

# 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

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)



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

### Quantifiable business benefits

#### HPE Security Fortify solution benefits



- Lower application rework costs
- Lower application security assessment costs
- Faster application development and time-to-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 improvements

#### Time to develop, test, and deploy new applications

46%



- 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%**



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

#### Reduction in post-deployment software security vulnerabilities

72%



<sup>1</sup> Business Value Model Update and Benchmark KPI Methodology, IDC, H2 2013

## 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

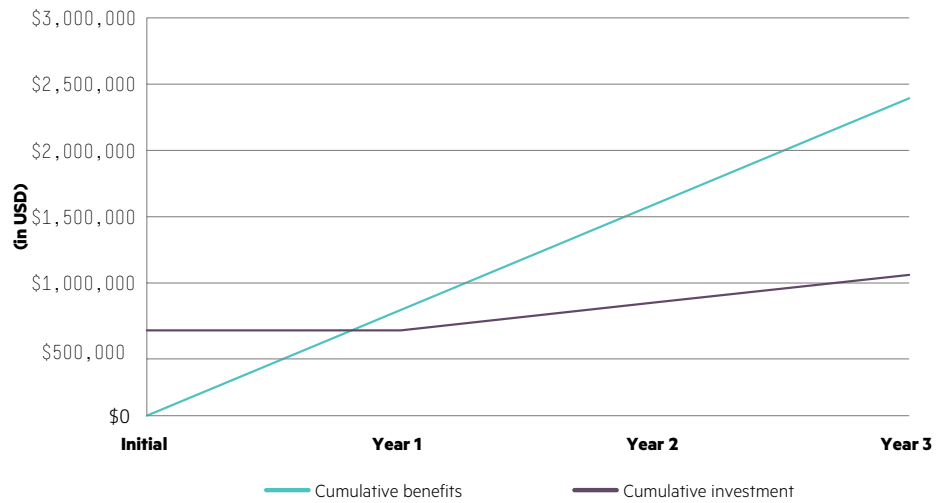
\* Note: Only 10 percent of indirect benefits are claimed per HPE's conservative methodology.



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Break-even



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

“...we are saving the company approximately \$18 million USD a year, while improving the security of our software by a factor of 3.5.”

– Ariel Silverstone, Information Security Director, Travelport

“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](mailto:esp-value-management@hpe.com) to see what HPE Security Fortify Software Security Center can do for you.

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