



CmpAppendDllSection for win 7 (7600) - win 10 (14393)

```
INIT:000000014056813E  
INIT:000000014056813E  
INIT:000000014056813E  
INIT:000000014056813E 2E 48 31 11  
INIT:0000000140568142 48 31 51 08  
INIT:0000000140568146 48 31 51 10  
INIT:000000014056814A 48 31 51 18  
INIT:000000014056814E 48 31 51 20  
INIT:0000000140568152 48 31 51 28  
INIT:0000000140568156 48 31 51 30  
INIT:000000014056815A 48 31 51 38  
INIT:000000014056815E 48 31 51 40  
INIT:0000000140568162 48 31 51 48  
INIT:0000000140568166 48 31 51 50  
INIT:000000014056816A 48 31 51 58  
INIT:000000014056816E 48 31 51 60  
INIT:0000000140568172 48 31 51 68  
INIT:0000000140568176 48 31 51 70  
INIT:000000014056817A 48 31 51 78  
INIT:000000014056817E 48 31 91 80 00 00 00  
INIT:0000000140568185 48 31 91 88 00 00 00  
INIT:000000014056818C 48 31 91 90 00 00 00  
INIT:0000000140568193 48 31 91 98 00 00 00  
INIT:000000014056819A 48 31 91 A0 00 00 00  
INIT:00000001405681A1 48 31 91 A8 00 00 00  
INIT:00000001405681A8 48 31 91 B0 00 00 00  
INIT:00000001405681AF 48 31 91 B8 00 00 00  
INIT:00000001405681B6 48 31 91 C0 00 00 00  
INIT:00000001405681B0 31 11  
INIT:00000001405681BF 48 8B C2  
INIT:00000001405681C2 48 8B D1  
INIT:00000001405681C5 8B 8A C4 00 00 00  
INIT:00000001405681C8  
INIT:00000001405681C8 48 31 84 CA C0 00 00 00  
INIT:00000001405681D3 48 D3 C8  
INIT:00000001405681D6 E2 F3  
INIT:00000001405681D8 8B 82 88 02 00 00  
INIT:00000001405681DE 48 03 C2  
INIT:00000001405681E1 48 83 EC 28  
INIT:00000001405681E5 FF D0  
INIT:00000001405681E7 48 83 C4 28  
INIT:00000001405681E8 4C 8B 80 E8 00 00 00  
INIT:00000001405681F2 48 8D 88 40 02 00 00  
INIT:00000001405681F9 BA 01 00 00 00 00  
INIT:00000001405681FE 41 FF E0  
INIT:00000001405681FE
```

```
CmpAppendDllSection proc near  
    db 2Eh  
    xor [rcx], rdx  
    xor [rcx+8], rdx  
    xor [rcx+10h], rdx  
    xor [rcx+18h], rdx  
    xor [rcx+20h], rdx  
    xor [rcx+28h], rdx  
    xor [rcx+30h], rdx  
    xor [rcx+38h], rdx  
    xor [rcx+40h], rdx  
    xor [rcx+48h], rdx  
    xor [rcx+50h], rdx  
    xor [rcx+58h], rdx  
    xor [rcx+60h], rdx  
    xor [rcx+68h], rdx  
    xor [rcx+70h], rdx  
    xor [rcx+78h], rdx  
    xor [rcx+80h], rdx  
    xor [rcx+88h], rdx  
    xor [rcx+90h], rdx  
    xor [rcx+98h], rdx  
    xor [rcx+0A0h], rdx  
    xor [rcx+0A8h], rdx  
    xor [rcx+0B0h], rdx  
    xor [rcx+0B8h], rdx  
    xor [rcx+0C0h], rdx  
    xor [rcx], edx  
    mov rax, rdx  
    mov rdx, rcx  
    mov ecx, [rdx+0C4h]
```

ContextSize =
*(ULONG *) (CmpAppendDllSection + 0xc4)

```
loc_1405681CB:  
    xor [rdx+rcx*8+0C0h], rax  
    ror rax, cl  
    loop loc_1405681CB  
    mov eax, [rdx+288h]  
    rax, rdx  
    sub rsp, 28h  
    call rax  
    add rsp, 28h  
    mov r8, [rax+0E8h]  
    lea rcx, [rax+240h]  
    mov edx, 1  
    jmp r8  
CmpAppendDllSection endp
```

EntryPointRva 288h
EntryPoint = CmpAppendDllSection +
*(LONG) (CmpAppendDllSection + EntryPointRva)

