

PACTware Consortium e.V.

Cyber Security Notification

PACTware-Vulnerability may allow any program execution

PACTware Document Reference Number

PWC-VD-2021-01

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2021-01-11

Overview

The software product PACTware is a manufacturer and fieldbus-independent operating software for all field devices and protocols. PACTware Consortium e. V. is aware of a vulnerability in the PACTware Software product.

Affected products

PACTware 5.0 versions: PACTware 5.0.5.31 and lower.

Vulnerabilities Details

CVE Identifier

CVE-2020-12525 (CVE: Common Vulnerabilities and Exposures)

Severity

Identifier: CVE-2020-12525

Base Score and Vector: 7.3 (AV:L/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H/E:P/RL:T/RC:C)

Vulnerability Type

Deserialization of untrusted data (CWE-502)

Summary

Critical vulnerability is been discovered in the utilized '**fdtCONTAINER component**' by M&M Software GmbH used by PACTware.

While deserializing PACTware 5 project files (loading PACTware 5 files) the referenced vulnerability may take effect.

Impact

Remote attackers may exploit the vulnerability to execute any program and tap information.

For more information see advisory by M&M Software GmbH document 'SAV-0001': *Deserialization of untrusted data in fdtCONTAINER component and fdtCONTAINER application.*

Solution

Solution will be provided with PACTware 6 in Q2 2021 which has integrated the proposed solution by M&M based on *fdtCONTAINER component* version $\geq 3.6.20304.x$

In the meantime, it is sufficient to follow the common handling of files from unknown or untrusted source.

Mitigation:

1. Exchange project data only via secure exchange services.
2. Use appropriate means to protect storage from unauthorized manipulation.
3. Do not open project data from unknown source.

Update to PACTware Version 6, when available.

Afterwards we still recommend handling files from unknown or untrusted source with care.

Reported by

M&M Software GmbH

Support

For support and service, please contact info@pactware.com or the responsible PACTware member of your distribution.

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