

HP FORTIFY 360

What's New with Fortify Software

Version 3.0

HP Fortify 360 3.0 adds numerous features aimed at helping organizations adopt a comprehensive and flexible application-security strategy. Major enhancements include Real-Time Hybrid Analysis and SCA support for SAP's ABAP programming language.

Real-Time Hybrid Analysis

Real-Time Interaction with Runtime Analysis Real-Time Hybrid Analysis technology correlates dynamic test results with static test results, leveraging runtime technology to help identify the connection between the two. Correlating results from these different analysis engines provides a more comprehensive view of the root-cause issues in the source code. This enhanced view makes it possible to:

- Prioritize your test results
- Audit groups of related issues rather than individual issues
- Identify the actual line of code and program state where the security vulnerability occurs (for many vulnerabilities)

Real-Time Hybrid Analysis is enabled by:

- HP Fortify SCA (the static security test)
- HP WebInspect (the dynamic security test)
- HP Fortify runtime application security technology
- Either HP Fortify 360 Server, HP Fortify Audit Workbench or HP Assessment Management Platform.

HP Fortify 360 Server

HP Fortify 360 Server is a web application that provides module-based extensibility. This is the central location from which users can manage their software security initiative, including managing and reporting on results from HP Fortify, HP Application Security Center and 3rd party analysis engines. HP Fortify 360 Server provides a security dashboard, a risk-based inventory of applications and customizable performance metrics.

New enhancements for this release:

- **Real-Time Hybrid Analysis** – Users can correlate HP Fortify SCA, HP WebInspect, and runtime analysis test results files for a deeper understanding of potential security vulnerabilities in their applications.
- **Due date in Governance** – The Governance module now allows users to specify due dates in a process

template. In addition, a user can set an alert when a process template activity isn't completed by the due date.

- **Alerts for System Events** – You can now set alerts to notify a user when specific system events occur, such as:
 - A result file successfully processed
 - An error occurred in processing a results file
 - A results file requires approval for processing
 - A report is generated successfully
 - A user is granted access to a project
- **Enhancements to Custom Tags** – Users can now create and manage custom tags separately from project templates. In addition, new capabilities have been added to the custom tag definitions. Custom tags can now be restricted so that only privileged users can set their value. Custom tags can also be defined so end users can dynamically add new values when auditing.
- **Paginated Dashboard** – Users can now organize their dashboard into pages.

HP Fortify Audit Workbench

HP Fortify Audit Workbench (AWB) enables both stand-alone analysis and auditing of projects in conjunction with HP Fortify 360 Server. AWB includes many of the features described above in 360 Server, as well as the following new features in this release:

- **Support for WebInspect** – The ability to view and audit results from WebInspect
- **Integration with HP Quality Center** – In addition to support for HP Quality Center 10, legacy support has been enhanced to include HP Quality Center 9.2.
- **Custom Tag Support** – AWB supports the new custom tag features used in HP Fortify 360 Server.

Analyzers

HP Fortify Source Code Analyzer (SCA) provides root-cause identification of vulnerabilities in source code,

while Fortify Real Time Analyzer (RTA) provides real-time monitoring of attacks and root-cause identification of vulnerabilities after an application has been deployed into production. In addition to SCA and RTA, HP Fortify adds new runtime application security technology that AWB and HP Fortify 360 Server use to provide Real-Time Hybrid Analysis.

- **ABAP Support** – SAP's ABAP programming language is now the 19th language supported by SCA.
- **HP Fortify RTA** – Additional support for .NET 4.0 runtime environment and IBM WebSphere 6.0 application server.

Runtime application security technology

This release introduces new runtime application security technology for observing attacks in real-time.

- **No touch deployment** – Using the same interface made available to debuggers and profilers, runtime analysis deploys without modifying any part of the runtime environment or application.
- **Secure code insight** – Provides full runtime context for attacks performed on a running application. Developers benefit from security results that come complete with line of code information, stack traces, HTTP request and response details, and the data the application was handling during the attack.
- **Intelligent correlation** – By sitting in between the code and the attacker, runtime analysis provides the critical data that enables accurate correlation between HP Fortify SCA and HP WebInspect results.
- **Data analysis** – Runtime analysis' position inside the application allows for a unique ability to not only analyze the code but the data. This provides accurate detection of privacy violations related to Social Security Numbers and Credit Cards.

Additional enhancements

HP Fortify 360 v3.0 provides numerous enhancements and bug fixes. The following is a selective summary of additional enhancements introduced to address customer requests.

HP Fortify 360 Server

- Improved metric reporting on 'Time to Fix'
- Enhanced defect tracking integration
- Enhanced user selection when using LDAP
- Enhanced LDAP integration

- Enhanced purging
- Distribution of project templates

Audit Workbench & IDE Plugins

- Improved performance during saving
- Enhanced Visual Studio support for manually created issues
- AWB is now available as a 32 Bit OR 64 Bit process
- More flexibility in working with source code
- Enhanced UI
- Expanded defect tracking integration API
- Enhanced presentation of runtime issues

HP Fortify RTA

- Enhanced support for OSGI

HP Fortify SCA

- Enhanced X-Tier support for TSQL
- Enhanced classic ASP and VBScript support
- Enhanced JavaScript support
- Enhanced Web application dataflow analysis

Resources

For more information about the features in the release, consult the release notes for each product.

