Vendor of the products: TP-Link

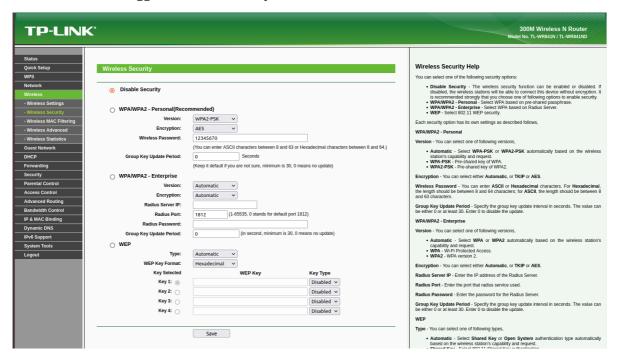
Affected products: TL-WR841ND V11

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 radiuSecret parameter at /userRpm/WlanSecurityRpm.htm. This vulnerability allows attackers to cause a Denial of Service (DoS) via a crafted packet.

The interface that triggers the vulnerability

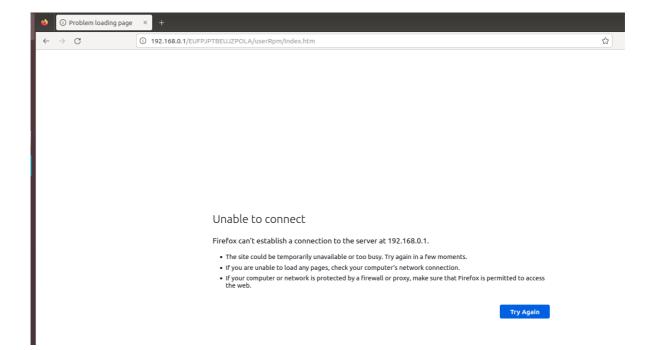


POC

send



You can see that the router has crashed.



Code in httpd

By using IDA to analyze cfg_manager, the program first calls httpGetEnv to retrieve the radiuSecret parameter.

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