



HP QAInspect software

Data sheet



HP QAInspect software allows quality assurance (QA) professionals to incorporate fully automated web application security testing into your overall test management process without the need for specialized security knowledge and without the risk of slowing aggressive product release schedules.

Standardize security as part of your testing process

With more than one million new web applications being launched each month and successful hacker attacks in the news each week, application security is no longer an afterthought. With an increased focus on application security, security and operations professionals are finding security vulnerabilities in production web applications. These vulnerabilities are usually traced to defects in the source code and assigned back to development for remediation and quality assurance (QA) for regression testing.

Many organizations now realize that security must be a priority during development and QA. Development and QA teams are learning that web application security vulnerabilities must be treated like other software defects. QA professionals know they can save organizations

time and money by identifying these security defects early in the software lifecycle—long before web applications are deployed in production environments. However, most QA professionals are not security experts and need help in identifying security defects within their existing processes and tools.

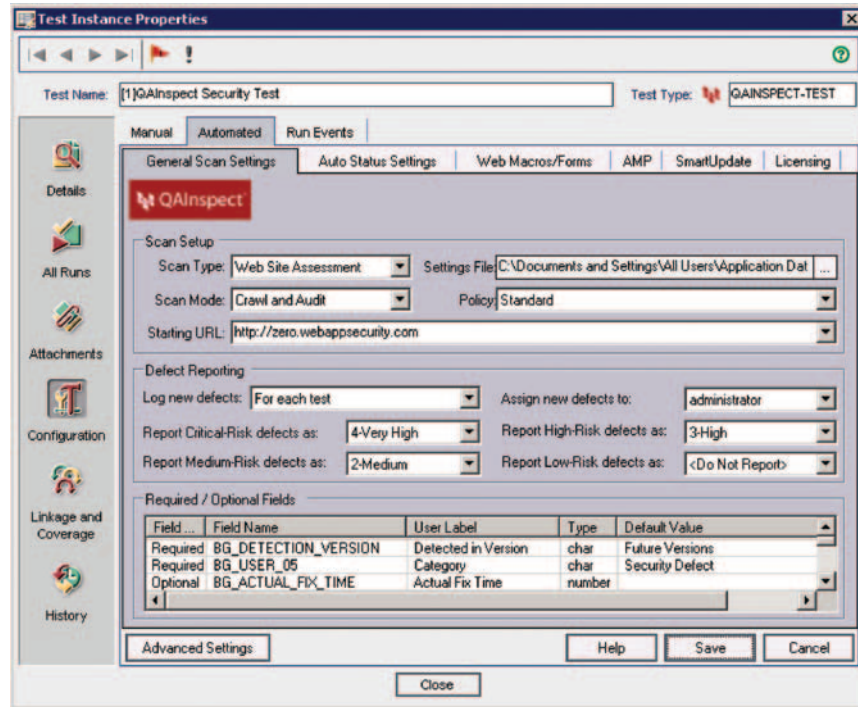
HP QAInspect software provides comprehensive security management for QA teams. It applies innovative techniques to identify security defects from the hacker's perspective. HP QAInspect reports on those vulnerabilities with detailed security knowledge in a way that you can understand with a concise prioritized list of vulnerabilities and thorough vulnerability descriptions. Analysis results yield detailed information on the possible types of attacks, such as cross-site scripting (XSS) or structured query language (SQL) injection, as well as on compliance issues related to regulations, such as the Sarbanes-Oxley Act (SOX), the Health Insurance Portability and Accountability Act (HIPAA) and the Payment Card Industry (PCI) Data Security Standard (DSS).

Get comprehensive security management

Security vulnerabilities should be treated like any other software defect. HP QAInspect helps you save time and money by finding security defects early and providing the information you need to work with

Get an embedded configuration

The HP QAInspect user interface is embedded within HP Quality Center interface for ease of use.



developers to fix them quickly and prevent potential attacks in production. As a result, you can dramatically reduce your organizational risk.

Integrate security testing into your testing environment

HP QAInspect features deep and intuitive integrations. It is designed to fit naturally with the way you work so that security testing becomes as familiar as functional and performance testing. You can perform security testing of your applications without ever leaving your testing environment and automatically manage security defects using your preferred testing solution.

Analyze today's modern applications

Most application scanners are designed for legacy web technologies and lack the intelligence required to scan emerging Web 2.0 applications that use Ajax, SOAP, JavaScript and Flash technologies. HP QAInspect has been architected to analyze today's web application technologies, supporting complicated sites.

