

OPC Foundation Security Bulletin

Security Update for the OPC UA .NET Standard Stack

Published: October 15th, 2024

Version: 1.0

Executive Summary

This security update resolves a vulnerability in the OPC UA .NET Standard Stack that allows an unauthorized attacker to trigger a gradual degradation in performance.

This security update has a base score of 5.3 (Medium) using the [CVSS v3.1](#) guidelines.

The CVSS vector string is:

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

Affected Software

The following software has been updated to address the issue:

Download	Replacement
OPCFoundation/UA-.NETStandard	
This version or any version after it.	1.5.374.118 https://github.com/OPCFoundation/UA-.NETStandard/releases/tag/1.5.374.118

OPC Foundation Vulnerability Information

Vulnerabilities and Exposures list:

Vulnerability	CVE number	Publicly disclosed	Exploited
CWE-770 : Allocation of Resources Without Limits or Throttling	CVE-2024-45526	No	No

Mitigating Factors

None.

Workarounds

Disable saving rejected certificates after authentication failure.

Acknowledgments

The OPC Foundation recognizes Florian Kohnhäuser of "ABB" for reporting this issue.

Disclaimer

The information provided in this disclosure is provided "as is" without warranty of any kind. OPC Foundation disclaims all warranties, either express or implied, including the warranties of merchantability and fitness for a particular purpose. In no event shall OPC Foundation or its suppliers be liable for any damages whatsoever including direct, indirect, incidental, consequential, loss of business profits or special damages, even if OPC Foundation or its suppliers have been advised of the possibility of such damages. Some states do not allow the exclusion or limitation of liability for consequential or incidental damages so the foregoing limitation may not apply.

Revisions

- V1.0 (October 15th, 2024): Bulletin published.