RedVelvet - 75pts (Rev)

Happiness:)

Download

flag

Auth

SCP 김성준 Pvgodd

CHALLENGES /

Validator3000





EASY

40 🕢

9



The flag is inside, but take it easy and don't waste your time Validator3000.zip

Your flag:

Send

CTF ZONE ezpz_crmee

CHALLENGES /

EZPZ CRKMEE.





MEDIUM





Easy peasy crackme. Just do it.

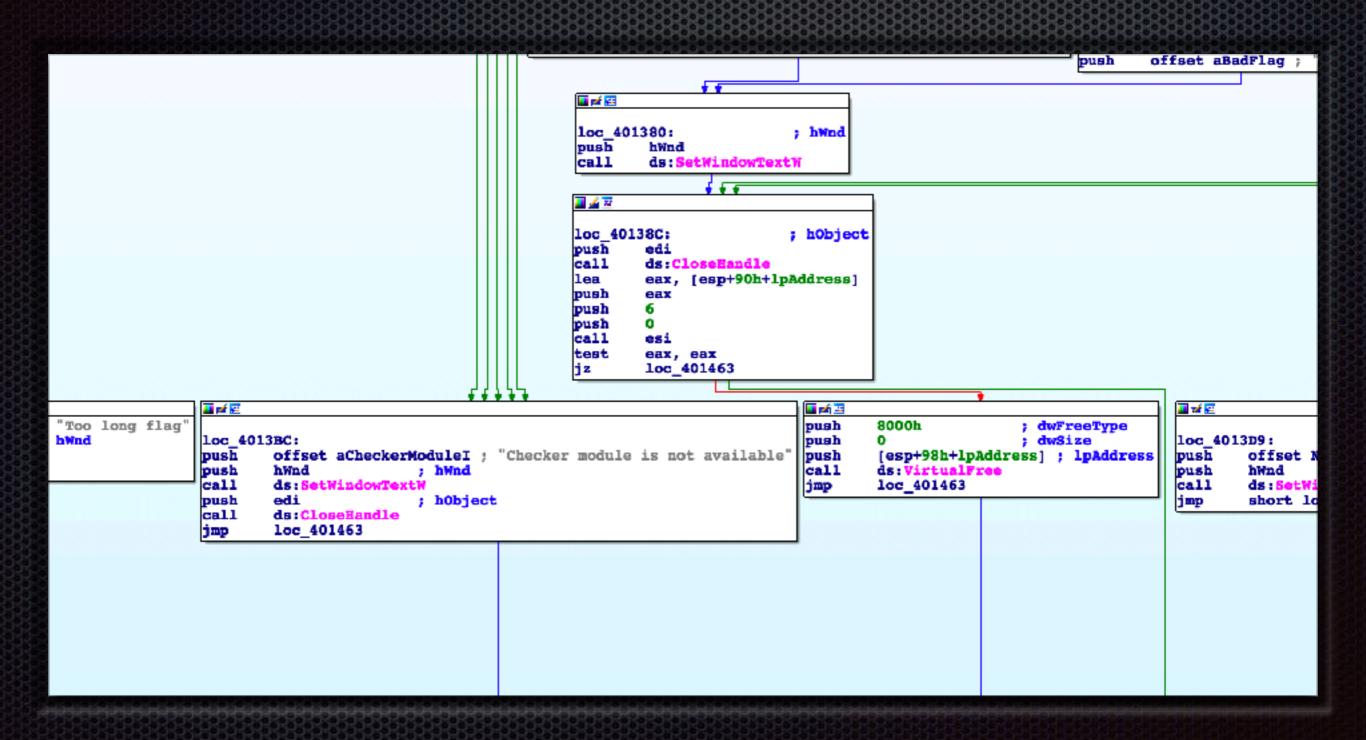
ezpz_crkmee.hex

Your flag:

```
bfd8164888
6x8949125f
                 1000000000
                                  mov eac, 8
                                 call sym.imp.printf
mov rdc, qword [sym.stdin]
lea rac, [local_188h]
6x88481264
                 e847151111
488015288e28.
6×89481269
6x88481278
                 488d8566ffff.
                 be1b006666
6×88481272
                                  mov est. 0:1b
                  4119c7
                                  mov rd1, rax
                 #85cf5ffff
                                  call sym.imp.fgets
                 44568566111
                                 les rac. [local_188h]
mov quard [local_178h], rax
Ex88481784
exeede1285
                 111995999441
6v88481292
                 0/1685617777
                                 movee eax, byte [local_ffn]
Ex88481799
                 @f bed@
                                  more eds. at
                 Stre8588ffff. movex els, byte [local_199h]
Sfeed movex els, al
6x89481295
6x864812a3
                  89d8
                                  mov esi, edx
                                  mov edi, eax
                 a8d7f6ffff
6x864812ss
                                  call sym.func1
                                  mov dword [local_164h], eax
Manager 17 of
                 #9#5dcfef
6x864812b5
                 0f168582ffff.
                                 movzk esk, byte [local_feh]
6×004012bc
                 ôf bed€
                                  moves ods, a
                 @ft@8581ffff.
8x884812bf
                                 moves eas, byte [local_ffh]
6x884812c5
                  8ftec8
                                  mover eax, al
6x004012c9
                                  mov est, edx
8x884812cb
                 8907
                                  mov edi, eax
                 e8321711
6x884812cd
                                  call sym.func2
0x004012d2
                 555556fe1
                                  mov dword [local_1b8h], eax
                 01168583111
Bx894812d8
                                 moves ess, byte [local_idh]
moves eds, al
6x884812df
                 €fted€
                 011085621111
                                 mover est, byte [local feh]
                                  movsk eak, a
                                  mov esi, edx
6x864817er
                                  mov edi, esz
                 e85ef7ffff
6x88481249
                                  call sym.func3
                 898554fef
6v88481245
                                  mov dword [local_lach], eax
                 011035641
                                  mover est, byte [local_fch]
Ex88481716
6x89491392
                 @fted@
                                  movem edx, al
                                 movee eax, byte [local_fdh]
                  Ofteco
                                  moves err. a
                 8946
8947
                                  mov esi, edx
6×66461311
                                  mov odi, caz
                                 call sym.func4
mov dword (local_la8h), eax
movae eax, byte [local_fbh]
                 *#33171111
MXMM4H1X18
6x89491318
                 898558fe1
6x8048131e
                 0 f 1 68565 f
8×88481325
                 Of ted®
                                  mover edr. al
                 erteesear
erteee
                                 movze eax, byte [local_fch]
6x0040132f
                                  moves car, al
6×8948122
                 1946
                                  mov esi, edu
6x88481334
                 89c7
                                  mov edi, eax
8x88481338
                 e8d2f7ffff
#9#55cfeff
                                  call sym.func5
                                  mov dword [local_lath], eav
9×99491225
6x88481341
                 0ft68587ffff.
                                 movze eax. byte [local_f9h]
8×88481348
                 Of bedD
                                  moves eds. a
                  OFEGBSRG++++.
                                  moves ess, byte [local_fab]
6x88481352
                  8ftec8
                                  MOVER BEX. 2
                 015685651111.
8x88481355
                                  moves eas. byte [local_fon]
6x88481355
                 Ofteco
                                  moves eas, al
                 8956
6x8848135f
                                  mov esi, ecx
8x88481361
                 8947
                                  mov edi, eax
                 e86678111
898566fe1
6x89481363
                                 call sym.func6
mov dword [lecal_la8h], eax
                  011685891
                                  moves eas, byte [local_f7h]
                 @fted@
                                  movsk edx, a
6×86481378
                 87168588FFFF.
                                  movae eax, byte [local_f8h]
8×8848137E
                 Ofteca
                                  mover ect. a
                            fff. movze ess. byte [local_f9h]
6x89491382
                 01168587
6x88481389
                 ēf be∈€
                                  movem car, a
8×88481380
                 88ce
                                  mov est, ecz
                                  mov edi. eax
6x86481399
                  e87<f8ffff
                                  call sym.func7
6×89481395
                 191564fefff
                                  mov dword [local_19ch], eax
6x8848139b
                 erbeesebtttt.
                                  movze esk, byte [local_f5h]
8x884813a2
                 er tede
                                  movest cix, e
                                 movec esk, byte [local_fGh]
movec esk, al
6×994913a5
                 Oft68858affff.
6x884813ac
                 @ftec8
                 ofte8589ffff, movas eas, byte [local_f7h]
                  OftecB
                                  mover ent. a
                 89ce
                                  mov esi, ecx
