

HP FORTIFY SOFTWARE SECURITY CENTER

Proactively Eliminate Risk in Software

Trust Your Software™

ENTERPRISE SECURITY



92% of exploitable vulnerabilities are in software

—National Institute for Standards and Technology (NIST)

Can You Trust Your Software?

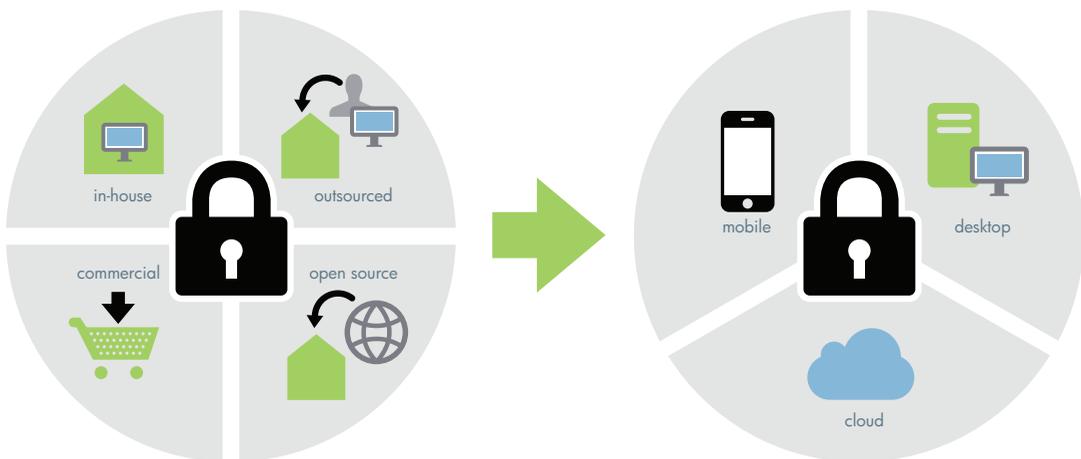
Business software is more accessible than ever. Even legacy and in-house applications are now available from the web, in the cloud, and on mobile devices. As a consequence, today's applications can extend far beyond the reach of the best perimeter defenses, leaving them — and the sensitive information at the core of your enterprise — wholly unprotected.

Hackers, organized crime cartels, and rogue governments are highly skilled at exploiting vulnerabilities in software to:

- Steal data, customer identities, intellectual property, and cash
 - Disrupt business operations
 - Inflict brand damage
 - Place employees, customers, and the public at risk
- \$7.2 M = average organizational cost per security breach (U.S.).
 - Ponemon Institute study, March 2011
 - 93% = increase in web attacks from 2009 to 2010
 - Symantec Internet Security Threat Report, April 2011
 - 250% = increase in mobile malware from 2009 to 2010
 - Juniper Networks study, May 2011

Figure 1: Risk is Everywhere

Vulnerability risks can be present in software no matter how it's created or deployed.



SSA: A Systematic Approach to Eliminating Risk in Software

Increasingly, leading enterprises and organizations are finding that the most effective way to secure today's software is by employing a proactive approach known as Software Security Assurance (SSA). It's a comprehensive discipline that provides you with a systematic way to eliminate vulnerability risk in software. SSA is based on the very sound principle that it's far more effective and cost-efficient to secure applications while they're being developed than to do so after they've been deployed. Accordingly, the key objectives of SSA are not only to identify and remove risk in existing applications, but more importantly to promote secure development practices during development and throughout the application lifecycle.

HP Fortify Software Security Center

HP Fortify Software Security Center enables any organization of any size to automate any or all aspects of a successful SSA program. Part of the family of HP Enterprise Security Products, HP Fortify Software Security Center is comprised of industry-leading products, solutions, and features that address the complete spectrum of your application security needs.

HP Fortify Software Security Center can help you:

- **Address immediate security issues** in software you've already deployed.
- **Reduce systemic risk** in software you're developing or acquiring from vendors.
- **Meet compliance goals** for internal and external security mandates.

