

TRUMPF Werkzeugmaschinen SE + Co. KG
Johann-Maus-Straße 2 • 71254 Ditzingen • Deutschland

VDE-CERT

TRUMPF Werkzeugmaschinen SE + Co. KG

Johann-Maus-Straße 2
71254 Ditzingen

Phone +49 7156 303-0
Fax +49 7156 303-30309

info@trumpf.com
www.trumpf.com

Your contact
Phone extension
Fax extension
E-Mail: product.security@trumpf.com
Date: 15.08.2022

TRUMPF products prone to Unified Automation vulnerabilities VDE 2022-034

CVE Identifier

CVE-2022-29862, CVE-2022-29864

Severity

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

Affected Vendors

TRUMPF Werkzeugmaschinen SE + Co. KG

TRUMPF Laser- und Systemtechnik GmbH

Affected Products

- MOS: since *, fixed: 6.3.2
- OPC UA Proxy: since *, fixed: 2.5.0

Vulnerability Type

LOOP WITH UNREACHABLE EXIT CONDITION ('INFINITE LOOP') ([CWE-835](#)), UNCONTROLLED RESOURCE CONSUMPTION ([CWE-400](#))

Summary

A number of TRUMPF software tools use the OPC UA Server in C++ based OPC UA SDK by Unified Automation. The application contains several vulnerabilities, which enable an attacker to send malicious data to the application, resulting in a Denial-of-Service.

Geschäftsführende Direktoren:
Dr.-Ing. Stephan Mayer
Dipl.-Wirt. Ing. Till Küppers
Marcella Montelatici
Dr.-Ing. Thomas Schneider

TRUMPF Werkzeugmaschinen SE + Co. KG, Sitz Ditzingen,
Amtsgericht Stuttgart HRA 202772
USt-Id-Nr. DE 813 103 015
PhG TMT SE, Sitz Ditzingen,
Amtsgericht Stuttgart HRB 778168

Vorsitzende des Verwaltungsrats: Dr. phil. Nicola Leibinger-Kammüller

Impact

The stated TRUMPF products are supplied with the Unified Automation OPC UA Server in versions that are known to contain a number of vulnerabilities. We can not confirm at this time whether the use of vulnerable OPC UA Server exposes our products to the risks described in the CVEs mentioned above. Nevertheless, TRUMPF offers updates for its products that contain the fixed versions provided by Unified Automation.

In detail, the vulnerabilities are as follows:

21_UA

[CVE-2022-29862](#) Chained Certificate Loop PoD

CVSSv3.1 base score 7.5

<https://www.unified-automation.com/support/security-process.html>

22_UA

[CVE-2022-29864](#) Reference Counter Decrement DoS

CVSSv3.1 base score 7.5

<https://www.unified-automation.com/support/security-process.html>

Solution

- Use the updated versions of the TRUMPF OPC UA server that will be available via MyTRUMPF ([link](#)).

Reported by

Unified Automation