OPC Foundation Security Bulletin

Security Update for the OPC UA .NET Standard Stack

Published: April 15th, 2020
Version: 1.1

Executive Summary

This security update resolves a vulnerability in OPC UA Servers built with the OPC UA .NET Standard stack that could cause a server to crash when sent malformed messages.

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

This security update is rated 7.5 (high) using the CVSS v3.1 guidelines.

The CVSS vector string is:

Affected Software

The following software downloads are affected:

<table>
<thead>
<tr>
<th>Download</th>
<th>Release Date</th>
<th>Replacement</th>
</tr>
</thead>
</table>

OPC Foundation Vulnerability Information

CVE-2020-8867
Vulnerabilities and Exposures list:
<table>
<thead>
<tr>
<th>Vulnerability</th>
<th>CVE number</th>
<th>Publicly disclosed</th>
<th>Exploited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malformed messages cause server to crash.</td>
<td>CVE-2020-8867</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Mitigating Factors**

None.

**Workarounds**

Enabling security will make exploiting this vulnerability more difficult.

**Acknowledgments**

The OPC Foundation recognizes Steven Seeley (mr_me) and Chris Anastasio (muffin) working with Trend Micro’s Zero Day Initiative for discovering and reporting this issue.

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**Revisions**