Rational® software

IBM Rational AppScan OnDemand

Highlights

- ■ *Enables you to manage Web application security without the need for infrastructure investments*

- ■ *Provides a security-rich outsourced Web application testing solution with a cost-effective startup cost, rapid time to value and low TCO*

- ■ *Leverages the Rational AppScan Enterprise Edition scanning engine to test for a wide range of Web application vulnerabilities*

- ■ *Includes more than 40 predefined reports*

- ■ *Maps scan results to key industry and regulatory compliance standards*

- ■ *Enables you to take advantage of the knowledge and experience of IBM's security and compliance product experts for a set number of hours per month*

Detect Web application vulnerabilities to help protect sensitive business data

Today, many organizations depend on Web-based software and systems to run their business processes, conduct transactions with suppliers and deliver ever-more sophisticated services to customers. Unfortunately, in the race to stay ahead of the competition, many companies neglect to ensure that these applications are protected. Web-based systems can compromise the overall security of an organization by introducing vulnerabilities that hackers can use to gain access to confidential company information or customer data.

It's hard to know where to start with Web application security, particularly if you have resource constraints. Perhaps your security staff is already stretched too thin or perhaps your staff lacks security expertise. Or maybe you're not ready to invest in the software licenses that would be required to support an in-house Web application security solution. Especially when you consider that the cost of software licenses is only the tip of the iceberg—an in-house solution also requires hardware and other infrastructure, analysts and support staff, maintenance, and upgrades.

The IBM Rational® AppScan® OnDemand offering is a software-as-a-service (SaaS) solution that provides actionable results fast, making it a great way to get started with Web application security—without the need for infrastructure investments. The service consists of IBM Rational AppScan Enterprise Edition software, hosted in a security-rich environment and run on your behalf by an experienced team of security and compliance experts from IBM. The service also gives you access to the IBM team for a set number of hours each month, so you can benefit from its expertise on industry best practices, get help interpreting scan results and learning valuable remediation tips.

Rational AppScan OnDemand provides monthly application security scanning, data consolidation and reporting, remediation guidance, executive dashboards, and compliance reporting for preproduction Web applications in the quality assurance (QA) and security test phases. The offering provides a security-rich outsourced Web application security testing solution with cost-effective startup expenses, rapid time to value and low total cost of ownership (TCO). It can be an ideal solution for companies that have a compelling deadline to meet—such as a Payment

Card Industry Data Security Standard (PCI DSS) deadline—and for companies that require third-party validation. It's a strategic option for companies that wish to scan multiple Web applications and come up with enterprise-wide reports.

Achieve a thorough assessment of a single preproduction application
For companies requiring a thorough assessment of a single preproduction application, IBM offers Rational AppScan OnDemand Premium Edition. The service uses the Rational AppScan Standard Edition scanning engine in combination with extensive manual analysis and testing. You receive detailed reports and a walk-through session with IBM security professionals to discuss the findings of the reports and go over remediation options. After a period of remediation activity, a follow-up scan is run to confirm that the vulnerabilities have been fixed. Rational AppScan OnDemand Premium Edition can be an ideal solution for companies that need to assess one or more mission-critical applications on a one-time basis. It can also be an excellent solution for companies that need to scan a Web application by a certain deadline, such as a go-live date, or companies that need to scan an application that requires third-party validation. It's available as a one-time service or on a quarterly basis.

Leverage marketplace-leading Rational AppScan Enterprise Edition software
The Rational AppScan OnDemand service uses the Rational AppScan Enterprise Edition scanning engine to test for a wide range of Web application vulnerabilities, including those identified by the Web Application Security Consortium (WASC) threat classification. The service provides robust application scanning coverage for the latest Web 2.0 technologies, Adobe® Flash and advanced JavaScript languages, including asynchronous JavaScript and XML (AJAX) programming building blocks, JavaScript Object Notation (JSON) and Web services parameters.

The patented Rational AppScan Enterprise Edition scanning engine provides high levels of scan accuracy while minimizing false positives. To further improve accuracy and performance, it includes an adaptive test process that intelligently mimics human logic to adapt the testing phase to individual applications. Rational AppScan Enterprise Edition learns the application, down to the level of each specific parameter, and adjusts to perform only the tests that are relevant. To help ensure protection from the latest threats, Rational AppScan OnDemand uploads attack signature updates from the IBM team of security research experts each time you use it.