898481355
                                  mov edi, cax
                 *1/5/4///
6x894913bd
                                  call syn.funch
                 898568fcffff
                                mov dword [local_198h], eax
6x884813c2
```

```
call
mov
lea
mov
call
mov
mov
call
                                                  [rbp+var_170], eax
                                                  rax, [rbptvar_170]
                                                  rdi, rax
                                                   SMA256_Init
                                                  rax, [rbp+var_178]
                                                  rdi, rax
                                                   strlen
                                                  rdz, raz
                                         nov
lea
                                                  rex, [rbp+var_178]
                                                  rax, [rbp+var_170]
                                         mov
call
lea
lea
                                                  rsi, rex
                                                  rdi, rax
                                                   SEA256_Update
                                                  rdx, [rbp+var_170]
                                                  rax, [rbp+var_E0]
                                         mov
mov
                                                  rsi, rdx
                                                  rdi, raz
                                                   SHA256 Pinal
                                                  [rbp+var_188], 0
                                                  short loc 4015CF
                                                                                                         [rsi+6Ch], ah
                                                               loc_4015CF:
                                                                                                 END OF FUNCTION CHUNK FOR main
                                                                        [rbp+var_188], 1Fh
short loc_40158C
                                                                                2 14 2
                                                rdx, [rbp+s2]
                                                rax, [rbp+s1]
                                                                                nov
cdqe
                                                rsi, rdx
                                                                                         eax, [rbp+var_188]
                                                rdi, rax
                                                                   ; 81
                                                                                BOVEX
BOVEX
                                                                                         eax, [rbp+rax+var_E0]
                                                eax. eax
                                                                                         eax, al
                                                 short loc 401621
                                                                                          edx, [rbp+var_1B6]
                                                                               add
novexed
add
nov
nov
nov
call
                                                                                         rex, [rbp+s1]
                                                                                         rdx, edx
                                                                                         rox, rdx
                                                                                         edx, eax
                                                                                         esi, offset format ; "%02x"
                                                                                          rdi, rex
                                                                                         cax, 0
                                                                                           sprintf
                                                                                          [rbp+var 188], 1
         rax, [rbp+var_178]
mov
mov
mov
call
mov
mov
mov
ja
                                                              Loc 401621:
                                                                                           , status
         edi, offset aFlag5 ; "flag : {\" %s \"}\n"
                                                                        edi, 1
         eax,
               0
                                                                         exit
         _printf
         rsi, [rbp+var_8]
         rsi, fs:28h
         short locret_401630
```

```
; hModule
push
call
DOV
         esi, eax
push
         esi
                            ; hResInfo
                            ; hModule
push
call
         ds:SizeofResource
nov
         ebx, eax
         esi, esi
         loc 4013BC
               ebx, ebx
              test
                       loc 4013BC
              j≖
              push
push
call
test
                                             hResInfo
hNodule
                        ds:LoadResource
                        ear, ear
                        short loc 4013BC
                   ; Node #18
                                              ; size t
                 mov
                           edx, ebx
                 mov
call
                           ocx, eax
                                             ; void *
                           sub 401510
                 mov
test
                           esi, eax
                           esi, esi
                           short loc_4013BC
                                  lea
push
push
push
call
test
                                            eex, [esp+90h+lpAddress]
                                            eax
B
                                            esi
                                            eax, eax
                                            short loc 40138C
                                                      eax, [esp+90h+1pAddress]
                                            mov
test
                                                      eax, eax
                                                      short loc_40138C
