Softing Security Bulletin

Security Update for OPC UA C++ SDK

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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.
An invalid XML element in the type dictionary makes the OPC/UA client crash due to an out-of-memory condition.
The client process may crash unexpectedly and must be restarted.
This security update has a base score of 6.5 (high) using the CVSS v3.1 guidelines.

The CVSS vector string is:
AV:N/AC:L/PR:L/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 from 5.56 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-2021-42262	No	No

Mitigating Factors

The attack depends on the client to establish a connection to an untrusted and possibly compromised server.

Workarounds

Use a secure connection to avoid communication with untrusted servers.

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Revisions

• V1.0 (Date TBD): Bulletin published.