



مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



Security Updates-Juniper Networks Junos OS

Tracking #:432316018

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Juniper released a security update to address a Denial-of-Service Vulnerability in Juniper Networks Junos OS (SRX Series).

TECHNICAL DETAILS:

Juniper Networks has identified a vulnerability (**CVE-2024-21586**) in Junos OS affecting SRX Series devices. This vulnerability allows an unauthenticated attacker to crash the Packet Forwarding Engine (PFE) through specially crafted traffic, leading to a Denial-of-Service (DoS) condition.

Vulnerability Details:

- **CVE ID: CVE-2024-21586 | CVSS 4.0: 8.7, High**
- An Improper Check for Unusual or Exceptional Conditions vulnerability in the Packet Forwarding Engine (PFE) of Juniper Networks Junos OS on SRX Series allows an unauthenticated, network-based attacker to cause a Denial-of-Service (DoS).
- If an SRX Series device receives specific valid traffic destined to the device, it will cause the PFE to crash and restart. Continued receipt and processing of this traffic will create a sustained DoS condition.

Affected versions: Junos OS on SRX Series

- 21.4 versions before 21.4R3-S7.9,
- 22.1 versions before 22.1R3-S5.3,
- 22.2 versions before 22.2R3-S4.11,
- 22.3 versions before 22.3R3,
- 22.4 versions before 22.4R3.

Note: Junos OS versions prior to 21.4R1 are not affected by this issue.

Fixed versions:

- 21.4R3-S7.9 (be aware, this is a respin)
- 22.1R3-S5.3 (be aware, this is a respin)
- 22.2R3-S4.11 (be aware, this is a respin)
- 22.3R3
- 22.4R3
- 23.2R1 (or any subsequent release)

RECOMMENDATIONS:

The UAE Cyber Security Council recommends updating the affected versions to the fixed or latest versions 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-Out-of-Cycle-Security-Bulletin-Junos-OS-SRX-Series-Specific-valid-traffic-leads-to-a-PFE-crash-CVE-2024-21586?language=en_US