

Westermo-25-13: Improper Neutralization of Argument Delimiters in CLI

Severity: **MEDIUM**

Publication date: 2025-11-03

Description

Westermo have identified an issue in WeOS 5 where the show config command is vulnerable to command injection. The injected command will be executed on the underlying operating system. This issue can potentially lead to exposure of sensitive information, loss of integrity, or denial of service.

For this vulnerability to be exploitable the adversary must be authenticated as an administrator.

Affected versions

OS	Vulnerable versions	Fixed in version
WeOS 5	From 5.22.0 to and including 5.25.4	5.26.0
WeOS 4	(Not affected)	-

Impact

An adversary authenticated as an administrator will be able to inject commands using the show config command, potentially uncovering sensitive information, manipulating the filesystem, or shutting down the vulnerable device.

Severity

Base score	The CVSS severity base score is 6.7
Environmental	-
Vector string	CVSS:3.1/AV:L/AC:L/PR:H/UI:N/S:U/C:H/I:H/A:H

Mitigation

Updates

Westermo recommends upgrading to the latest WeOS version available at the Westermo Network Technologies support site. The vulnerability has been removed with the following release:

- WeOS 5.26.0

Workarounds

If an upgrade is not possible, the following actions can be performed to mitigate the vulnerability:

- Minimize network exposure of management interface
- Limit administration account access to trusted parties
- Use best practices for administration account passwords



Recommendations

After performing any of the mitigations, the following steps are recommended:

- Update the login credentials for previously vulnerable devices

References

- [WeOS - Westermo Operating System: https://www.westermo.com/solutions/weos](https://www.westermo.com/solutions/weos)
- [WeOS User Guide: https://docs.westermo.com/weos/weos-5/](https://docs.westermo.com/weos/weos-5/)
- [CWE - CWE-141: Improper Neutralization of Parameter/Argument Delimiters](#)
- [CWE - CWE-94: Improper Control of Generation of Code \('Code Injection'\)](#)

Revision History

- 2025-11-03: Initial release