

```

PatchGuard Context
CmpAppendDllSection: 0xc0 Bytes
Unused: 4 Bytes
ContextSize: 4 Bytes
Fields: Unknow
...
CompareFields: at CmpAppendDllSection + 0x100
...
EntryPointRva: 4 Bytes
...
Fields:End
EntryPoint:Unknow
Check Logical1:Unknow
Check Logical2:Unknow
Check Logical3:Unknow

```

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

```

INIT:000000014056B13E
INIT:000000014056B13E
INIT:000000014056B13E
INIT:000000014056B13E 2E 48 31 11
INIT:000000014056B142 48 31 51 08
INIT:000000014056B146 48 31 51 10
INIT:000000014056B14A 48 31 51 18
INIT:000000014056B14E 48 31 51 20
INIT:000000014056B152 48 31 51 28
INIT:000000014056B156 48 31 51 30
INIT:000000014056B15A 48 31 51 38
INIT:000000014056B15E 48 31 51 40
INIT:000000014056B162 48 31 51 48
INIT:000000014056B166 48 31 51 50
INIT:000000014056B16A 48 31 51 58
INIT:000000014056B16E 48 31 51 60
INIT:000000014056B172 48 31 51 68
INIT:000000014056B176 48 31 51 70
INIT:000000014056B17A 48 31 51 78
INIT:000000014056B17E 48 31 91 00 00 00 00
INIT:000000014056B185 48 31 91 00 00 00 00
INIT:000000014056B18C 48 31 91 90 00 00 00
INIT:000000014056B193 48 31 91 98 00 00 00
INIT:000000014056B19A 48 31 91 A0 00 00 00
INIT:000000014056B1A1 48 31 91 A8 00 00 00
INIT:000000014056B1A8 48 31 91 B0 00 00 00
INIT:000000014056B1AF 48 31 91 B8 00 00 00
INIT:000000014056B1B6 48 31 91 C0 00 00 00
INIT:000000014056B1B0 31 11
INIT:000000014056B1B8 48 8B C2
INIT:000000014056B1C2 48 8B D1
INIT:000000014056B1C5 8B 8A C4 00 00 00
INIT:000000014056B1C8
INIT:000000014056B1C8 48 31 84 CA C0 00 00 00
INIT:000000014056B1D3 48 D3 C8
INIT:000000014056B1D6 E2 F3
INIT:000000014056B1DB 8B 82 80 02 00 00
INIT:000000014056B1DE 48 83 C2
INIT:000000014056B1E1 48 83 EC 28
INIT:000000014056B1E5 FF D0
INIT:000000014056B1E7 48 83 C4 28
INIT:000000014056B1E8 4C 8B 08 E8 00 00 00
INIT:000000014056B1F2 48 8D 88 40 02 00 00
INIT:000000014056B1F9 BA 01 00 00 00
INIT:000000014056B1FE 41 FF E0
INIT:000000014056B1FE

```

```

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+A0h], rdx
    xor [rcx+A8h], rdx
    xor [rcx+B0h], rdx
    xor [rcx+B8h], rdx
    xor [rcx+C0h], rdx
    xor [rcx], edx
    mov rax, rdx
    rdx, rcx
    mov ecx, [rdx+0C4h]
    loc_14056B1CB:
    xor [rdx+rcx*8+0C0h], rax
    ror rax, cl
    loop loc_14056B1CB
    mov eax, [rdx+288h]
    add 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

```

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

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

CmpAppendDllSection for win 10 (>= 17174)

```

INIT:000000014092DA70
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:000000014092DAAA 48 31 51 68
INIT:000000014092DAAB 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:000000014092DAB8 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:000000014092ADC 31 11
INIT:000000014092DADE 48 8B C2
INIT:000000014092DAE1 48 8B D1
INIT:000000014092DAE4 8B 8A C4 00 00 00
INIT:000000014092DAEA 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 8F BB C0
INIT:000000014092DAFE E2 EF
INIT:000000014092DB00
INIT:000000014092DB00
INIT:000000014092DB00 8B 82 E8 07 00 00
INIT:000000014092DB06 48 83 C2
INIT:000000014092DB09 48 83 EC 28
INIT:000000014092DB00 FF D0
INIT:000000014092DB0F 48 83 C4 28
INIT:000000014092DB13 4C 8B 08 01 00 00 00
INIT:000000014092DB1A 48 8D 88 98 07 00 00
INIT:000000014092DB21 BA 01 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+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
    sub rcx, 78h
    xor [rcx], edx
    mov rax, rdx
    mov ecx, [rdx+0C4h]
    rax, rax
    jz short loc_14092DB00
    loc_14092DAEF:
    xor [rdx+rcx*8+0C0h], rax
    ror rax, cl
    btc rax, rax
    loop loc_14092DAEF
    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

```

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

decrypt with btc must know ContextSize

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

