# Talos Vulnerability Report

TALOS-2020-1106

# Aveva eDNA Enterprise data historian CHaD.asmx multiple SQL injection vulnerabilities

SEPTEMBER 23, 2020

CVE NUMBER

CVE-2020-13501,CVE-2020-13499,CVE-2020-13500

### SUMMARY

Multiple SQL injection vulnerabilities exists in the CHaD.asmx web service functionality of eDNA Enterprise Data Historian 3.0.1.2/7.5.4989.33053. Specially crafted SOAP web requests can cause SQL injections resulting in data compromise. An attacker can send unauthenticated HTTP requests to trigger these vulnerabilities.

### CONFIRMED VULNERABLE VERSIONS

The versions below were either tested or verified to be vulnerable by Talos or confirmed to be vulnerable by the vendor.

Aveva eDNA Enterprise Data Historian 3.0.1.2/7.5.4989.33053

### PRODUCT URLS

eDNA Enterprise Data Historian - https://sw.aveva.com/asset-performance/industrial-information-management/enterprise-data-management

## CVSSV3 SCORE

9.8 - CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

#### CWE

CWE-89 - Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')

### DETAILS

.eDNA Enterprise Data Historian is highly scalable software platform that efficiently archives and quickly retrieves time-series data in business and operational environments.

Multiple SQL injection vulnerabilities exist within the web service as an unauthenticated user. A successful attack could allow an unauthenticated attacker to access information such as usernames and password hashes that are stored in the database.

## CVE-2020-13499 - Parameter InstancePath

Parameter InstancePath in CHaD.asmx is vulnerable to unauthenticated SQL injection attacks::

# CVE-2020-13500 - Parameter ClassName

Parameter ClassName in CHaD.asmx is vulnerable to unauthenticated SQL injection attacks::

# CVE-2020-13501 - Parameter InstanceName

Parameter InstanceName in CHaD.asmx is vulnerable to unauthenticated SQL injection attacks::

TIMELINE

2020-07-10 - Vendor disclosure

2020-08-10 - Vendor provided patch for Talos to test

2020-08-18 - Talos confirmed fix/patch 2020-08-27 - Public disclosure release

CREDIT

Discovered by Yuri Kramarz of Cisco Talos.

VULNERABILITY REPORTS PREVIOUS REPORT NEXT REPORT

TALOS-2020-1084 TALOS-2020-1129