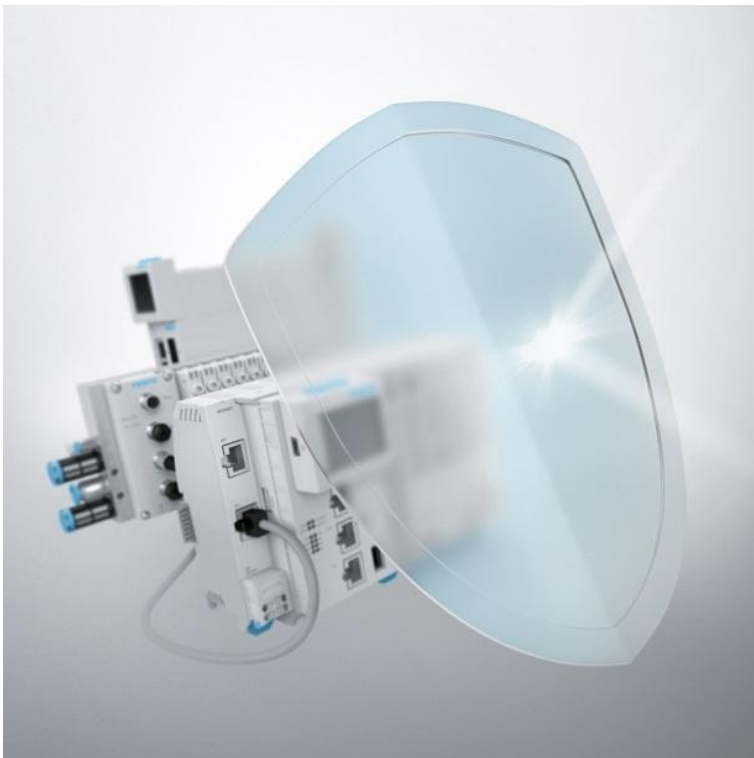


Vulnerable WIBU-SYSTEMS CodeMeter Runtime in multiple Festo products



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Creator
Festo SE & Co. KG

Version
1.0.1

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Summary

A vulnerability was reported in WIBU-SYSTEMS CodeMeter Runtime. WIBU-SYSTEMS CodeMeter Runtime is part of the installation packages of several Festo products. FluidDraw < 6.2c and CIROS <= 7.0.6 contain a vulnerable version of WIBU-SYSTEMS CodeMeter Runtime.

Vulnerability Identifier

CVEs: CVE-2021-41057

Severity

7.1 (CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:H/A:H)

Affected Vendors

Festo, Festo Didactic

Affected Products and Remediations

Affected Product and Versions	Product Details	Remediation
FluidDraw P6: FluidDraw P6 < 6.2c affected		<p>For all CVEs: Avoid any FluidDraw installation with a FluidDraw installation package below version 6.2c. Updated versions of FluidDraw are available on the Festo website.</p> <p>In case of a FluidDraw installation package with a version below 6.2c, do not use the WIBU CodeMeter package, that is part of the FluidDraw installation package. Skip the CodeMeter installation step during the FluidDraw installation and instead use a current CodeMeter version from the WIBU website and install that separately.</p> <p>In case of an already installed vulnerable CodeMeter version, update all of these WIBU CodeMeter installations with the current version of WIBU CodeMeter.</p> <p>Please refer to the WIBU CodeMeter documentation and website for further details and mitigations on usage of WIBU CodeMeter Runtime before 7.30a.</p>

Affected Product and Versions	Product Details	Remediation
<p>FluidDraw P5: FluidDraw P5 all versions affected</p>		<p>For all CVEs: Avoid any FluidDraw installation with a FluidDraw installation package below version 6.2c. Updated versions of FluidDraw are available on the Festo website.</p> <p>In case of a FluidDraw installation package with a version below 6.2c, do not use the WIBU CodeMeter package, that is part of the FluidDraw installation package. Skip the CodeMeter installation step during the FluidDraw installation and instead use a current CodeMeter version from the WIBU website and install that separately.</p> <p>In case of an already installed vulnerable CodeMeter version, update all of these WIBU CodeMeter installations with the current version of WIBU CodeMeter.</p> <p>Please refer to the WIBU CodeMeter documentation and website for further details and mitigations on usage of WIBU CodeMeter Runtime before 7.30a.</p>
<p>CIROS: CIROS <= 7.0.6 Downloaded before September 15, 2022 affected</p>	<p>Festo:Partnumber: 8140772, 8140773</p>	<p>For all CVEs: For future installations, ensure you're using a CIROS installer downloaded from https://ip.festo-didactic.com/Infoportal/CIROS/EN/Download.html after September 15, 2022. For existing installations, update the WIBU CodeMeter Runtime separately with at least version 7.30a downloaded from the WIBU Systems website. Please refer to the WIBU CodeMeter documentation and website for further details and mitigations on usage of WIBU CodeMeter Runtime before 7.30a.</p>
<p>CIROS: CIROS <= 6.4.6 Downloaded before September 15, 2022 affected</p>	<p>Festo:Partnumber: 8038980</p>	<p>For all CVEs: For future installations, ensure you're using a CIROS installer downloaded from https://ip.festo-didactic.com/Infoportal/CIROS/EN/Download.html after September 15, 2022. For existing installations, update the WIBU CodeMeter Runtime separately with at least version 7.30a downloaded from the WIBU Systems website. Please refer to the WIBU CodeMeter documentation and website for</p>

Affected Product and Versions	Product Details	Remediation
		further details and mitigations on usage of WIBU CodeMeter Runtime before 7.30a.
MES PC: affected		For all CVEs: If your copy of MES4 came preinstalled on a PC shipped before December 2022, you'll need to make sure this PC has at least CodeMeter Runtime 7.30a installed. If necessary, download the update from the WIBU Systems website.

Workarounds and Mitigations

Remediations can be found in the table of [Affected Products and Recommendations](#).

Additionally, please refer to the [General Recommendations](#).

Impact and Classification of Vulnerabilities

CVE-2021-41057

In WIBU CodeMeter Runtime before 7.30a, creating a crafted CmDongles symbolic link will overwrite the linked file without checking permissions.

Weakness: Improper Link Resolution Before File Access ('Link Following') (CWE-59)

Base Score: 7.1

Vector String: [CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:H/A:H](#)

General recommendations

Festo strongly recommends to restrict unprivileged access to machines running Festo software and to minimize and protect network access to connected devices with state of the art techniques and processes.

For a secure operation follow the recommendations in the product manuals.

Acknowledgments

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- CERT@VDE for coordination and support with this publication (see: <https://cert.vde.com/>)

Publisher Details

<https://festo.com/psirt>

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For further security-related issues in Festo products please contact the Festo Product Security Incident Response Team (PSIRT) <https://festo.com/psirt>

Further References

For further information also refer to:

- [VDE-2022-038](#)
- CERT@VDE Security Advisories <https://cert.vde.com/en/advisories/vendor/festo/>
- CVE-2021-41057 <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2021-41057>
- WIBU Systems Security Advisory WIBU-210910-01 https://cdn.wibu.com/fileadmin/wibu_downloads/security_advisories/Advisory_WIBU-210910-01.pdf

Revision History

Version	Date of the revision	Summary of the revision
1.0.0	December 13 th , 2022	Initial version
1.0.1	January 11 th , 2024	Adjust link to VDE Advisory

Sharing rules

TLP: WHITE

For the TLP version see: <https://www.first.org/tlp>

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