WebInspect: Automated Dynamic Application Security Testing

Micro Focus® Fortify WebInspect is a dynamic application security testing (DAST) tool that identifies application vulnerabilities in deployed web applications and services.

WebInspect scans modern frameworks and APIs with the most comprehensive and accurate dynamic scanner. The product is easily deployable in enterprise environments, has exhaustive REST APIs to benefit integration and has the flexibility to manage security risks either through intuitive UI or run completely via automation. WebInspect provides the broadest dynamic application security testing (DAST) coverage and detects new types of vulnerabilities that often go undetected by black-box security testing technologies.

Product Highlights

Find More Vulnerabilities
WebInspect is a comprehensive dynamic application scanner that has the ability to crawl modern frameworks and web technology with a comprehensive audit of all vulnerability classes.

- Support for the latest web technologies including HTML5, JSON, AJAX, JavaScript, and more.
- Ability to scan Single Page Applications (SPA)

Key Features

Manage Enterprise Application Security Risk
- Monitor trends and take action on vulnerabilities within an application.

Save Time with Automation and Integrations
- Fully automated solution that helps meet DevOps and scalability needs. Integrates with the SDLC without additional overhead to minimize friction in your software development process.

Compliance Management
- Pre-configured policies and reports for all major compliance regulations related to web application security, including PCI DSS, DISA STIG, NIST 800-53, ISO 27K, OWASP, and HIPPAA.

Optimize Scan Results with Agent Technology
- Get additional visibility and stack trace insight from scanned web applications. Optimize the scanning process based for both speed and accuracy using this technology.

Available On-Premise or as a Service
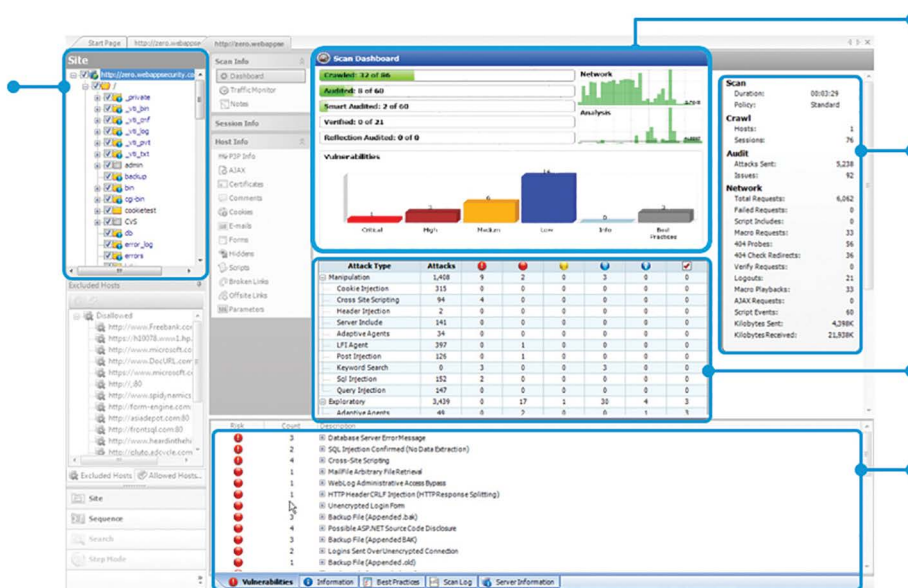- Start quickly and scale as needed on premise or as a service, or as a hybrid.

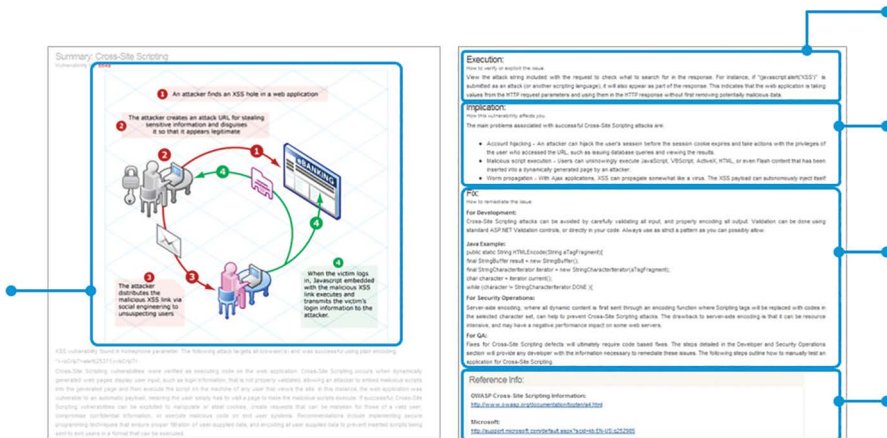**Figure 1.** Live dynamic scan visualization