Gain insight into security and compliance issues through integrated reporting

With Rational AppScan OnDemand, you can produce custom security reports and select which data points to include in each. You can tailor these reports for their intended audience— whether it's developers, managers or your CEO—so everyone can stay on top of relevant Web application security issues. You can also choose from more than 40 predefined reports and map scan results to key industry and regulatory compliance standards. These include National Institute of Standards and Technology Special Publication (NIST SP) 800-53 and the Open Web Application Security Project (OWASP) top 10, PCI DSS, Sarbanes-Oxley, Gramm-Leach-Bliley Act (GLBA), Health Insurance Portability and Accountability Act (HIPAA), Family Educational Rights and Privacy Act (FERPA), Freedom of Information and Protection of Privacy Act (FIPPA), and Payment Application Best Practices (PABP). By accessing reports from Rational AppScan OnDemand each month, you can stay on top of your company's compliance requirements much more easily.

Enjoy peace of mind from a security-rich environment

Rational AppScan OnDemand is installed in a scalable, private hosting environment with advanced data center security services to help ensure the integrity of your data. Managed by experienced engineers and security specialists who are dedicated to data and systems protection, the hosting environment has achieved the Statement on Auditing Standards (SAS) No. 70 Type II certification. IBM continually evaluates emerging security developments and threats, and then deploys proven, up-to-date security technologies to help ensure that your sensitive information is protected.

Streamline remediation with prioritized results and fix recommendations

One of the most critical aspects of effective Web vulnerability scanning is the quick remediation of issues. Rational AppScan OnDemand provides a prioritized list of the vulnerabilities found with each scan, enabling you to tackle high-priority problems first and focus on what matters the most from a security perspective. Each vulnerability result includes a full description of how the vulnerability works and its potential causes. And IBM can help you retest your vulnerabilities and track the progress of your remediation efforts.

Learn from experienced security experts

By choosing the Rational AppScan OnDemand offering, you have regular access to the product's solution managers, a team of security and compliance product experts, so you can take advantage of their knowledge and experience. Many of the solution managers have more than five years of experience with Rational AppScan Enterprise Edition, so they can help you get the most from the solution— right away, without any ramp-up time. Solution managers work with you to define your scan requirements; configure, customize and generate reports; validate and interpret results; and troubleshoot and fix issues. Working with these experts, your employees can build up their knowledge of Web application security and of Rational AppScan Enterprise Edition software, so you can transition to the licensed offering in the future if that works best for your company.

Realize bottom-line savings and cost avoidance

By choosing a SaaS solution, you can realize a rapid return on investment. Rational AppScan OnDemand enables your development teams to catch and correct vulnerabilities before they're put into production— which can reduce your development costs and help your company avoid the debilitating expenses of a serious

security breach. Catching vulnerabilities early also helps you to optimize the efficiency of the software development lifecycle, so you can speed products to market. Other benefits to your bottom line include:

- *Cost-effective startup expenses, since there are no initial hardware, setup or training costs.*
- *Lower ongoing TCO, since there are no infrastructure maintenance and administration costs, or software licensing expenses.*
- *Faster time to value, because you can immediately identify areas of online risk and get instant access to industry best practices.*

Part of a comprehensive line of security offerings from IBM
IBM has a comprehensive line of Web application security offerings that enable you to integrate security testing throughout the software development lifecycle.

- *Rational AppScan OnDemand Production Site Monitoring is a SaaS offering that monitors production applications for vulnerabilities that may be introduced after your application goes live.*

- *Rational AppScan Developer Edition enables developers to invoke Web application security testing within their development environment, so applications can be more security rich from the ground up.*
- *Rational AppScan Build Edition automates security testing, delivers comprehensive defect analysis, and provides environment-specific recommendations for remediating security flaws.*
- *Rational AppScan Tester Edition helps QA teams find and remediate security vulnerabilities earlier in the development process, reducing costs and corporate risk.*

For more information
To learn more about the IBM Rational AppScan OnDemand offering, contact your IBM representative or IBM Business Partner, or visit:

ibm.com/software/awdtools/ appscan/ondemand