

About Me



- Thomas Hofer
- Java DEV / AppSec
- OWASP Geneva Board
- State of Geneva
- @thhofer
- thomas.hofer@owasp.org



Outline



- Context
- How it works / Integration
- Sample results
- False positives
- Links
- Q&A

Context



- OWASP Top 10 2013
 - A9 Using components with known vulnerabilities
 - Prevalence: Widespread
 - Detectability: Difficult
- Dependency-Check project
 - Java & .Net
 - Team: Jeremy Long, Will Stranathan, Steve
 Springett

How it works



Searches NVD CVE

 Based on data extracted from libs compared to CPE identifiers

Can run as

- Maven plugin
- Ant task
- Gradle plugin
- Jenkins plugin

Sample results





Dependancy-Check is an open source tool performing a best effort analysis of 3rd party dependencies. Take positives and false negatives may exist in the analysis performed by the tool. Use of the tool and the reporting provided is at the user's risk in no event shall the copyring broadward best false for any other provided in a first user's risk in no event shall the copyring broadward best false for any other provided in a first user's risk in no event shall not provide on the fault and provided in a first provided in a

Project: services métiers

Scan Information (show all):

- dependency-check version: 1.3.1
 Report Generated On: oct. 19, 2015 at 15:34:54 CEST
 Dependencies Scanned: 142
- Vulnerable Dependencies: 18
- Vulnerabilities Found: 23
- Vulnerabilities Suppressed: 0

Display: Showing Vulnerable Dependencies (click to show all)

Dependency	CPE	GAV	Highest Severity	CVE Count	CPE Confidence	Evidence Count
axis-1.3.jar	cpe:/a:apache:axis:1.3	axis:axis:1.3	Medium	2	HIGHEST	10
batik-awt-util-1.6-1.jar	cpe:/a:apache:batik:1.6.1	batik:batik-awt-util:1.6	Medium	1	LOW	16
batik-bridge-1.6-1.jar	cpe:/a:apache:batik:1.6.1	batik:batik-bridge:1.6	Medium	1	LOW	15
batik-css-1.6-1.jar	cpe:/a:apache:batik:1.6.1	batik:batik-css;1.6	Medium	1	LOW	16
batik-dom-1.6-1.jar	cpe:/a:apache:batik:1.6.1	batik:batik-dom:1.6	Medium	1	LOW	15
batik-gui-util-1.6-1.jar	cpe:/a:apache:batik:1.6.1	batik:batik-gui-util:1.6	Medium	1	LOW	16
batik-gvt-1.6-1.jar	cpe:/a:apache:batik:1.6.1	batik:batik-gvt:1.6	Medium	1	LOW	15
batik-parser-1.6-1.jar	cpe:/a:apache:batik:1.6.1	batik:batik-parser:1.6	Medium	1	LOW	15
batik-script-1.6-1 jar	cpe:/a:apache:batik:1.6.1	batik:batik-script:1.6	Medium	1	LOW	16
batik-svg-dom-1.6-1.jar	cpe:/a:apache:batik:1.6.1	batik:batik-svg-dom:1.6	Medium	1	LOW	16
batik-transcoder-1.6-1.jar	cpe:/a:apache:batik:1.6.1	batik:batik-transcoder:1.6	Medium	1	LOW	15
batik-util-1.6-1.jar	cpe:/a:apache:batik:1.6.1	batik:batik-util:1.6	Medium	1	LOW	15
batik-xml-1.6-1.jar	cpe:/a:apache:batik:1.6.1	batik:batik-xml:1.6	Medium	1	LOW	15
axis-jaxrpc-1.4.jar	cpe:/a:apache:axis:1.4	axis:axis-jaxrpc:1.4	Medium	2	HIGHEST	14
axis-saaj-1.4.jar	cpe:/a.apache.axis:1.4	axis:axis-saaj:1.4	Medium	2	HIGHEST	14
axis-1.4.jar	cpe:/a:apache:axis:1.4	axis;axis:1.4	Medium	2	HIGHEST	13

False positives



- Suppression Filters added in 1.0.7 (Dec 2013)
 - Simple way to remove false positives

Links



- Project page
 <u>https://www.owasp.org/index.php/OWASP_Dependency_Check</u>
- Documentation http://jeremylong.github.io/DependencyCheck/index.html
- Source <u>https://github.com/jeremylong/DependencyCheck</u>
- Jeremy's original presentation <u>http://jeremylong.github.io/DependencyCheck/general/dependency-check.pdf</u>



Questions?