

## 1、Stack Overflow in function `WifiBasicSet`

```
int __fastcall sub_451784(int a1, int a2)
{
    int v3; // $v0
    int v4; // $v0
    char *v5; // [sp+1Ch] [+1Ch]
    char v6[256]; // [sp+20h] [+20h] BYREF
    char v7[256]; // [sp+120h] [+120h] BYREF
    _BYTE v8[256]; // [sp+220h] [+220h] BYREF
    int v9; // [sp+320h] [+320h]
    char *v10; // [sp+324h] [+324h] BYREF

    memset(v6, 0, sizeof(v6));
    v9 = 256;
    v10 = v7;
    memset(v7, 0, sizeof(v7));
    memset(v8, 0, sizeof(v8));
    v5 = (char *)websGetVar(a1, "security_5g", "none");
    if ( !v5 )
        return 1;
    v3 = wifi_get_mibname(a2, "bss_security", v10);
    GetValue(v3, v10 + 256);
    if ( !strcmp(v5, "wpapsk") || !strcmp(v5, "wpa2psk") || !strcmp(v5, "wpawpa2psk") )
        SetValue(v10, "wpapsk");
    else
        SetValue(v10, v5);
    strcpy(v6, v5);
    v4 = wifi_get_mibname(a2, "bss_wpa2psk_type", v10);
    GetValue(v4, v10 + 256);
    if ( !strcmp(v5, "wpapsk") )
    {
        SetValue(v10, "psk");
    }
    else if ( !strcmp(v5, "wpa2psk") )
    {
        SetValue(v10, "psk2");
    }
    else if ( !strcmp(v5, "wpawpa2psk") )
    {
        SetValue(v10, "psk+psk2");
    }
    set_idx_to_mib(a2, "bss_wpa2psk_crypto", "aes", &v10);
    return sub_451540(a1, "wlan0.0", v6);
}
```

User control pointer v5 by parameter security\_5g in web requesting; v6 is an array on the stack, and using `strcpy` to copy v6 to v5 without length limit will cause stack overflow.

The function calling process:

formWifiBasicSet->sub\_451DF8->sub\_451BB0->sub\_451784

PoC

[illegible]