Figure 2. Comprehensive details to pinpoint and fix the issue

- Test mobile-optimized websites as well as native web service calls.
- Provides more details so dev can fix vulnerabilities faster (line of code detail & return stack trace info back to vulnerability via Fortify WebInspect Agent technology).
- Scan APIs with Simplified API Scanning the OpenAPI (Swagger) API description format. You can use the API Scan option in the Basic Scan Wizard or leverage this feature from the WebInspect API or CLI. Advanced API Scanning is available by directly running functioning Postman collections where unique workflows, complicated authentication, or specific parameter values are required.
- WebInspect provides features like automatic macro generation, macro validation, and fix validation, to enable small teams to detect and remediate vulnerabilities at scale.

Key Benefits

Automation with Integration
WebInspect can be run as a fully-automated solution to meet DevOps and scaling needs, and integrate with the SDLC without adding additional overhead.

- REST APIs help achieve a tighter integration and help automate scans and check whether compliance requirements have been met.
- Leverage prebuilt integrations for Micro Focus Application Lifecycle Management (ALM) and Quality Center, and other security testing and management systems.
- Powerful integrations allow teams to re-use existing scripts and tools. WebInspect can easily integrate with any Selenium script.
- Scan RESTful web services: supports Swagger and OData formats via WISwag command line tool, enabling WebInspect to fit into any DevOps pipeline.

Find Vulnerabilities Faster / Earlier
WebInspect can be tuned by variety of controls to find vulnerabilities fast and tune performance optimized for your application and organizational security exposure.

Enhance scan with agent technology that expands the coverage of the attack surface and detect additional types of vulnerabilities.

- Integrates dynamic and runtime analysis to find more vulnerabilities—and fix

them faster. WebInspect Agent crawls more of an application to expand the coverage of the attack surface (hidden directories & pages, OATH Authentication, Unused Parameters/Backdoor, Privacy violation) and detect new types of vulnerabilities that can go undetected by black-box security testing technologies. IAST follows what is already entered in the application by functional tests.

Incremental Scans target vulnerability detection in newly generated application surface. Flexible access to the feature through REST API, GUI, or command line.

Prioritization with advanced technologies:

- Run custom policies that are tuned towards high speed with policy manager
- Simultaneous crawl and audit
- Deduplication: Reduce # of attacks sent, by avoiding scanning the same class/ function in a different part of the app.
- Check Avoidance: Reduce # of attacks sent by avoiding sending multiple attacks to a specific check type if the agent determines the app can handle the attack. Info is loaded into Fortify Software Security Center (SSC) & used with Fortify Static Code Analyzer (SCA) scan results where issues are correlated.

Enterprise Ready / Integration
WebInspect offers interactive vulnerability review and retest features that helps the security team validate issues and regression test fixes from development. The closed feedback loop from security testing through development improves the overall security effectiveness across the organization.

Manage application security risk across the enterprise with reports for remediation and management oversight. Monitor trends and take action on vulnerabilities within an application. Build an enterprise-wide AppSec

program that manages and provides visibility to your risk profile via dashboards and reports, so you can confirm remediation, track metrics, trends and progress. WebInspect Enterprise establishes a shared service to centralize results while distributing security intelligence.

Site Explorer—Standalone allows developers to get rich remediation information and WebInspect-like views.

About Fortify

Fortify offers the most comprehensive static and dynamic application security testing technologies, along with runtime application monitoring and protections, backed by industry-leading security research. Solutions can be deployed in-house or as a service to build a scalable, nimble Software Security Assurance program that meets the evolving needs of today's IT organization.

About Micro Focus

Micro Focus is a leading provider of security and compliance solutions for the modern enterprise that wants to mitigate risk in their hybrid environment and defend against advanced threats. Based on market-leading products from Micro Focus Data Security, ArcSight, and Fortify, the Micro Focus Security Intelligence Platform uniquely delivers the advanced correlation and analytics, application protection, and data security to protect today's hybrid IT infrastructure from sophisticated cyber threats.

Learn more at
www.microfocus.com/webinspect

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