OPC Foundation Security Bulletin

Security Update for the OPC UA .NET Standard Stack

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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

Revisions

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