Support legal and regulatory compliance

HP QAInspect includes detailed reports that show how you should change your web applications to meet regulatory standards. In addition, you can create new policies or customize existing ones with the Policy and Compliance Manager feature. HP QAInspect contains policies for more than 20 laws, regulations and best practices, including:

- Sarbanes-Oxley
- California SB 1386
- Gramm-Leach-Bliley Act (GLBA)
- Health Insurance Portability and Accountability Act (HIPAA)
- ISO 17799
- PCI Data Security Standard
- OWASP Top Ten

Share knowledge and data

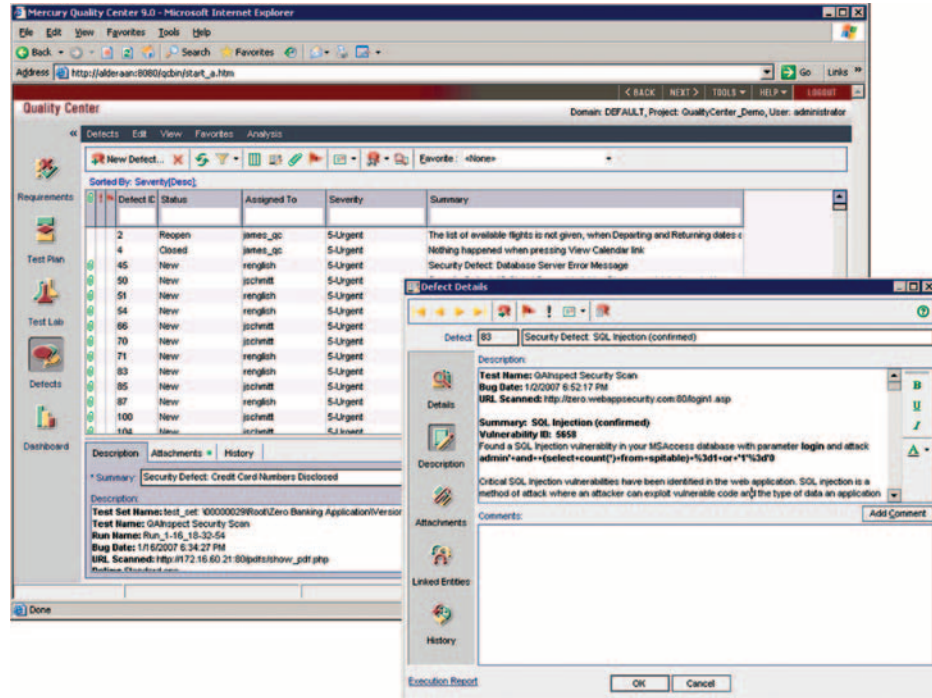
HP QAInspect provides pre-packaged web application security expertise that keeps up with the latest known vulnerabilities and hacker techniques. You can improve your security expertise while securing applications using SecureBase, a leading knowledgebase of application security vulnerabilities and best practices for fixing them. HP security experts find and capture known security vulnerabilities and constantly research the next generation of web application threats to populate the knowledgebase.

Integrate across your enterprise

HP QAInspect integrates with HP Assessment Management Platform software for enterprise-wide, distributed assessment capabilities. HP Assessment Management Platform provides a scalable, organization-wide view of application security with centralized control over user permissions, security policies and remote scanning administration.

Leverage existing functional test scripts

HP QAInspect can find and prioritize security vulnerabilities in specific usage scenarios or pages of web applications during testing, and can present detailed information and remediation advice about each vulnerability.



Get comprehensive, accurate and fast results

HP QAInspect includes several breakthrough innovations for accuracy, including simultaneous crawl and audit (SCA) and Intelligent Engines features. Simultaneous crawl and audit combines the application crawl and audit phases into a single fluid process. The scan is refined based on real-time audit findings, resulting in a comprehensive view of the web application's attack surface.

Intelligent Engines employs a structured, logic-based approach to analyzing an application and then customizes attacks based on the application's behavior and environment. HP QAInspect combines these sophisticated, ground-breaking assessment technologies with known web application vulnerabilities in SecureBase. Its new architecture provides broader coverage for today's web applications and results an accurate and fast assessment.