Whether you're just getting started with software security and want to know where you stand or take your established SSA program to the next level, HP Fortify Software Security Center can get you there faster and for less cost.

Key Benefits

- Reduces time to find and fix vulnerability issues in software.
- Lowers costs associated with development, remediation, and compliance.
- Boosts productivity by automating application security procedures.
- Accelerates time to market by ensuring fewer security-related delays.

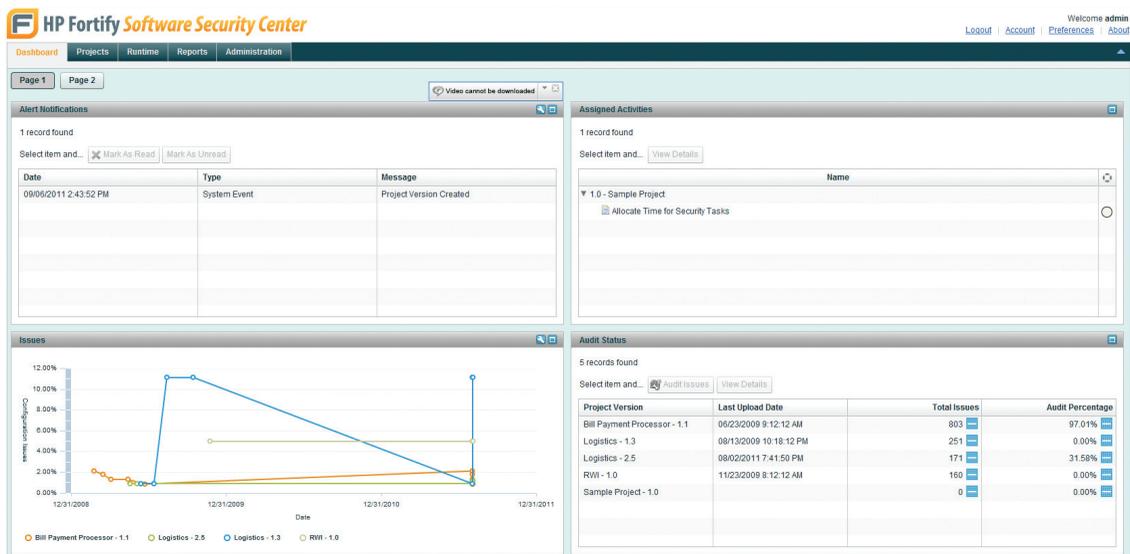
Comprehensive Security for Enterprise Applications

With HP Fortify Software Security Center, your teams can ease the burden and the cost of securing almost any mission-critical application, regardless of development technology. Comprehensive in scope, it helps eliminate vulnerability risk whether your software is deployed using traditional networks, the cloud, or mobile technology. The suite provides unmatched capabilities in two primary areas, designed to help you achieve the most essential software security objectives:

- **Security Testing** — Identify exploitable vulnerabilities in less time, with less effort — no matter how or where your software originates.
- **Secure Development Lifecycle** — Work with development and vendors to fix security issues fast in deployed software and ensure that security is built-in to all future software from the very beginning.

Figure 2: Software Security Center Dashboard

HP Fortify Software Security Center provides the ability to eliminate risk in existing applications and deliver new applications with security built in.