                                                                    call
                                                                    test
                                                                              eax, eax
                                                                              short loc 401378
                  a⊯i≅
push
                            offset aCongratulation ; "Congratulations, you won!
                            short loc 401380
                                                                                                   offset aBadPlag ; "Bad flag
```



```
int v5; // esi
                                                                                                             GetWindowTextW(::hWnd, (LPWSTR)&Paint, 60);
void *v6; // edi
                                                                                                             v6 = (void *)sub_401480(2 * v5);
HRSRC v7; // eax
                                                                                                             if ( v6 )
HRSRC v8: // esi
DWORD v9; // eax
                                                                                                                 v7 = FindResourceW(0, (LPCWSTR)0x82, &Type);
size_t v10; // ebx
                                                                                                                 v8 = v7:
HGLOBAL v11; // eax
                                                                                                                 v9 = SizeofResource(0, v7);
void *v12; // eax
                                                                                                                 v10 = v9;
int (__stdcall *v13)(_DWORD, signed int, LPVOID *); // esi
                                                                                                                 if ( v8
LPVOID lpAddress; // [esp+18h] [ebp-84h]
                                                                                                                     && v9
struct tagPAINTSTRUCT Paint; // [esp+1Ch] [ebp-80h]
                                                                                                                     && (v11 = LoadResource(0, v8)) != 0
                                                                                                                     && (v12 = LockResource(v11)) != 0
if (Msg > 0x111)
                                                                                                                     && (v13 = (int (__stdcall *)(_DWORD, signed int, LPV0ID
                                                                                                                         *))sub_401510(v12, v10)) != 0 )
    if ( Msg == 307 )
                                                                                                                     if ( v13(0, 8, &lpAddress) && lpAddress )
        SetBkMode((HDC)wParam, 2);
        SetBkColor((HDC)wParam, 0xF0F0F0u);
                                                                                                                         if ( ((int (*)(void))lpAddress)() )
        return 0;
                                                                                                                             SetWindowTextW(::hWnd, L"Congratulations, you won!");
    if ( Msg == 312 )
                                                                                                                             SetWindowTextW(::hWnd, L"Bad flag");
        SetBkMode((HDC)wParam, 1);
                                                                                                                     CloseHandle(v6);
        return GetStockObject(5);
                                                                                                                     if ( v13(0, 6, &lpAddress) )
                                                                                                                         VirtualFree(lpAddress, 0, 0x8000u);
    return (HGDIOBJ)DefWindowProcW(hWnd, Msg, wParam, 1Param);
                                                                                                                 else
switch ( Msg )
                                                                                                                     SetWindowTextW(::hWnd, L"Checker module is not available");
    case 0x111u:
                                                                                                                     CloseHandle(v6);
        if ( (unsigned __int16)wParam == 105 )
            DestroyWindow(hWnd);
                                                                                                             else
        else
                                                                                                                 SetWindowTextW(::hWnd, L"Mapper error");
            if ( (unsigned __int16)wParam != 333 )
                 return (HGDIOBJ)DefWindowProcW(hWnd, 0x111u, wParam, 1Param);
                                                                                                         else
            if ( !(wParam >> 16) )
                                                                                                             SetWindowTextW(::hWnd, L*Too long flag*);
                 v5 = GetWindowTextLengthW(::hWnd);
                if ( v5 <= 60 )
                                                                    return 0:
                                                                    CreateWindowExW(0, L"STATIC", L"FLAG:", 0:500000000, 10, 10, 200, 20, hWnd, 0, 0, 0);
                                                                    ::hWnd = CreateWindowExW(8, L"EDIT", Sword_411A54, 0>888889980u, 10, 40, 380, 20, hWnd, 0, 8
                                                                    CreateWindowExW(8, L"BUTTON", L"Check flag", 0x50308660u, 10, 60, 130, 30, hWhd,
                                                                       (HMENU) 0x14D, 0, 0);
                                                                    return 8;
                                                                case 2u:
                                                                    PostQuitMessage(8);
                                                                    return 0;
```