CmpAppendDllSection for win 10 (>= 17174)

```
INIT:000000014092DA70  
INIT:000000014092DA70  
INIT:000000014092DA70 2E 48 31 11  
INIT:000000014092DA74 48 31 51 08  
INIT:000000014092DA78 48 31 51 10  
INIT:000000014092DA7C 48 31 51 18  
INIT:000000014092DA80 48 31 51 20  
INIT:000000014092DA84 48 31 51 28  
INIT:000000014092DA88 48 31 51 30  
INIT:000000014092DA8C 48 31 51 38  
INIT:000000014092DA90 48 31 51 40  
INIT:000000014092DA94 48 31 51 48  
INIT:000000014092DA98 48 31 51 50  
INIT:000000014092DA9C 48 31 51 58  
INIT:000000014092DAA0 48 31 51 60  
INIT:000000014092DAA4 48 31 51 68  
INIT:000000014092DAA8 48 31 51 70  
INIT:000000014092DAAC 48 31 51 78  
INIT:000000014092DAB0 48 83 C1 78  
INIT:000000014092DAB4 48 31 51 08  
INIT:000000014092DAB8 48 31 51 10  
INIT:000000014092DABC 48 31 51 18  
INIT:000000014092DAC0 48 31 51 20  
INIT:000000014092DAC4 48 31 51 28  
INIT:000000014092DAC8 48 31 51 30  
INIT:000000014092DACC 48 31 51 38  
INIT:000000014092DAD0 48 31 51 40  
INIT:000000014092DAD4 48 31 51 48  
INIT:000000014092DAD8 48 83 E9 78  
INIT:000000014092DADC 31 11  
INIT:000000014092DADE 48 8B C2  
INIT:000000014092DAE1 48 8B D1  
INIT:000000014092DAE4 8B 8A C4 00 00 00  
INIT:000000014092DAE8 48 85 C0  
INIT:000000014092DAED 74 11  
INIT:000000014092DAEF  
INIT:000000014092DAEF 48 31 84 CA C0 00 00 00  
INIT:000000014092DAF7 48 D3 C8  
INIT:000000014092DAFA 48 0F B8 C0  
INIT:000000014092DAFE E2 EF  
INIT:000000014092DB00  
INIT:000000014092DB00  
INIT:000000014092DB00 8B 82 E8 07 00 00  
INIT:000000014092DB06 48 03 C2  
INIT:000000014092DB09 48 83 EC 28  
INIT:000000014092DB0D FF D0  
INIT:000000014092DB0F 48 83 C4 28  
INIT:000000014092DB13 4C 8B 80 01 01 00 00  
INIT:000000014092DB1A 48 8D 88 98 07 00 00  
INIT:000000014092DB21 BA 01 00 00 00 00  
INIT:000000014092DB26 41 FF E0
```

```
CmpAppendDllSection proc near  
    db 2Eh  
    xor [rcx], rdx  
    xor [rcx+8], rdx  
    xor [rcx+10h], rdx  
    xor [rcx+18h], rdx  
    xor [rcx+20h], rdx  
    xor [rcx+28h], rdx  
    xor [rcx+30h], rdx  
    xor [rcx+38h], rdx  
    xor [rcx+40h], rdx  
    xor [rcx+48h], rdx  
    xor [rcx+50h], rdx  
    xor [rcx+58h], rdx  
    xor [rcx+60h], rdx  
    xor [rcx+68h], rdx  
    xor [rcx+70h], rdx  
    xor [rcx+78h], rdx  
    add rcx, 78h  
    xor [rcx+0], rdx  
    xor [rcx+10h], rdx  
    xor [rcx+18h], rdx  
    xor [rcx+20h], rdx  
    xor [rcx+28h], rdx  
    xor [rcx+30h], rdx  
    xor [rcx+38h], rdx  
    xor [rcx+40h], rdx  
    xor [rcx+48h], rdx  
    sub rcx, 78h  
    xor [rcx], edx  
    mov rax, rdx  
    mov rdx, rcx  
    mov ecx, [rdx+0C4h]  
    rax, rax  
    jz short loc_14092DB00
```

ContextSize =
*(ULONG *) (CmpAppendDllSection + 0xc4)

```
loc_14092DAEF:  
    xor [rdx+rcx*8+0C0h], rax  
    ror rax, cl  
    btc rax, rax  
    loop loc_14092DAEF
```

decrypt with btc must know ContextSize

```
loc_14092DB00:  
    mov eax, [rdx+7E8h]  
    add rax, rdx  
    sub rsp, 28h  
    call rax  
    add rsp, 28h  
    mov r8, [rax+110h]  
    lea rcx, [rax+798h]  
    mov edx, 1  
    jmp r8
```

EntryPointRva 7E8h
EntryPoint = CmpAppendDllSection +
*(LONG) (CmpAppendDllSection + EntryPointRva)

