# **OPC Foundation Security Bulletin**

# Security Update for the OPC UA .NET Standard Stack

Published: March 10th, 2021

Version: 1.2

# **Executive Summary**

This security update resolves a vulnerability in OPC UA Clients and Servers built with the OPC UA .NET Standard stack that could allow a roque application to establish a secure connection.

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

This security update has a base score of 4.2 (medium) using the CVSS v3.1 guidelines.

The CVSS vector string is:

#### **Affected Software**

The following software has been updated to address the issue:

Download	Release Date	Replacement				
<u>UANETStandard Stack</u>						
This version of after it.	or any version	Commit in GitHub on 2021-01-07 <a href="https://github.com/OPCFoundation/UANETStandard/tree/bfa117b7a73217b26d369c75a2b6cb70884469fc">https://github.com/OPCFoundation/UANETStandard/releases/tag/1.4.365.10</a>				

## **OPC Foundation Vulnerability Information**

#### CVE-2020-29457

Vulnerabilities and Exposures list:

Vulnerability	CVE number	Publicly disclosed	Exploited
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Rogue application can trick a user into allowing communication.	CVE-2020-29457	No	No
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# **Mitigating Factors**

Applications that do not allow certificate validation errors to be suppressed are not affected.

At least one certificate in the chain needs to be trusted for this exploit to work which means a malicious actor needs write access to the trust list on the server machine.

#### **Workarounds**

Do not suppress any certificate errors.

Do not allow users to temporarily trust untrusted application.

### Acknowledgments

The OPC Foundation recognizes Thomas Nehring of SAP for discovering this vulnerability.

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#### **Revisions**

- V1.0 (February 15<sup>th</sup>, 2021): Bulletin published.
- V1.1 (February 25<sup>th</sup>, 2021): Clarified that the NuGet package version listed does have the fix.
- V1.2 (March 10<sup>th</sup>, 2021): Fixed confusing wording.