

Stack Overflow in function `WifiBasicSet`

Vulnerability is in function `sub\_450A4C`

The function calling process: formWifiBasicSet->sub\_451DF8->sub\_450EE4->sub\_450A4C

```
int __fastcall sub_450A4C(int a1, int a2, const char *a3)
{
    size_t v3; // $v0
    int v5; // $v0
    int v6; // $v0
    char *v7; // [sp+20h] [+20h]
    char v8[256]; // [sp+24h] [+24h] BYREF
    char v9[256]; // [sp+124h] [+124h] BYREF
    _BYTE v10[256]; // [sp+224h] [+224h] BYREF
    int v11; // [sp+324h] [+324h]

    memset(v8, 0, sizeof(v8));
    v11 = 256;
    memset(v9, 0, sizeof(v9));
    memset(v10, 0, sizeof(v10));
    v3 = strlen(a3);
    if ( !strcmp(a3, "0", v3) )
        v7 = (char *)websGetVar(a1, "security", "none");
    else
        v7 = (char *)websGetVar(a1, "security_5g", "none");
    if ( !v7 )
        return 1;
    v5 = wifi_get_mibname(a2, "bss_security", v9);
    GetValue(v5, v10);
    SetValue(v9, v7);
    if ( !strcmp(v7, "wpa2psk") || !strcmp(v7, "wpa2psk") || !strcmp(v7, "wpa2psk") )
        SetValue(v9, "wpa2psk");
    else
        SetValue(v9, v7);
    strcpy(v8, v7);
    v6 = wifi_get_mibname(a2, "bss_wpa2psk_type", v9);
    GetValue(v6, v10);
    if ( !strcmp(v7, "wpa2psk") )
    {
        SetValue(v9, "psk");
    }
    else if ( !strcmp(v7, "wpa2psk") )
    {
        SetValue(v9, "psk2");
    }
    else if ( !strcmp(v7, "wpa2psk") )
    {
        SetValue(v9, "psk+psk2");
    }
    return sub_45078C(a1, (int)"wlan1.0", v8, a3);
}
```

User control pointer v7 by parameter security/security\_5g in web requesting; v8 is an array on the stack, and using `strcpy` to copy v7 to v8 without length limit will cause stack overflow.

PoC