

Find, Fix and Protect with DevInspect



DevInspect simplifies security for developers by automatically finding and fixing application security defects and enabling developers to build secure Web applications and Web services quickly and easily, without impacting schedules or requiring security expertise.

Developing Secure Applications

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. Organizations now realize that security must be a priority during development.

With an increased focus on application security, security and operations professionals are identifying security vulnerabilities in production Web applications. These vulnerabilities are usually traced to defects in the source code. Once vulnerabilities are discovered and traced to source code, security and operations professionals assign these defects back to development for remediation.

As a result, developers are learning that Web application security vulnerabilities must be treated like any other software defect. Development organizations know they can save time and money by identifying and correcting these security defects early in the development process—long before Web applications are deployed in production environments. However, most developers are not security experts and are looking for tools to help them find and fix security defects.

A Lifecycle Approach

SPI Dynamics delivers 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 ensure that no new vulnerabilities are introduced throughout the life of the

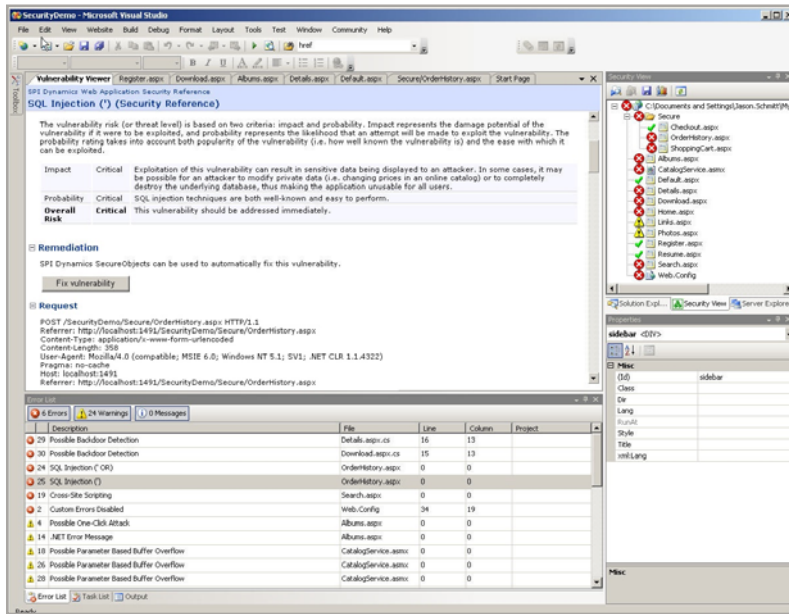
application. These products are designed to foster collaboration among developers, quality assurance and security professionals. Trustworthy software becomes possible only when security becomes a standard requirement in the entire development process.



Start Secure. Stay Secure.™

Security Assurance Throughout the Application Lifecycle

DevInspect - Find and Fix Security Defects



DevInspect finds all application vulnerabilities in Web applications and Web services through a comprehensive security assessment. DevInspect analyzes application security through an innovative hybrid analysis that combines the power of dynamics analysis and static source code analysis.

Find vulnerabilities with unmatched accuracy and precision

DevInspect provides unmatched accuracy and precision by identifying only real security vulnerabilities in your application, rather than pointing out potential problems based on source code and conjecture. DevInspect quickly finds vulnerabilities and shows you precisely where they exist so that remediation is quick and easy. All identified vulnerabilities are automatically prioritized based on a combination of impact and probability to assess risk to your business. DevInspect's SmartUpdate feature automatically updates the product with the latest vulnerability checks from SPI Labs.

Automatically fix vulnerabilities with SecureObjects

DevInspect is the only security product available that automatically fixes security defects. DevInspect's SecureObjects security vulnerability remediation technology enables a developer to write secure code from the beginning and harden their applications against attack. SecureObjects automatically fixes security defects by pinpointing the vulnerable code and applying secure code to reduce the application's attack surface. Developers maintain total control of the fixes through the option to automatically correct their code using the secure coding library or by using the advice and examples to correct it themselves. SecureObjects also locks down Web application configuration settings to prevent attacks after deployment.