return (HGDIOBJ)DefWindowProck(hWnd, Nsg, wParam, 1Param);

BeginPaint(HWhd, &Faint); EndPaint(HWhd, &Paint);

return 0;

```
圖 validator tot - 메모상
마일(f) 건설(f) 서식(0) 보기(v) 도움말(ii)
宬0答?Ac ♪헉0= Pyɒɒ붔?dr ·v??= 셟St)?4K셔?= 섦?珏?Qh?C .= 0
職?!!a>-+?= ?쥔??뾘.뷘< (IX ??@b?== P 빐??밁,「%= 젪f???뇛죗 = ?위호??ഥ담6= 兢楨Y?魚
      입G踊? $?♬35= @'뗾n?□[+';?= ?킹 ?s젪Li?= p???r샜"#
봃?= ?a??♂삔뫵4→= +嗅Y읥?sⅠ硫#{ = `~R=┬??.??= ??싊?뉞갯蓄 = 릶vX? ?幽?= p?싐?h빻?s"=
?E[■?D%S#[k= 燎7H??뮈뱂<= ?V1눺????2= 됙q패?2?뜄?= ①梏 ?앉?5;= x찐/@?떧"B <1=
릋┡뾸??-!y?= X?z둘?~?b>?= ?┴氾??♀#.X'= HBO♬&???+~┴= x◀쫆b?♪┡.→?= ?핊샮?y7옱i9+= ♂v죵
??☆앵?= 0빵??2彎|솒8= x욾‼D?X?1?=
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                                p뽔?
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                                         8쇣?
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                                     0?
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                             0怒?
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                                                                             읫?
                                   pm?
                            pm?
                            sin cos tan ceil
                                               floor
                                                       fabs
                                                              mod f
                              _y0 _y1 _yn _logb
                                                 nextafter
                                   ?1 5
                                                 ? | 🌣
                                    ,□┌┼
                                                   <□ -|-◀
                             p□ | &
                                   x□ı∣sinh
                                                 cosh
                                                     p% ? GCTL +
                                                                         .textSmn
                                          .CRT$XCA
         .idata$5
                           .00cfa
                                                             .CRT$XCZ
                             8?<sup>¯</sup> 」
                                     .CRT$XIZ
                        L?
                                  . CRT$XPZ
               . CRT$XPXA
                                                     . CRT$XTA
                                      ?┌? .rdata$zzzdbg ↑♪┌ 」
      I .rdata 🖥 Γ 📍
                      .rdata$sxdata
                                 $♪ı ˈ.rtc$TZZ
                                                    (♪ ? .xdata$x
    .rtc$IZZ
                      .rtc$TAA
edata 0∢<sub>Γ</sub>¶
               .idata$2 D∢r¶
                                .idata$3 X∢гг
                                                  .idata$4
                       .gfids$x
                                ?∟¶ .gfids$y
       .data
                                                           .bss
            .rsrc$02
```

