



مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



Security Updates – Juniper

Tracking #:432316049

Date:12-07-2024

THE INFORMATION CONTAINED WITHIN IS THE PROPERTY OF THE CYBER SECURITY COUNCIL OF THE UNITED ARAB EMIRATES GOVERNMENT AND IS TO BE USED EXCLUSIVELY FOR INTELLIGENCE PURPOSES. IT MAY NOT BE USED IN ANY LEGAL OR PUBLIC MATTER WITHOUT THE EXPLICIT APPROVAL OF THE CYBER SECURITY COUNCIL

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Juniper released security updates to address a vulnerability in their products.

TECHNICAL DETAILS:

An Improper Handling of Exceptional Conditions vulnerability in the routing protocol daemon (rpd) of Juniper Networks Junos OS and Junos OS Evolved allows a logically adjacent downstream RSVP neighbor to cause kernel memory exhaustion, leading to a kernel crash, resulting in a Denial of Service (DoS).

The kernel memory leak and eventual crash will be seen when the downstream RSVP neighbor has a persistent error which will not be corrected.

Vulnerability Details:

- **CVE-2024-39560** | CVSS 4.0: 7.1 – Medium | Junos OS and Junos OS Evolved: Memory leak due to RSVP neighbor persistent error leading to kernel crash

Affected versions:

Junos OS:

- All versions before 20.4R3-S9,
- All versions of 21.2,
- from 21.4 before 21.4R3-S5,
- from 22.1 before 22.1R3-S5,
- from 22.2 before 22.2R3-S3,
- from 22.3 before 22.3R3-S2,
- from 22.4 before 22.4R3,
- from 23.2 before 23.2R2;

Junos OS Evolved:

- All versions before 21.4R3-S5-EVO,
- from 22.1-EVO before 22.1R3-S5-EVO,
- from 22.2-EVO before 22.2R3-S3-EVO,
- from 22.3-EVO before 22.3R3-S2-EVO,
- from 22.4-EVO before 22.4R3-EVO,
- from 23.2-EVO before 23.2R2-EVO.

Fixed versions:

Junos OS: 20.4R3-S10, 20.4R3-S9, 21.4R3-S5, 22.1R3-S5, 22.2R3-S3, 22.3R3-S2, 22.4R3, 23.2R2, 23.4R1, and all subsequent releases. Junos OS Evolved: 21.4R3-S5-EVO, 22.1R3-S5-EVO, 22.2R3-S3-EVO, 22.3R3-S2-EVO, 22.4R3-EVO, 23.2R2-EVO, 23.4R1-EVO, and all subsequent releases.

RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the security updates recently released by Juniper.

Kindly circulate this information to your subsidiaries and partners as well as share with us any relevant information and findings.

The UAE Cyber Security Council extends its appreciation for the continued collaboration.

REFERENCES:

- https://supportportal.juniper.net/s/article/2024-07-Security-Bulletin-Junos-OS-and-Junos-OS-Evolved-Memory-leak-due-to-RSVP-neighbor-persistent-error-leading-to-kernel-crash-CVE-2024-39560?language=en_US