OPC Foundation Security Bulletin

Security Update for the OPC UA .NET Standard Reference Server

Published: May 3rd, 2023
Version: 1.0

Executive Summary

This security update resolves a vulnerability in the OPC UA .NET Standard Reference Server that allows remote attackers to send malicious requests that consume all memory available to the server.

This security update has a base score of 7.5 (high) using the CVSS v3.1 guidelines.

The CVSS vector string is: AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H/E:F/RL:O/RC:C

Affected Software

The following software has been updated to address the issue:

<table>
<thead>
<tr>
<th>Download</th>
<th>Replacement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OPCFoundation/UA-.NETStandard</strong></td>
<td></td>
</tr>
<tr>
<td>This version or any version after it.</td>
<td>Release 1.4.371.86</td>
</tr>
</tbody>
</table>

OPC Foundation Vulnerability Information

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><strong>CWE-1325</strong>: Improperly Controlled Sequential Memory Allocation</td>
<td>CVE-2023-27321</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
Mitigating Factors

None.

Workarounds

None.

Acknowledgments

The OPC Foundation recognizes Claroty Team82 Research working with Trend Micro Zero Day Initiative for discovering and reporting this issue.

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Revisions

• V1.0 (May 3rd, 2023): Bulletin published.