

HP FORTIFY ON DEMAND

Enterprise Software Security in the Cloud

Data sheet

Hosted security-as-a-service

HP Fortify *on Demand* is a Security-as-a-Service (SaaS) testing solution that allows any organization to test the security of software quickly, accurately, affordably, and without any software to install or manage. This automated on-demand service helps organizations with two key challenges:

- Ensuring the security of applications licensed from third parties
- Increasing the speed and efficiency of building security into a development lifecycle

HP Fortify *on Demand* serves the role of an independent, third-party system of record, conducting a consistent, unbiased analysis of an application and providing a detailed tamper-proof report back to the security team. Users simply upload their application binaries and/or provide a URL for testing. HP Fortify *on Demand* can conduct a static and/or dynamic test, verify all results, and present correlated findings in a detailed interface and report.

How HP Fortify *on Demand* works

1. Upload

Upload your binary or point us at your URL and receive a comprehensive application layer test that encompasses static and dynamic analysis. Leverage HP Fortify *on Demand* across all applications.

In-house – Collaborate with your developers to test in-house applications before you deploy into production.

Commercial – Protect your investments by ensuring all commercial software is secure before licensing.

Outsourced – Guarantee that your outsourced code is written securely.

Open source – Ensure that any open-sourced software is compatible with your security expectations.

2. Test

Our security-as-a-service expert team will conduct a thorough audit of your application for security vulnerabilities.

Static analysis – Users simply and securely upload either binary, byte, or source code and HP Fortify *on Demand* completes award-winning static analysis.

Dynamic analysis – Users provide the URL of any application either in QA or production, and HP Fortify *on Demand* can be scheduled to test automatically at one of three levels of service.

Expert review – All results are reviewed manually by a software security expert to ensure the highest degree of accuracy.

3. Review

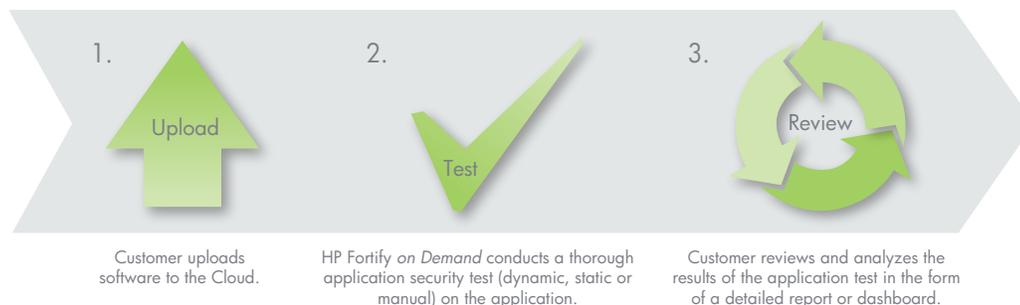
Review detailed and correlated results.

Executive dashboard – Monitor and manage all your application testing projects from a single point of record. Development and security teams can save time, effort and headaches by communicating and collaborating through a central location.

Detailed reporting – Assessments are delivered in a report featuring a consistent five-star rating system typically in one day. Results are correlated and prioritized by severity and exploitability. Issues identified include line of code-level details with suggestions on how to fix.

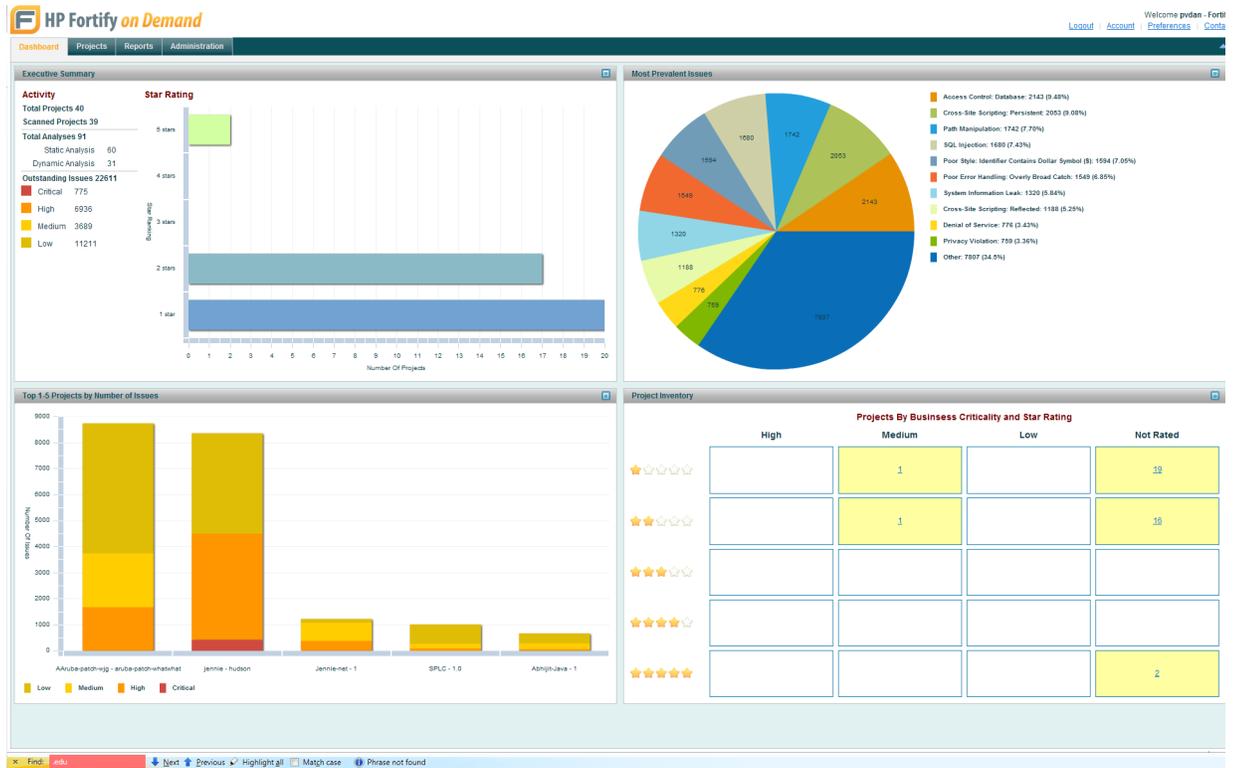
Figure 1:

