

SECURITY BULLETIN AVEVA-2025-002

Title

AVEVA PI Connector for CygNet: Cross Site Scripting and Denial of Service Vulnerabilities

Rating

Medium

Published By

AVEVA Product Security Response Center

Overview

AVEVA Group Limited on behalf of itself and its subsidiaries ("AVEVA") is releasing a security update to address vulnerabilities impacting:

- PI Connector for CygNet, version 1.6.14 and all prior.

Vulnerability Technical Details

1. Cross Site Scripting

The vulnerability, if exploited, could allow an administrator miscreant with local access to the connector admin portal to persist malicious JavaScript code that will be executed by other users who visit affected pages.

CWE-79: Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')

CVSSv4.0: **6.9 Medium** | AV:L/AC:L/AT:N/PR:H/UI:P/VC:N/VI:H/VA:N/SC:H/SI:H/SA:N

CVSSv3.1: **5.5 Medium** | AV:L/AC:L/PR:H/UI:R/S:C/C:N/I:H/A:N

CVE-2025-4417

2. Denial of Service

The vulnerability, if exploited, could allow a miscreant with elevated privileges to modify PI Connector for CygNet local data files (cache and buffers) in a way that causes the connector service to become unresponsive.

CWE-354: Improper Validation of Integrity Check Value

CVSSv4.0: **6.7 Medium** | AV:L/AC:L/AT:N/PR:H/UI:N/VC:N/VI:N/VA:H/SC:N/SI:N/SA:N

CVSSv3.1: **4.4 Medium** | AV:L/AC:L/PR:H/UI:N/S:U/C:N/I:N/A:H

CVE-2025-4418

Recommendations

AVEVA recommends that organizations evaluate the impact of these vulnerabilities based on their operational environment, architecture, and product implementation. Customers using affected product versions should apply security updates to mitigate the risk of exploit.

Security Update Downloads

PI Connector for CygNet

- Upgrade to PI Connector for CygNet v1.7.0 or higher:
From [OSIsoft Customer Portal](#), search for “PI Connector for CygNet” and select version 1.7.0 or higher.

Defensive Measures and General Considerations

The following general defensive measures are recommended:

- Ensure that PI Connector for CygNet administrative access is only provided to trusted entities.
- Audit custom installation folder Access Control Lists (ACLs) to ensure access is only provided to trusted entities.
- Audit and limit membership to the OS Local “Administrators” and “PI Connector Administrators” groups.

Acknowledgements

AVEVA would like to thank:

- **CISA** for coordination of advisories and generation of CVEs

The issues in this alert were self-discovered and self-reported in accordance with OSIsoft’s [Ethical Disclosure Policy](#) to inform administrators of potential risks, so that they can take actions to minimize the effects of the vulnerability.

Support

For information on how to reach AVEVA support for your product, please refer to this link: [AVEVA Customer Support](#).

If you discover errors or omissions in this Security Notification, please report the finding to Support.

AVEVA Security Central

For the latest AVEVA security information and security updates, please visit [AVEVA Security Central](#).

U.S. Department of Commerce Industrial Control Systems Security Guide

For general information regarding how to secure Industrial Control Systems please reference the NIST Guide to Operational Technology (OT) Security, [NIST SP800-82r3](#).

NVD Common Vulnerability Scoring System (CVSS v4.0)

The U.S. Department of Homeland Security has adopted the Common Vulnerability Scoring System (CVSS v4.0) that provides an open framework for communicating the characteristics and impacts of IT vulnerabilities. CVSS v4.0 produces a numerical score as well as a textual representation of that score reflecting the severity of a vulnerability. Scores range from 0.0 (no impact) to a maximum of 10.0 (critical impact with minimal effort to exploit). For additional information please refer to the [CVSS v4.0 specifications](#).

Coordination with Authorities

Organizations observing suspected malicious activity should follow established internal procedures and report findings to applicable authorities for tracking and correlation against other incidents.

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