Vendor of the products: TP-Link

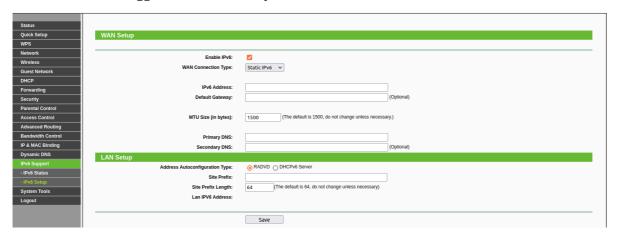
Affected products: TL-WR841ND V11

Hardware Link: https://www.tp-link.com/us/support/download/tl-wr841nd/v11/#Firmware

Vulnerability Description

A buffer overflow vulnerability was discovered in TP-Link TL-WR841ND V11, triggered by the ip parameter at /userRpm/WanStaticlpV6CfgRpm.htm. This vulnerability allows attackers to cause a Denial of Service (DoS) via a crafted packet.

The interface that triggers the vulnerability



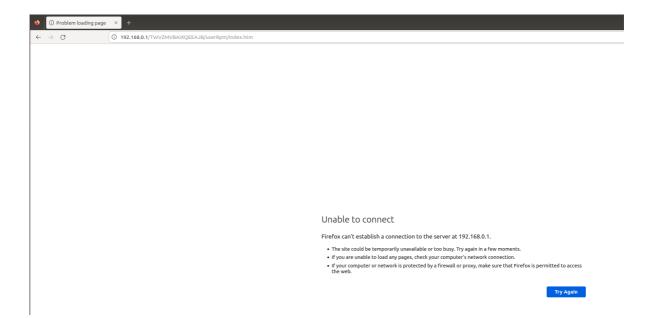
POC

send

```
Reguest

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```

You can see that the router has crashed.



Code in httpd

By using IDA to analyze httpd, the program first calls httpGetEnv to retrieve the ip parameter.

```
70     ucSetIPv6Enable(v4);
71     v7 = httpGetEnv(a1, "ip");
72     if ( v7 )
73         strcpy(v31, v7, v6, v5);
74     v8 = httpGetEnv(a1, "prefix");
75     if ( v8 )
76     v31[34] = atoi(v8);
```

The parameter is then passed to the strcpy function without proper security checks, leading to a buffer overflow.