

Project

CISA CVE Vulnerability by Wade Bachelder (Team: BCWHS).

Overview

A CFHTTP call to retrieve CISA CVE Vulnerability JSON which displays the data with several CFCharts. The vulnerabilities could be compared to a company's current stack to help secure their security posture. The output of data uses JSON, JSON to a Query, and CSVWrite/CSVRead to a query along with new features and CFChart enhancements.

External Dependencies

- CFHTTP to gather real-time CISA CVE JSON file.

Instructions

Run index.cfm in the BCWHS folder which will connect to CISA CVE JSON file and display several charts which can be drilled down to each software vulnerability by the vendor and product.

- Change the CFHTTP string to test COM.Allaire.ColdFusion.HTTPNotFound.
- Disconnect from the network or leave out Proxy Information (if used) to test COM.Allaire.ColdFusion.HTTPFailure.
- Run with the correct CFHTTP connection to view other features.

New Features Used (9)

- Several CFCatch exception type for CFHTTP.
- DeserializeJSON to a Query.
- Compound assignment operator (+, -=).
- CSVWrite - All CVEs saved in root CSV file with web link for download (JSON->Query->CSV).
- CSVRead - Read the saved CSV file and output all CVEs in a query list.
- CfChart - Animations (x5).
- CfChart - Themes (x3).
- CfChart - Donut (x2).
- CfChart - Floating Bar (Random Z Value).

Removed New Features (1)

- CFChartSet - The new themes look much better for the pie charts than using CFChartSet (Line 165-196). The code is in comments for comparison.

Local CF 2025 Server Specifications

- ColdFusion Version: 2025.0.02.331451
- Tomcat Version: 10.1.34.0
- Java Version: 21.0.6