Protect deployed applications

SecureObjects continues protecting an application after deployment by detecting and preventing attacks. SecureObjects prevents malicious input from penetrating an application and recognizes attack patterns to actively detect and prevent hack attempts. Security event logging

Find, Fix and Protect

DevInspect accelerates the construction and delivery of secure Web applications and Web services by finding and fixing security vulnerabilities during development and protecting applications after deployment. DevInspect applies the most innovative vulnerability analysis and remediation techniques to pinpoint and correct security defects before they are released into production where they can expose your assets to serious threats.

captures attempted attacks so that security and operations professionals can take action to protect assets. By applying SecureObjects, developers can prevent high risk Web application attacks in production, including SQL Injection, Cross Site Scripting (XSS), Buffer Overflows, Directory Transversal.

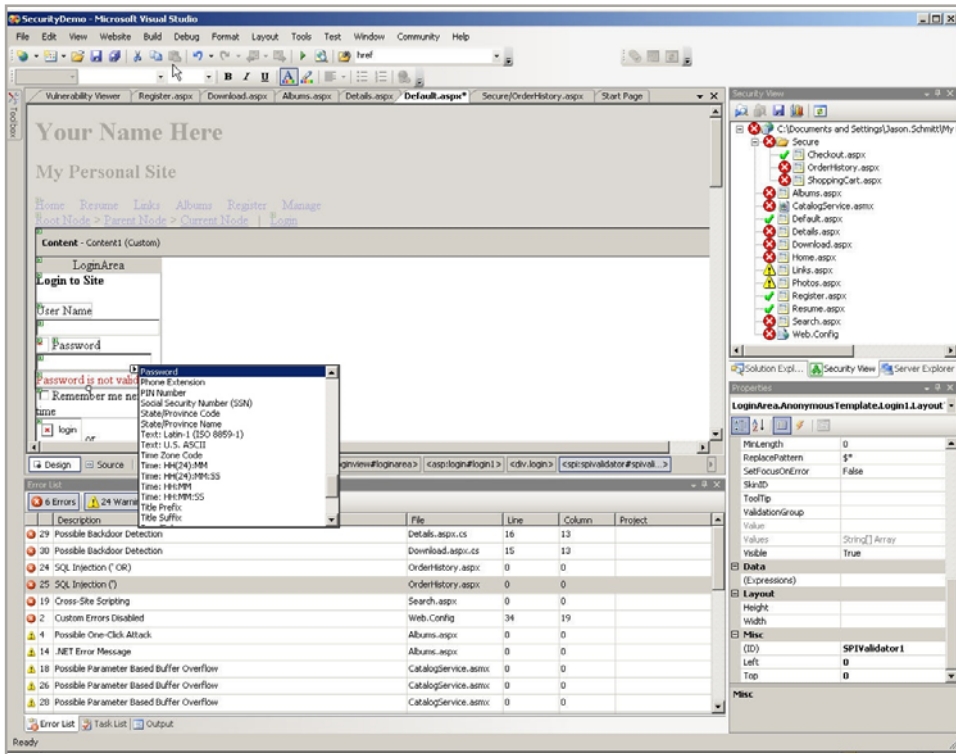
Educate developers by sharing knowledge and data

DevInspect offers pre-packaged Web application security expertise. Developers improve their security expertise while securing their applications with DevInspect through SecureBase, the leading knowledgebase of security vulnerabilities and best practices for fixing them. SPI Dynamics is the recognized leader in Web application security and our security experts at SPI Labs find and capture all known security vulnerabilities. DevInspect is the only developer security product that includes daily vulnerability check and description updates from an expert Web application security team.

Visual Studio Integration

DevInspect features the deepest and most intuitive Visual Studio integration available in the security industry. DevInspect is designed to fit naturally with the way a developer works everyday so that secure development becomes as familiar as coding and unit testing. Developers can secure their application and improve their security expertise during any phase of development without ever leaving the Visual Studio IDE.