CTF ZONE - ezpz_crmee

```
00000990 80 81 88 60 80 83 E0 91 45 02 F0 91 46 02 80 81 €.^`€fà'E.ð'F.€.
000009A0 80 68 80 83 E0 91 45 02 F0 91 46 02 80 81 8F 7D €h€fà'E.&'F.€..}
000009B0 80 83 8C E7 91 E0 0E 94 EE 01 0E 94 E4 01 FD CF €fŒç'à."î.."ä.ýÏ
000009C0 E3 E3 F2 E0 13 82 12 82 88 EE 93 E0 A0 E0 B0 E0 ããòà.,.,^î"à à°à
000009D0 84 83 95 83 A6 83 B7 83 8E E6 91 E0 91 83 80 83 "f•f¦f·fŽæ'à'f€f
000009E0 85 EC 90 E0 95 87 84 87 84 EC 90 E0 97 87 86 87 ...ì.à·‡"‡"ì.à-++‡
0000009F0 80 EC 90 E0 91 8B 80 8B 81 EC 90 E0 93 8B 82 8B ۓ.à'<€<.ì.à"<,<
00000A00 82 EC 90 E0 95 8B 84 8B 86 EC 90 E0 97 8B 86 8B ,ì.à.«,«tì.à-«t«
000000A10 11 8E 12 8E 13 8E 14 8E 08 95 EE 0F FF 1F 05 90 .Ž.Ž.Ž.Ž.Ž.....
00000A20 F4 91 E0 2D 09 94 81 E0 90 E0 F8 94 0C 94 18 05 ô'à-.".à.àø"."..
00000A30 F8 94 FF CF 6E 30 37 5F 34 5F 6B 33 59 5F 52 33 ø"ÿÏn07 4 k3Y R3
000000A40 34 4C 4C 79 5F 62 37 57 5F 6C 31 4B 33 5F 37 30 4LLy b7W 11K3 70
000000A50 37 34 4C 6C 59 00 01 00 57 5D 18 5C 07 09 74 59 74L1Y...W].\..tY
                                                         ..v..UqI.*H....
000000A60 1A 1D 76 18 04 55 67 49 1A 2A 48 0E 00 04 0B 0F
000000A70 5E 0E 59 5D 04 05 59 5F 46 4C 41 47 7B 37 68 31 ^.Y]..Y FLAG{7h1
00000A80 53 5F 66 6C 34 39 5F 31 53 5F 37 30 37 34 6C 4C S f149 15 70741L
00000A90 79 5F 66 34 4B 33 5F 53 30 72 72 59 7D 00 00 00 v f4K3 S0rrY}...
                                                         ..{.ä...Â.D.".6.
000000AA0 00 00 7B 01 E4 00 13 01 C2 01 44 01 22 01 36 01
00000AB0 45 6E 74 65 72 20 6B 65 79 20 70 6C 7A 2E 2E 2E Enter key plz...
00000AC0 0A 00 0D 0A 63 74 66 7A 6F 6E 65 7B 00 7D 0D 0A ....ctfzone{.}..
00000AD0 00 54 68 65 20 77 69 6E 6E 65 72 20 69 73 20 79 .The winner is v
00000AE0 6F 75 21 00 0D 0A 57 72 6F 6E 67 20 6B 65 79 21 ou!...Wrong key!
00000AF0 OD 0A 00 00
```