مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Critical Vulnerability in Juniper Networks Junos OS Evolved
Tracking #:432318464
Date:26-02-2026

TLP: WHITE

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a critical vulnerability in Junos OS Evolved on PTX Series routers that could allow remote code execution with root privileges, potentially leading to full device compromise.

TECHNICAL DETAILS:

A critical vulnerability has been identified in Junos OS Evolved on PTX Series routers that could allow an unauthenticated, network-based attacker to execute arbitrary code with root privileges. Successful exploitation may result in complete compromise of the affected device.

Vulnerability Details
- **CVE-2026-21902**
- **CVSS v3.1 Score:** 9.8 Critical
- An Incorrect Permission Assignment for Critical Resource vulnerability exists in the On-Box Anomaly Detection framework of Junos OS Evolved on PTX Series devices.
- The On-Box Anomaly Detection service is intended to be reachable only by internal processes via the internal routing instance. However, due to improper permission assignment, the service may be accessible over an externally exposed port.
- An unauthenticated, remote attacker can exploit this condition to access and manipulate the service, resulting in arbitrary code execution as root. Successful exploitation could allow full device compromise and complete control of the system.

Affected Products
Junos OS Evolved on PTX Series:
- 25.4 versions before 25.4R1-S1-EVO, 25.4R2-EVO.

Fixed Versions
- 25.4R1-S1-EVO, 25.4R2-EVO*, 26.2R1-EVO* and later

RECOMMENDATIONS:

The UAE Cyber Security Council recommends updating the affected versions to the fixed or latest versions released by Juniper Networks.

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/2026-02-Out-of-Cycle-Security-Bulletin-Junos-OS-Evolved-PTX-Series-A-vulnerability-allows-a-unauthenticated-network-based-attacker-to-execute-code-as-root-CVE-2026-21902