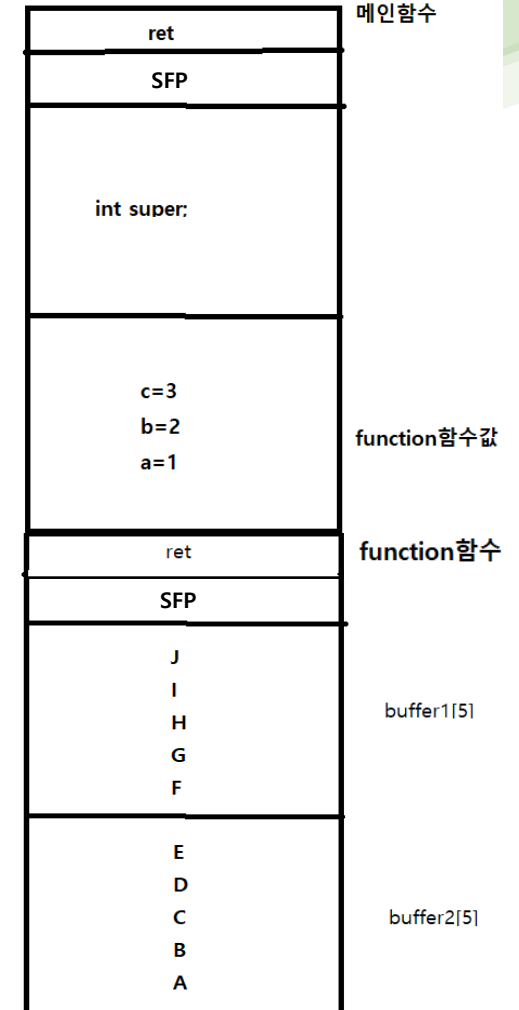
세그먼트1
세그먼트2
세그먼트3
...
...
세그먼트n

스택 영역
힙 영역
BSS영역
데이터 영역
코드 영역

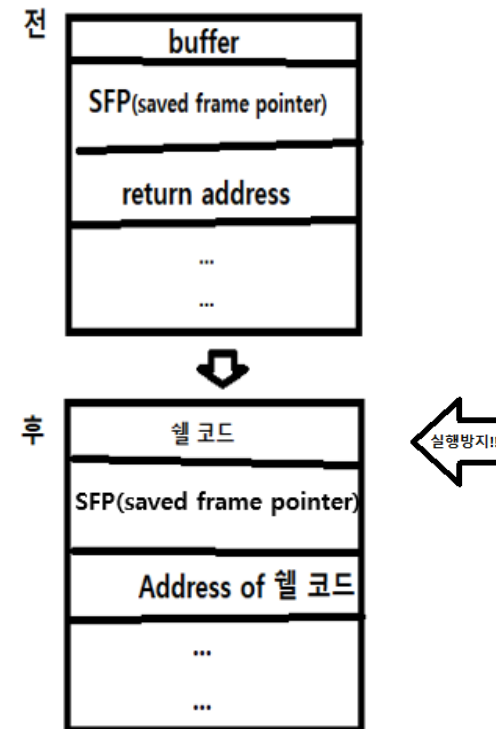
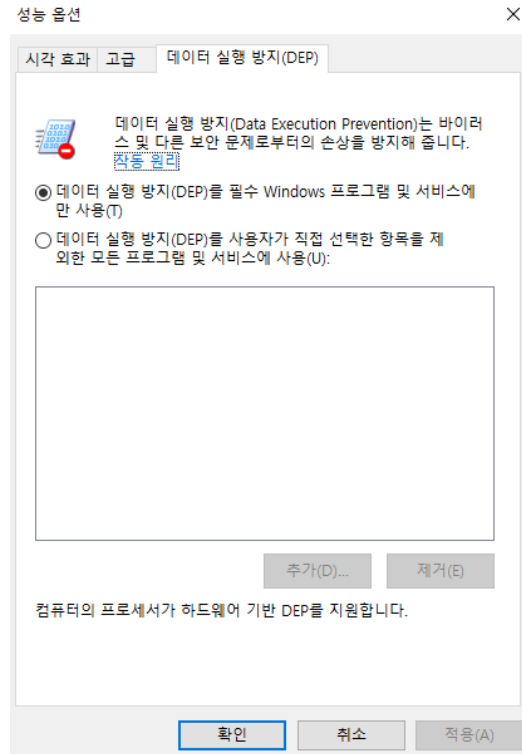
Bof(Buffer overflow)

```
1 void function(int a, int b, int c)
2 {
3     char buffer1[5];
4     char buffer2[5];
5 }
6
7 int main(void)
8 {
9     int super;
10    function(1, 2, 3);
11 }
```

buffer2에 "ABCDEFGHJIJ" 10바이트를 넣는다고 가정하면



Dep(data execution protection)



The image features a white background with decorative curved lines in the corners. In the top-right corner, there is a thick, multi-layered arc transitioning from light blue to light green. In the bottom-left corner, there is a similar thick, multi-layered arc transitioning from light blue to light green. Centered on the page is the Korean text '감사합니다 !!' in a dark blue, sans-serif font.

감사합니다 !!