

## Vulnerability Report

April 21, 2022

### Realtek AP-Router SDK Advisory (CVE-2022-29558)

#### Release Date

2022/04/21

#### Affected Projects

Realtek AP-Router Jungle SDK

#### Affected Versions

rtl819x-SDK-v3.4.x Series

rtl819x-SDK-v3.4T Series

rtl819x-SDK-v3.4T-CT Series

#### CVE ID

CVE-2022-29558

#### Description

On Realtek Jungle SDK-based routers, a vulnerability exists in the router's Boa HTTP web server that allows commands injection in the formWISiteSurvey function. A malicious POST request with a crafted wlanif value could allow a logged in attacker to execute arbitrary commands.

The root cause of the vulnerability is insufficient validation on the receiving buffer. An attack can exploit the vulnerability by crafting arguments in a specific request and execute arbitrary commands.

#### Vulnerability Type

Improper Input Validation

#### Attack Type

Network

### **Access Vector**

Crafted arguments in a specific request

### **Security Risk**

High

### **Patch**

20220418\_sdk\_v3.4T-CT\_patch\_for\_fix\_attack\_of\_boa.zip

### **Acknowledgement**

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