

# OPC Foundation Security Bulletin

## Security Update for the OPC UA .NET Standard Stack

Published: May 18<sup>th</sup>, 2021

**Version:** 1.0

### Executive Summary

This security update resolves a vulnerability in OPC UA Servers built with the OPC UA .NET Standard stack that could allow a malicious actor to trigger a stack overflow.

Vendors that incorporate the OPC UA .NET stack into their products must update their products.

This security update has a base score of 7.5 (high) 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:H

### Affected Software

The following software has been updated to address the issue:

Download	Release Date	Replacement
<a href="#">UA-.NETStandard Stack</a>		
This version or any version after it.		Commit in GitHub on 2021-02-25 <a href="https://github.com/OPCFoundation/UA-.NETStandard/commit/c541994ca230fdc15d6c93043a5d68af566e0008">https://github.com/OPCFoundation/UA-.NETStandard/commit/c541994ca230fdc15d6c93043a5d68af566e0008</a> NuGet package: <a href="https://github.com/OPCFoundation/UA-.NETStandard/releases/tag/1.4.365.48">https://github.com/OPCFoundation/UA-.NETStandard/releases/tag/1.4.365.48</a>
<a href="#">UA-.NET-Legacy</a>		
This version or any version after it.		Commit in GitHub on 2021-02-25 <a href="https://github.com/OPCFoundation/UA-.NET-Legacy/commit/d1b1fe17a27b687d13402b369af657e98f6e9d27">https://github.com/OPCFoundation/UA-.NET-Legacy/commit/d1b1fe17a27b687d13402b369af657e98f6e9d27</a>

# OPC Foundation Vulnerability Information

Vulnerabilities and Exposures list:

Vulnerability	CVE number	Publicly disclosed	Exploited
<a href="#">CWE-674</a> Uncontrolled Recursion	CVE-2021-27432	No	No

## Mitigating Factors

None.

## Workarounds

None.

## Acknowledgments

Eran Jacob with the Otorio Research Team reported this vulnerability to CISA.

The CISA advisory can be found here: <https://us-cert.cisa.gov/ics/advisories/icsa-21-133-03>

## 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 ( May 18<sup>th</sup>, 2021): Bulletin published.