PicoCTF

Tuesday, 2 June 2020 10:43 AM

```
Vault Door #3
   Original:
        j U5t_ a_s n a _ 3 l p m 1 2 q b 4 4 - u _ 4 _ m 1 r 2 4 0
        0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Index:
        j U 5 t - a - s 1 m p l 3 - a n 4 q r 4 m - 4 - u - 4 1 b 2 2 0
  asm 1
     DWORD PTR [ebp +0x8] = 0x345
     DWORD PTR [ebp+0×8], 0×37a
                                 7 compare 0×345 and 0×37a
     0x512 < asm1 + 37>
                                                lox345 not larger than 0x37)
                                  → jump greater
19
     DWORD PTR [ebp + 0x8], 0x345
                                  7 compare 0x345 and 0x345
                                                   ( 0×345 and 0×345 are equal, 60 no jump)
      0x50a <asm1+39>
                                  > jump not equal
jne
      cax, DWORD PTR [ebp + Ox8] 4 mov 0x345 into eax
Mov
                          0x345 + 0x3
add
      enx, 0x3
                           0 x 348
      qds
bob
  asma
      DWORD PTR TEBP+0×8] > 0×10
      DWORD PTR [ebp+0xc] > 0x18
             push ebp
                   epb 'esb
             MOA
             sub
                    esp, 0×10
                    eax , DWORD PTR [ebp + 0 x c]
             MOV
                    DWORD PTR [ebp-0x4], eax
                                                     -> DWORD PTR [ebp - 0×4] = 0×18
             MOV
                     eax, DWORD PTR [ebp + 0x8]
                     DWORD PTR [ebp-0x8], eax
                                                    > DWORD PTR [ebp -0x8] = 0x10
                     0x50c < asm 2 + 317
              jmp
               add
                      DWORD PTR [ebp-0x4], 0x1
    420>
                                                              add values in a loop
                      0000 PTR [ 66p-0x8] , 0x cb
               add
                                                                DWORD PTR [ ebp -0x8] > 0x6693
                       DWORD PTR [ & bp - 0x 8], 0 x 693
    (+317
               cwb
                       0x501 (asm2+20)
               jle
```

eax, DWORD PTR [cbp-0x4]

WON

9 get the value of DWORD PTR [ebp-0x4]