

You can see that the router has crashed.

```

func:cfms_mib_proc_handle, line:203 connect cfmd is error.
connect: No such file or directory
func:cfms_mib_proc_handle, line:203 connect cfmd is error.
[cgi:set_device_name:1758] device name setted failed! [ aaa : aaaabaaacaaadaaaeaaafaaagaaahaaalaaaajaakaaalaaamaaaanaaaooapaaa
qaaaraaasaaataaaavaaaawaaaxaaayaaazaabbaabcaabdaabeaafbaabgaabhaablaabjaabkaablaabmaabnaaboaabpaabgaabraabsaabtaabuaabvaabw
aabxaabyaabzaabcaabcaacdaaceaacfaacgaachaaciaacjaackaaclaacmaacnaacoacpacqaacraacsaaactaacuaacvaacwaacxaacyaaczaadbaadcaadda
adeaadfaadgaadhaadiaadjaadkaadlaadmaadnaadoodaadpaadqaadraadsaadtaaduaadvaadwaadxaadyaadzaabaaecaadaaeaaefaaegaaehaaeiaaajaa
ekaaelaemaenaeeaaepaaeqaaeraaaesaetaaeuaaeavaaeawaexaaeyaaoozaafbaafcaafdaafaaaffaafgaafhaafiaafjaafkaaflaafmaafnaafaafoafpaaf
qaafraafsaaftaafuaafvaafwaafxaafyaafzaagbaagcaagdaageaagfaaggaaghaaglaagjaagkaaglaagmaagnaagoagpaagqaagraagsaagtaaguaagvaagw
aagxaagyaaagzaahbaahcaahdaahhaahfaahgaahhaahiaahjaahkaahlaahmaahnaahoaahpaahqaahraahsaahtaahuaahvaahwaahxaahyaahzaahbaahcaahda
aieaalfaaigaaiahaaliaajjaikaailaaimaaiaaioaaipaaiqaairaaiaaiaaiauaaiaivaaiwaaixaaiyaaiazaajbaajcaajdaajjeaajfaajgaajhaajjaajjaa
jkaaajlaajmaajnaajoaajpaajqaajraajsaajtaajuaajvaajwaajxaajyaajjaa:aa:aa:aa:aa ]
malloc(): memory corruption
zsh: abort      sudo chroot ././qemu-arm-static ./bin/httpd

```

Code in httpd

The `saveParentControlInfo` function first retrieves the value of the `deviceId` parameter. It then allocates a block of memory using `malloc` and copies the value of `deviceId` into it using `strcpy`. However, no length restrictions are applied, leading to a heap overflow vulnerability.

```

1 void __fastcall saveParentControlInfo(webs_t wp, char_t *path, char_t *query)
2 {
3     char_t *v4; // r5
4     char_t *v5; // r0
5     parent_control_info *v6; // r6
6     parent_control_info *v7; // r5
7     int v8; // r9
8     parent_control_info *v9; // r2
9     int v10; // r1
10    int v11; // r0
11    int v12; // r0
12    char_t *v13; // [sp+0h] [bp-A0h]
13    char_t *v14; // [sp+0h] [bp-A0h]
14    int ruleid; // [sp+4h] [bp-9Ch] BYREF
15    int pc_list[30]; // [sp+8h] [bp-98h] BYREF
16
17    memset(pc_list, 0, sizeof(pc_list));
18    ruleid = 0;
19    v4 = websGetVar(wp, (char_t *)"deviceId", (char_t *)&byte_7A45B);
20    v5 = websGetVar(wp, (char_t *)"deviceName", (char_t *)&byte_7A45B);
21    if ( *v5 )
22        set_device_name(v5, v4);
23    if ( !compare_parentcontrol_time(wp) )
24    {
25        v6 = (parent_control_info *)malloc(0x254u);
26        memset(v6, 0, sizeof(parent_control_info));
27        strcpy((char *)v6->mac_addr, (const char *)v4);
28        v7 = (parent_control_info *)malloc(0x254u);
29        memset(v7, 0, sizeof(parent_control_info));
30        SetValue("parent.global.en", "1");
31        SetValue("filter.url.en", "1");
32        SetValue("filter.mac.en", "1");
33        get_parentControl_list_Info(wp, v7);
34        v8 = getparentcontrolinfo(0, &ruleid, v6);
35        if ( v8 <= 0 )
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```

0003809C saveParentControlInfo:25 (4809C)