Shown are the three key steps of the HP Fortify *on Demand* process.



HP Fortify on Demand Executive Dashboard:

The Executive Dashboard shows key results for your application testing projects from a single screen.



HP Fortify on Demand use cases

HP Fortify on Demand can secure any application, whether it's developed internally or by third-party organizations. Typically, it's used in these scenarios:

Security testing for internal applications

This enables any organization to test the security of all in-house software—whether in development or deployed in production. HP Fortify on Demand establishes a security baseline across the entire software portfolio. With no hardware or software to deploy or maintain,

Figure 2:

HP Fortify on Demand won the "Best Security Solution" CODiE Award.

//CODiE//
2011 SIIA CODiE WINNER

customers can test more applications—hundreds or even thousands—efficiently and effectively. Short on staff? The HP Fortify team of experts provides all the testing and triaging necessary. With an annual subscription, HP Fortify on Demand users enjoy unlimited uploads and scans.

Security testing for third-party applications

HP Fortify on Demand provides an independent review of third-party applications, allowing organizations to test software before purchasing, and also allowing software vendors to demonstrate the security of their software. Third-party vendors can upload the binary and/or provide a URL, review the results, and then publish a report back to their customer. This service compels commercial vendors to take action to proactively fix vulnerabilities, while allowing them to remain in control of their applications. Security professionals can demand that high-priority problems be addressed and verified during the procurement or upgrade process, prior to acceptance. HP Fortify on Demand serves as an independent third-party to conduct unbiased analysis of applications and provide a detailed tamper-proof report back to the security team.

“Security testing as a service is a way for enterprises to reduce upfront costs and to augment limited internal resources when undertaking a software security program. This technology area is growing and will have a significant impact on the application security market.”

Joseph Feiman, Ph.D., Research Vice President and Gartner Fellow, Gartner

Selecting the right solution for you

How do you choose between an on-premise or on-demand solution?

HP Fortify doesn't lock you into your investment. We offer both an on-premise and an on-demand solution.

- Some companies start with HP Fortify on Demand due to the low cost of ownership and the luxury of quickly jumpstarting their software testing. Later, they may decide to bring the technology in-house, once the expertise has ramped up.

- Other companies select a hybrid model, with some applications sent to HP Fortify on Demand for testing and others analyzed in-house.

With HP Fortify, customers have the flexibility to adopt either or both an on-demand and an on-premise solution. Both solutions leverage the same analysis techniques, vulnerability categorizations and application-rating systems. HP is the only company that offers this flexibility in deployment.

Figure 3:
You can choose an on-premise or on-demand solution.

	On-demand	On-premise
Deployment	Easy: No deployment, no hardware, no training	Involved: Requires local installation and supporting hardware
Expertise required	Little: Results triaged by experts and delivered in easy to read reports	Significant: Requires expertise to set filters and triage results
Time to results	Days: 1 day per scan	Hours: Hours per scan
Control	Less: Standardized process	More: 100% control—instant access to all capabilities at any time
Integration	Medium: Primary results are in report, but can be sent to bug-tracking systems and IDEs	Tight: Tight integration with build systems, bug tracking, revision control, test automation

About HP Fortify on Demand

HP Fortify on Demand features

- Best-of-breed analysis
 - Market-leading static and dynamic capabilities
 - Analysis capabilities tested across 900+ customers
 - Largest, most experienced security research team
- Correlated static and dynamic results with detailed priority guidance
- Accurate results, tailored to each application
- All results manually reviewed by application security experts
- Central testing program management for all applications

HP Fortify on Demand benefits

- No upfront investments:
 - No need to procure and install hardware into user datacenter
 - No need to procure, install and maintain software in user datacenter
 - No need to hire costly security experts, employees or contractors
- Quick time-to-result
- Flexibility to migrate easily and quickly to the HP Fortify on-premise solution
- Easy to get started—no need to wait for lengthy procurement, approvals or deployments
- Quickly pass compliance with PCI, HIPAA, FISMA and many other standards

HP Fortify on Demand specifications

- Static analysis
 - Binary, byte or source code for 16 different languages
- Dynamic analysis
 - *All web applications

Languages supported

- Java
- ASP.NET
- C#
- VB.NET
- PHP
- COBOL
- ColdFusion
- Classic ASP
- VB6
- VBScript
- JavaScript/Ajax
- JSP
- Python
- PL/SQL
- T-SQL
- XML/HTML

HP Fortify Software Security Center

HP Fortify on Demand is a part of the HP Fortify Software Security Center suite, a comprehensive solution for automating and managing an application security program in the enterprise. HP Fortify Software Security Center proactively eliminates the immediate risk in legacy applications, as well as the systemic risk in application development processes.