Security Testing with HP Fortify Software Security Center

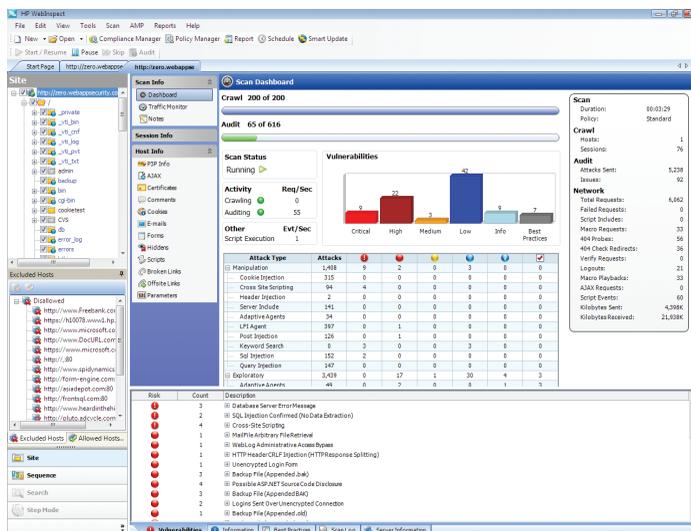
Accurately Assess the Security State of Your Applications

Security testing with HP Fortify Software Security Center helps you quickly gain an accurate picture of risk in your applications, no matter if they're developed in-house or by vendors. It provides you with the broadest set of security testing capabilities available, such as:

- **Static Analysis**, also known as Static Application Security Testing (SAST), available from **HP Fortify Static Code Analyzer (SCA)**.
 - Detects more types of potential vulnerabilities than any other detection method
 - Pinpoints the root cause of vulnerabilities with line-of-code detail
 - Helps you identify critical issues during development when they are easiest and least expensive to fix
- **Dynamic Analysis**, also known as Dynamic Application Security Testing (DAST), available from **HP WebInspect**. (see Figure 3)
 - Detects vulnerabilities in running Web applications and Web services by simulating comprehensive attack scenarios
 - Validates whether a particular vulnerability is in fact genuinely exploitable
 - Speeds remediation by enabling you to know with certainty which issues to address first and why

Figure 3: WebInspect Scan Dashboard

The Dashboard delivers real-time visibility into and interactivity with test results.



Maximizing the Best of Both

HP Fortify Software Security Center provides an industry first — the ability to significantly enhance the accuracy and scope of dynamic and static testing through real-time hybrid analysis. Its unique HP Fortify SecurityScope technology combines the vulnerability verification of HP WebInspect with the superior application coverage and code-level insight of HP Fortify SCA. As a result, it increases the relevancy of results, enabling you to identify more of your most urgent issues and fix them sooner because you know their precise cause and location in the source code.

Threat Intelligence

Cyber criminals uncover new vulnerabilities in software every day. To guard against such relentless ingenuity requires ongoing, in-depth analysis into evolving application security issues and risks. All HP Fortify Software Security Center testing products leverage the latest threat intelligence furnished by the HP Fortify Security Research Group (SRG), the world's largest commercial vulnerability research team.

Secure Development Lifecycle with HP Fortify Software Security Center

Systematically Eliminate Software Risk throughout the Enterprise

With versatile capabilities such as those offered in the HP Fortify Software Security Center server, Secure Development Lifecycle components provide everything you need to ensure that development teams and third-party vendors can efficiently remove risk from all of your applications, whether currently deployed, in development, or in planning.

Remediation Management

With HP Fortify Software Security Center, diverse security and development teams can work together as one to triage, rapidly fix, track, validate, and manage vulnerability problems in deployed software. Shared collaboration environments and audit toolsets enable key personnel to apply repeatable, automated processes to address issues faster and more cost effectively. Moreover, they speed remediation further still because they integrate with industry-standard integrated development environments (IDEs), quality assurance (QA) tools, and bug tracking systems.

Proactive Software Security Management

The HP Fortify Software Security Center suite empowers you to ingrain software security into all software-related processes. Its centralized tools and pre-defined templates help automate and orchestrate the many activities required to apply Software Security Assurance policies and best practices from the outset in the development of new software and at every stage in the application lifecycle. Additionally, it serves as a system of record for all software security activities, while helping you foster a culture of application security awareness throughout your organization.

