

Secure Coding Tips

HP Fortify Software Update Version 4.40 Released

This week's Secure Coding Tip is about the release of updated HP Fortify Static Code Analyzer (SCA) software, version 4.40. The most recent version of Fortify, and the complete, most recent set of the Fortify rulepacks must be used when scanning code, per the VA Secure Code Review Standard Operating Procedures (SOP).[1]

HP Fortify SCA enhancements include:

- Language Support and Enhancements
 - iOS9 Objective-C applications in Xcode 7
 - Generics support in Objective-C
 - Enhancements in 2015R3 Rules
 - JavaBean Activation Framework (JAF) support
 - Spring WS Expression Language Support
 - Enhanced SAP ABAP support
 - Extended support for Java Coding and Logic Flaws
 - Improved Python analysis
 - Improved Django framework
- High Order Analysis and Type Inference
 - Broader expression coverage involving lambdas and type arguments
 - Improved performance and analysis capabilities
- JavaScript Enhancements
 - Server-side JavaScript support
 - NodeJS support
 - Initial support for jQuery
- ColdFusion 9 & 10 support
- SCAsstate – Provides better insight and information that can easily be viewed during scan time

Scanning source code to perform security-focused code review is an authorization requirement included in the Technical / Testing Requirements of the VA Office of Cyber Security (OCS) Accreditation Requirements Guide / SOP[2], and enforced as part of the ATO issuance process. [3]

[Read more...](#)

[1] [VA Secure Code Review SOP](#)

[2] "Accreditation Requirements Guide / Standard Operating Procedures", VA OCS Assessment and Authorization intranet site.

[3] "Accreditation Requirements Expectation Memorandum" (Section 2.a.ii "Code Review"), VA Chief Information Security Officer (CISO) Stanley F. Lowe, March 19, 2014.

More Information

For more information about the VA Software Assurance Program Office, please visit our website [here](#).



Resources

[Request VA-licensed code review tools, validations, and support here](#)

[Latest VA Software Assurance Program Office announcements can be found here](#)

[Learn more about VA code review processes here](#)

Next Class:

12/15

[VA Working Group Registration Instructions](#)

[VA Application Registration Instructions](#)

Next Working Group Meeting:

12/7