

SA-20141013: GNU Bash Vulnerability (ShellShock) in WAGO Automation Products

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Summary

Several WAGO automation products are affected by the vulnerabilities (ShellShock) in the Linux shell GNU Bash. WAGO has released patches for eight products and WAGO also recommend countermeasures for automation products.

AFFECTED PRODUCTS

- 758-870/XXX-XXX
- 758-874/XXX-XXX
- 758-875/XXX-XXX
- 758-876/XXX-XXX
- 750-8202/XXX-XXX < firmware release 04
- 750-8203/XXX-XXX < firmware release 04
- 750-8204/XXX-XXX < firmware release 04
- 750-8206/XXX-XXX < firmware release 04

DESCRIPTION

The GNU Bash vulnerabilities (CVE-2014-6271, CVE-2014-7169, CVE-2014-7186, CVE-2014-7187, CVE-2014-6277 and CVE 2014-6278) [1] allow attackers to execute arbitrary code on the affected devices.

SOLUTION

WAGO offer patches for the affected products which will install the actual fix published by the official GNU Bash [2] webpage.

- 758-870/000-1XX patch for firmware release 8 and 9
- 758-874/XXX-XXX patch for firmware release 8 and 9
- 758-875/XXX-XXX patch for firmware release 8 and 9
- 758-876/XXX-XXX patch for firmware release 8 and 9
- 750-8202/XXX-XXX patch for firmware release 2 and 3
- 750-8203/XXX-XXX patch for firmware release 2 and 3
- 750-8204/XXX-XXX patch for firmware release 2 and 3
- 750-8206/XXX-XXX patch for firmware release 2 and 3

WAGO also recommends protecting network access and the use of “defense-in-depth” mechanism in order to run the devices in a protected environment.

ADDITIONAL RESOURCES

- [1] Detailed information about the GNU Bash vulnerabilities on the National Vulnerability Database

<http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-6271>

<http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-6278>

<http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-6277>

<http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-7169>

<http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-7186>

<http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-7187>

- [2] Official web site for the GNU Bash

<http://www.gnu.org/software/bash/>

- [3] ICS-CERT recommended practices for cyber security

<https://ics-cert.us-cert.gov/Recommended-Practices>

DISCLAIMER

<http://www.wago.de/wago/impressum/software-nutzungsvereinbarung/index.jsp>