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Application security

HPE Security Fortify Software Security Center

Software Security Center capabilities



Detect

Identify application vulnerabilities early in the SDLC when they are the least costly to fix



Prioritize

Focus on the vulnerabilities that pose the highest risk to your organization and your customers



Fix

Remediate vulnerabilities early and feed the information back to developers to prevent future problems

Business Value Model Update and Benchmark KPI Methodology, IDC, H2 2013 HPE Security Fortify Software Security Center is an application security testing solution that identifies and prioritizes security vulnerabilities in software so that issues are fixed and removed quickly before they can be exploited for cybercrime.

HPE Security Fortify Software Security Center combines the most comprehensive static and dynamic testing technologies with security research from HPE global research team and can be deployed in-house or as a managed service to build a customized Software

Security Assurance (SSA) program that meets the evolving needs of today's IT organizations.

Software Security Center helps organizations with two key challenges:

- Validating the security of custom-built software applications as well as those from third parties
- Increasing the speed and efficiency of building security into the software development lifecycle (SDLC)

Quantifiable business benefits

HPE Security Fortify solution benefits

- Lower application rework costs
- Lower application security assessment costs
- Faster application development and timeto-value
- Fewer application security incidents resulting in loss of end user productivity
- Improved security audit process efficiency
- Fewer application vulnerabilities resulting in regulatory penalties
- Reduced risk of application vulnerabilities discovered after release
- Reduced time and effort associated with manual code review
- Reduced time and effort associated with assessment report preparation
- Faster resolution of software security incidents
- Reduced time and effort with application QA testing

Anticipated improvements¹

Time to develop, test, and deploy new applications





- Reduction in vulnerabilities found during application testing: 50%
- Reduction in application security assessment cost: 77%
- Reduction in application security incidents resulting in productivity loss: 59%
- Reduction in the time and effort associated with software security audits: 67%
- Reduction in risk of a vulnerability leading to regulatory penalties: 56%
- Reduction in effort associated with manual code assessment: 95%
- Reduction in software security assessment report preparation time: 48%

Reduction in post-deployment software security vulnerabilities

72%



Example business case

A U.S.-based **retail organization** with annual revenues of \$1 billion USD chose HPE Security Fortify Software Security Center for their application security assurance needs.

They had been experiencing a high number (on average >20) of costly vulnerabilities after application release.

In addition, they needed to reduce the application security testing time to which they had dedicated previously dedicated **5.5 full-time equivalents (FTEs)**.

And finally, they estimated their risk of a costly compliance penalty at **10 percent** and had recently been fined a total of **\$3.5 million USD** because of a security breach.

The following example calculation includes **only 3 of the 11 benefits** and anticipated improvement values **from page 1.** Yet a substantial return on investment (ROI) is easily demonstrated.

Reduction in post-deployment vulnerabilities

| Defects per year | Cost per defect | Improvement | Savings |
|---------------------|-----------------|-------------|---------------|
| 21 | \$12,000 USD | 72% | \$168,000 USD |

Reduction in post-deployment vulnerabilities

| FTEs | Salary | Improvement | Savings |
|------|---------------|-------------|---------------|
| 4.5 | \$125,000 USD | 78% | \$438,750 USD |

Reduction in post-deployment vulnerabilities

| Risk | Penalty | Improvement | Savings |
|------|-------------|-------------|---------------|
| 10% | \$3.5M USD* | 56% | \$196,000 USD |

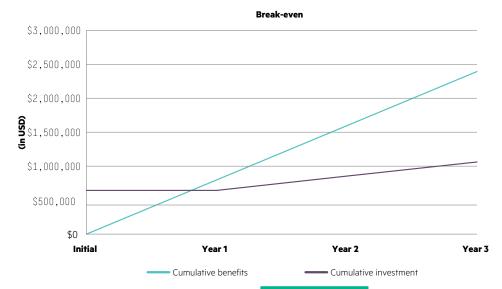
^{*} Note: Only 10 percent of indirect benefits are claimed per HPE's conservative methodology.



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Cumulative first year savings from the three benefits selected total \$802,750 USD.

Assuming an initial investment of \$750,000 USD with support costs commencing from year two onward, the justification for an investment in HPE Security Fortify Software Security Center is clear:

- 132 percent ROI
- 1,077,420 USD net present value (NPV)
- 83 percent internal rate of return (IRR)
- 12-month payback period

Customer proof points

"Adding WebInspect dynamic scanning into the SDLC, we've diminished critical software flaws by 94%. WebInspect gives us a lot of confidence that the applications we release will not expose our customers or consumers to any security risks."

Tony Spurlin, Chief Information Security
Officer, Cox Automotive

"HPE Security Fortify software is important in realizing our product security strategy, because it helps us detect vulnerabilities early in the development lifecycle. This is essential for us, because the earlier we find vulnerabilities, the more efficiently we can repair them. I can definitely say that HPE Security Fortify software has helped SAP in producing more secure code."

 Uwe Sodan, TIP Security, Engineering Excellence and Education, Code Analysis Team Manager, SAP

A business case for your organization

HPE offers financial modeling capabilities for your geographical area, industry vertical, and organizational size. Contact your HPE sales representative or write to us at

esp-value-management@hpe.com to see what HPE Security Fortify Software Security Center can do for you.

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