DATE: 11/11/2025

SECURITY BULLETIN AVEVA-2025-005

Title
AVEVA Application Server IDE: Persistent Cross Site Scripting Vulnerability

Rating
High

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 a vulnerability in the Integrated Development Environment (IDE) component of AVEVA Application Server. Application Server is distributed as part of AVEVA System Platform media. Affected versions are:

- Application Server 2023 R2 SP1 P02 and all prior versions

Vulnerability Technical Details
1. Persistent Cross Site Scripting in App Objects' help files
The vulnerability, if exploited, could allow an authenticated miscreant (with privilege of "aaConfigTools") to tamper with App Objects' help files and persist a cross-site scripting (XSS) injection that when executed by a victim user can result in horizontal or vertical escalation of privileges.
The vulnerability can only be exploited during config-time operations within the IDE component of Application Server. Run-time components and operations are not affected.

CWE-80: Improper Neutralization of Script-Related HTML Tags in a Web Page
CVSSv4.0: **7.2 High** | AV:L/AC:L/AT:N/PR:H/UI:P/VC:H/VI:L/VA:L/SC:H/SI:H/SA:H
CVSSv3.1: **6.9 Med** | AV:L/AC:L/PR:H/UI:R/S:C/C:H/I:L/A:L
CVE-2025-8386

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 Updates

- All affected versions of the Application Server IDE can be fixed by upgrading to AVEVA System Platform 2023 R2 SP1 P03 or higher:

  https://softwaresupportsp.aveva.com/en-US/downloads/products/details/d32b2534-9601-4beb-ac78-046ca2ef594d

Defensive Measures and General Considerations

The following general defensive measures are recommended:

- Audit assigned permissions to ensure that only trusted users are added to the “aaConfigTools” OS Group. For additional information on Application Server OS Security groups and accounts, see https://docs.aveva.com/bundle/sp-install/page/738031.html

Acknowledgements

AVEVA would like to thank:

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

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.

Disclaimer

THE INFORMATION PROVIDED HEREIN IS PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND. AVEVA AND ITS AFFILIATES, PARENT AND SUBSIDIARIES DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY AVEVA, ITS DEALERS, DISTRIBUTORS, AGENTS OR EMPLOYEES WILL CREATE A WARRANTY AND CUSTOMER MAY NOT RELY ON ANY SUCH INFORMATION OR ADVICE.
AVEVA DOES NOT WARRANT THAT THE SOFTWARE WILL MEET CUSTOMER'S REQUIREMENTS, THAT THE SOFTWARE WILL OPERATE IN COMBINATIONS OTHER THAN AS SPECIFIED IN AVEVA DOCUMENTATION OR THAT THE OPERATION OF THE SOFTWARE WILL BE UNINTERRUPTED OR ERROR-FREE.
IN NO EVENT WILL AVEVA OR ITS SUPPLIERS, DEALERS, DISTRIBUTORS, AGENTS OR EMPLOYEES BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, DATA OR USE, INCURRED BY CUSTOMER OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT OR TORT, EVEN IF AVEVA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. AVEVA LIABILITY FOR DAMAGES AND EXPENSES HEREUNDER OR RELATING HERETO (WHETHER IN AN ACTION IN CONTRACT, TORT OR OTHERWISE) WILL IN NO EVENT EXCEED THE AMOUNT OF ONE HUNDRED DOLLARS ($100 USD).