Your Choice of Delivery Options

Secure Your Applications in the Way That Works Best for You

HP Fortify Software Security Center is available through a choice of delivery models, designed to meet your specific needs and circumstances. If you have the staffing resources and infrastructure, you may prefer to deploy and run the suite yourself on-premise. If you want to get started quickly, without having to procure hardware, deploy software, and train staff, you can take advantage of HP Fortify *on Demand* (see Figure 4), a cloud-based security-as-a-service solution based on HP Fortify Software Security Center. Both options are available with Managed Services offerings to augment your staff and provide whatever expertise you may need to expand and improve your application security efforts.

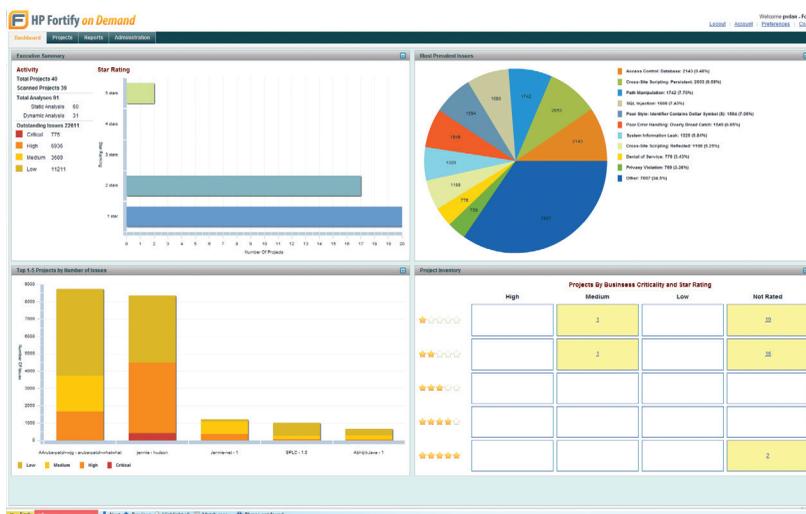
COMPOUND YOUR BENEFITS

The benefits from HP Fortify Software Security Center multiply the more you use them, according to results from a Mainstay Partners return on investment (ROI) study, which reported:

- Annual benefits of as much as \$37 million
- Reduction in average remediation time from two weeks to one hour
- Reduction in repeat vulnerabilities from 80 percent to virtually zero
- \$44,000 in average remediation cost savings per application
- \$3.8 million in average yearly savings from faster time-to-market

Figure 4: The Executive Dashboard

The HP Fortify *on Demand* Executive Dashboard shows key results for your application testing projects from a single screen.



Maximize Your Investment

HP Fortify Software Security Center delivers substantial advantages, helping you develop safer code, boost productivity, reduce costs, protect your data assets, and more effectively manage all software security activities. HP Enterprise Security Products provides holistic services to help you make the most of these and other benefits, with real-world Software Security Assurance expertise from thousands of customer deployments, more than anyone else in the industry.

Consulting Services

- Security Risk Assessments
- Software Security Strategy and Planning
- SSA Roadmap Development
- Secure Development Process Implementation

Training and Education

- Security Awareness and Secure Coding education programs
- Software Security Assurance eLearning courses
- TeamStart Workshops
- HP Fortify Product eLearning courses

About HP Enterprise Security

HP is a leading provider of security and compliance solutions for modern enterprises that want to mitigate risk in their hybrid environments and defend against advanced threats. Based on market leading products from ArcSight, Fortify, and TippingPoint, the HP Security Intelligence and Risk Management (SIRM) Platform uniquely delivers the advanced correlation, application protection, and network defense technology to protect today's applications and IT infrastructures from sophisticated cyber threats. Visit HP Enterprise Security at: www.hpenterprisesecurity.com

For more information

Learn more about HP Enterprise Security Products and HP Fortify Software Security Center. Visit www.hpenterprisesecurity.com or www.fortify.com, or contact an HP Fortify representative by calling +1 (650) 358-5600, or for federal sales, +1 (650) 378-5096.

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