



Westermo-24-13: Possible vulnerability when reading configuration files in WeOS

Severity: **MEDIUM**

2024-11-13

Description

WeOS uses libConfuse to parse the configuration files. Two CVEs describe issues that could be used for malicious intent, CVE-2018-19760 and CVE-2022-40320.

Affected versions

CVE-2018-19760

Affects WeOS 4 from version 4.32.0 to and including version 4.33.2

Affects WeOS 5 from version 5.8.1 to and including version 5.20.1

CVE-2022-40320

Affects WeOS 5 version 5.21.0 and 5.21.1

No release of WeOS 4 is affected.

Impact

The described vulnerabilities could potentially lead to loss of confidentiality, integrity and/or availability.

Severity

CVE-2022-40320

<i>Base score</i>	The CVSS severity base score is 8.8
<i>Environmental</i>	The CVSS Environmental Score has been calculated to 6.5
<i>Vector string</i>	CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/MAV:L/MPR:H

CVE-2022-40320

<i>Base score</i>	The CVSS severity base score is 8.8
<i>Environmental</i>	The CVSS Environmental Score has been calculated to 6.5
<i>Vector string</i>	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H/MAV:L/MPR:H



Mitigation

We recommend updating to the latest version of WeOS 5 or WeOS 4 to resolve the vulnerabilities mentioned in this advisory.

Additional general recommendations that reduce but not eliminates risk associated with the above vulnerabilities:

- Limit administration access from external interfaces, by e.g. disable administrative access on outward facing interfaces
- Limit administration account access to trusted parties.
- Use best practices for passwords related to administration accounts.

Updates

With the release of WeOS 5 version 5.21.1 and version 5.22.0 the vulnerability has been removed. WeOS 5.21.1 and 5.22.0 is available for download at Westermo Network Technologies support site.

With the release of WeOS 4 version 4.34.0 the vulnerability has been removed. WeOS 4.43.0 is available for download at Westermo Network Technologies support site.

References

[WeOS - Westermo Operating System ► Westermo https://www.westermo.com/solutions/weos](https://www.westermo.com/solutions/weos)

CVE-2018-19760: libconfuse <https://nvd.nist.gov/vuln/detail/CVE-2018-19760>

CVE-2022-40320: libconfuse <https://nvd.nist.gov/vuln/detail/CVE-2022-40320>

Revision History

Nov 13, 2024: Initial release