DevInspect - Overview



What DevInspect checks for

- Arbitrary Command Execution
- Authentication & Authorization Evasion
- Backdoor inputs and exposure
- Buffer Overflows
- Cross-Site Scripting
- Data Theft
- Directory listing, enumeration
- Extension checking
- Identity Spoofing
- Insecure configuration
- Malicious File Uploading
- One-Click Attacks
- Parameter Manipulation
- Session Hijacking
- SOAP Injection
- SQL Injection
- Unwanted File Disclosure
- XML Injection

DevInspect's SecureObjects vulnerability remediation technology identifies the point of vulnerability and automatically applies targeted fixes directly to the source code. Developers maintain total control over the security fixes through extended properties

Accurate and precise security assessment technology

- Comprehensive security assessment of Web applications and Web services
- Combines dynamic and source code analysis for unmatched results confidence
- Analyzes security of application configuration
- Vulnerability risk ratings based on impact and probability
- Real-time security view of an application
- Daily vulnerability updates through SmartUpdate from expert security researchers at SPI Labs
- Find vulnerabilities exposed through third-party components
- Advanced script parsing and interpreting for JavaScript, VB Script, Flash

Flexible security analysis options

- Analyze entire application or individual pages
- Automated or step-mode scans
- Customizable security policies
- Supports creation of custom vulnerability checks
- Configurable scan options
- Complements Visual Studio code analysis

SecureObjects vulnerability remediation technology

- Pinpoints area of vulnerability in the application
- Automatically fixes vulnerable code
- Identifies and secures all application inputs, hidden and exposed
- Corrects insecure application configuration
- Fixes vulnerabilities exposed through third-party components
- Secure coding library for new development

Application self-defense

- Secure input validation combines white list and black list validation
- Detects and prevents several types of attacks, including SQL injection, cross-site scripting, buffer overflow
- Security event logging informs operations through ASP.NET health monitoring when attacks are detected
- BruteProtector control protects from brute force attacks

Security education for developers

- Detailed vulnerability description and exploit information
- Real-time security view
- Share security data between developers
- In-depth vulnerability reporting

Visual Studio Integration

- Deeply integrated with Visual Studio 2005 and Visual Studio .NET 2003
- Specifically built for securing ASP.NET applications
- Supports C#, Visual Basic, HTML, XML, SOAP, WSDL, JavaScript, VB Script

DevInspect System Requirements

- Windows XP, Windows Server 2003
- 512 MB of RAM
- 150 MB required (2 GB of free disk space preferred)
- 1 GHz processor or better
- Microsoft Visual Studio 2005 Standard or better
- Microsoft .NET Framework 2.0
- Microsoft SQL Server Express

Simplified Security for Developers

Security vulnerabilities are like any other software defect once they leave development. DevInspect helps your organization save time and money by finding vulnerabilities early, fixing them quickly and preventing potential attacks in production.

Why DevInspect?

DevInspect is the only developer security product that offers these innovative capabilities.

- Finds security vulnerabilities through hybrid analysis techniques that combine dynamic, static and configuration analysis approaches for unmatched accuracy and precision.
- Automatically fixes security vulnerabilities in application code and configuration with SecureObjects vulnerability remediation technology.
- Protects applications in production by preventing malicious input, detecting attacks in real time and informing operations teams of attack attempts.
- Daily updates of vulnerability checks and information from expert security researchers.

Key Benefits

- Dramatically reduce organizational risk with the most accurate and precise approach to Web application testing for developers on the market.
- Eliminate the time and expense associated with fixing security defects in applications that are already in production by catching them during development and fixing them quickly and easily.
- Improve communication and security awareness between development and security departments.
- Educate developers about security with minimal investment.

"Security at the application level is one of the greatest technical challenges facing IT organizations. Evolutionary technologies will not be embraced until security problems are solved. Security vulnerabilities must be viewed and treated as defects and applications must be built securely from the beginning. This translates to the need for a comprehensive plan for addressing security throughout the software development life cycle. Having security at the start is crucial. Having the proper processes along with the right technology is critical."

Theresa Lanowitz

Research Director, Gartner, Inc.

About SPI Dynamics

SPI Dynamics' suite of Web application security products help organizations build and maintain secure Web applications, preventing attacks that would otherwise go undetected by today's traditional corporate Internet security measures. The company's products enable all phases of the software development lifecycle to collaborate in order to build, test and deploy secure Web applications. SPI Dynamics' internal research and development group, SPI Labs, is widely recognized as one of the leading authorities in Web application security. Founded in 2000 by security specialists, SPI Dynamics is privately held with headquarters in Atlanta, Georgia. For more information, visit www.spidynamics.com or call (678) 781-4800.

