

Xylem Product Security Advisory

CVE-2024-6387 OpenSSH

July 9, 2024

Overview

Xylem is aware of a new vulnerability found in the OpenSSH server (sshd) software. This vulnerability is a “race condition” which can be exploited by an active remote attacker to gain unauthorized, privileged access to a Linux-based system. The attacker does not require valid authentication credentials to perform this attack. Vulnerability Details, Affected Products and Recommended Mitigations follow in this advisory.

Affected Products and Versions

We have determined the following Xylem products are impacted by this vulnerability and provide guidance and software updates as listed below:

- Sensus Base Station products running Unified OS 3.x
- Sensus Base Station products running legacy OS R6.3.8 or earlier

Additional Xylem products are under investigation and may be added to this advisory if impacted. This is an interim advisory and updates are expected.

Vulnerability Details

CVE-2024-6387 – OpenSSH security regression

CVSS v3.0 Base Score 8.1 | High | CVSS: 3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H

Compensating Measures for Sensus Base Stations (Unified OS 3.X)

For Sensus Base Stations running Unified OS 3.x, the product design and implementation reduces the likelihood of a successful exploit of the vulnerability. With precaution, to eliminate the vulnerability, Xylem recommends upgrading to Unified OS 3.1.4 upon its release.

Mitigations

Sensus Base Stations (Unified OS 3.x or, legacy OS R6.3.8 or earlier)

Xylem recommends customers running a vulnerable OS to upgrade to Unified OS 3.1.4 upon its release to mitigate this vulnerability.

References

- [Xylem Product Security Advisories](#)
- CVE-2024-6387: [NIST National Vulnerability Database \(NVD\)](#) and [MITRE CVE® List](#)

Contact Information

For any questions related to this Xylem Product Security Advisory, please contact product.security@xylem.com.

Revision History		
Version	Date	Updates
1.0	2024-07-10	Initial draft

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