Softing Security Bulletin

Security Update for OPC UA C++ SDK

Published: 09.03.2022
Version: 1.0

Executive Summary

This security update resolves a vulnerability in the Softing OPC UA C++ SDK.
An issue was discovered in Softing OPC UA C++ SDK before 5.70.
A malformed OPC/UA message abort packet makes the client crash with a null pointer dereference.
The client process may crash unexpectedly and must be restarted.
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

Affected Software

The following software has been updated to address the issue:

OPC UA C++ SDK - affected: all versions up to 5.66.1, fixed: 5.70
dataFEED OPC Suite - affected: all versions up to 5.19, fixed: planned for 5.20
Secure Integration Server - affected: all version s up to 1.22, fixed planned for 1.30

The latest version can be found here:

https://industrial.softing.com/support/downloads.html

Softing Vulnerability Information

Vulnerability	CVE Number	Publicly disclosed	Exploited
CWE-20: Improper Input validation	CVE-2021-42577	No	No

Mitigating Factors

None.

Workarounds

None.

Disclaimer

The information provided in this disclosure is provided "as is" without warranty of any kind. Softing disclaims all warranties, either express or implied, including the warranties of merchantability and fitness for a particular purpose. In no event shall Softing or its suppliers be liable for any damages whatsoever including direct, indirect, incidental, consequential, loss of business profits or special damages, even if Softing 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 (Date TBD): Bulletin published.