Part of a lifecycle approach to application security

HP QAInspect is part of HP Application Security Center, a comprehensive suite of products and services that support the entire web application lifecycle, from development to ongoing operations management and auditing. These security products identify vulnerabilities

early in the software lifecycle and help prevent new vulnerabilities from being introduced throughout the life of the application. These products are designed to foster collaboration among developers, security professionals and QA teams. Trustworthy software becomes possible only when security becomes a standard requirement in the entire development process.

Tight integration with HP quality management products

HP QAInspect is tightly integrated with HP Quality Center products, letting you analyze web applications within your existing testing framework.

HP QAInspect lets you plan, configure, execute and manage automated web application security from HP Quality Center software. You can leverage existing HP Quality Center and HP TestDirector software features for your security tests. Using pre-built assessment technology that automatically integrates with HP Quality Center, you can save time and identify security vulnerabilities quickly and easily.

HP QAInspect lets you leverage existing functional test scripts, created with HP QuickTest Professional software, to perform automated security analysis of your business processes. HP QAInspect converts existing functional scripts and lets you leverage these converted scripts in a

HP QAInspect checks for:

Data injection and manipulation attacks

- Reflected XSS
- Persistent XSS
- Cross-site request forgery
- SQL injection
- Blind SQL injection
- Buffer overflows
- Integer overflows
- Log injection
- Remote File Include (RFI) injection
- Server Side Include (SSI) injection
- Operating system command injection
- Local File Include (LFI)

Sessions and authentication

- Session strength
- Authentication attacks
- Insufficient authentication
- Insufficient session expiration

Server and general HTTP

- Secure Sockets Layer (SSL) certificate issues
- SSL protocols supported
- SSL ciphers supported
- Server misconfiguration
- Directory indexing and enumeration
- Denial of service
- HTTP response splitting
- Windows 8.3 file name
- DOS device handle DoS
- Canonicalization attacks
- URL redirection attacks
- Password autocomplete
- Cookie security
- Custom fuzzing
- Path manipulation—traversal
- Path truncation
- Ajax auditing
- WebDAV auditing
- File enumeration
- Information disclosure
- Directory and path traversal
- Spam gateway detection
- Brute force authentication attacks
- Known application and platform vulnerabilities

security scan. Not only does this save time by eliminating the need to manually create security scripts, but HP QAInspect also reduces scan time and lets you focus on specific pages and process flows.

Key features and benefits

Sophisticated integration

- Integrate with HP quality management solutions: integrate with HP Quality Center and HP TestDirector
- Integrate defect reporting results: see security defects reported alongside functional defects in HP Quality Center
- Identify concise, prioritized vulnerabilities: prioritize vulnerabilities based on business risk
- Get quick time to value with an embedded user interface: use the scan configuration user interface in HP Quality Center

Detailed reporting and compliance

- Run high-level management reports: show a snapshot of your enterprise-wide security status, using either HP Quality Center or HP QAInspect reporting technologies
- Create detailed reports for development and QA: customize reports for development and QA teams
- Run comprehensive compliance reports: run compliance reports for all major regulatory standards, including PCI, SOX and HIPAA, using scan data
- Get trend analysis and security readiness reporting: watch application security trends

Innovative assessment technology

- Get simultaneous crawl and audit (SCA): produce faster scans and more accurate results through the combined application crawl and audit process
- Have broader coverage, reduced false negatives: reduce false negatives using scan technology built specifically for today's complex applications
- Support IPv6: support your IPv6-enabled networks and hosts

HP Services

Get the most from your software investment

HP provides high-quality software services that address all aspects of your software application lifecycle needs. With HP, you have access to standards-based, modular, multi-platform software coupled with global services and support. The wide range of HP service offerings—from online self-solve support to proactive mission-critical services—enables you to choose the services that best match your business needs.

For an overview of HP software services, visit www.managementsoftware.hp.com/service.

To access technical interactive support, visit Software Support Online at www.hp.com/managementsoftware/services.

To learn more about HP Software Customer Connection, a one-stop information and learning portal for software products and services, visit www.hp.com/go/swcustomerconnection.

A complete solution

Comprehensive training

HP provides a comprehensive curriculum of HP Software and IT Service Management courses. These offerings provide the training you need to realize the full potential of your HP solutions, increase your network optimization and responsiveness, and achieve better return on your IT investments.

With more than 30 years experience meeting complex education challenges worldwide, HP knows training. This experience, coupled with unique insights into HP Software products, positions HP to deliver the optimum training experience. For more information about these and other educational courses, visit www.hp.com/learn.

The smartest way to invest in IT

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Contact information

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