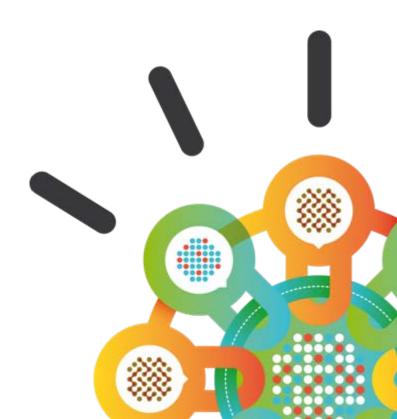


Security Intelligence.

Think Integrated.

Application Security from IBMKarl Snider, Market Segment Manager March 2012





Helping Solve Customer Challenges *Application Security*



Finding Application Vulnerabilities

"GlassBox scanning allowed us to improve results accuracy as well as test for new class of vulnerabilities undetected by conventional web application security scanning technologies"

Boris Gorin, Amdocs



Reducing the Cost of Being Secure

"AppScan not only helps us to avoid costs related to hacking attacks, but also reduces the manual effort needed for analysis and the costs for testing"

Michael Neumaier, Senior Quality Specialist, SAP AG



Providing Oversight and Governance

"We were able to increase the participation of the IT community in web application scanning"

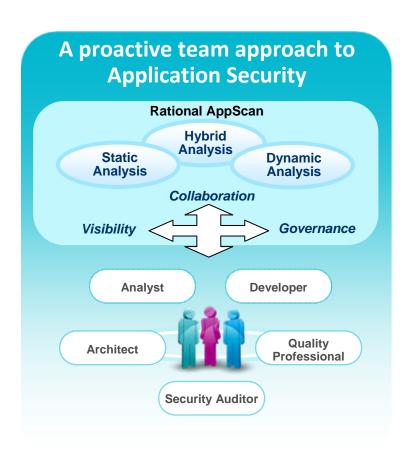
Alex Jalso, Assistant Director, Office of Information Security, WVU





Organizations need to take a *proactive approach* to Application Security

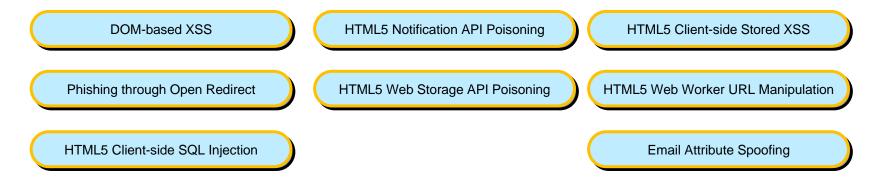
- Embed security testing early in the development lifecycle to support agile delivery demands
- Bridge the gap between "Security" and "Development" through joint collaboration and visibility, enabling regulatory compliance
- Integrate security testing into the development lifecycle, through interfaces to development tools

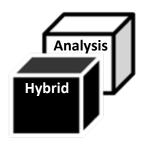




One specific AppScan feature: Javascript Analyzer

In AppScan Standard 8.0, we shipped JSA – a unique hybrid scan engine to auto-detect client-side issues such as:







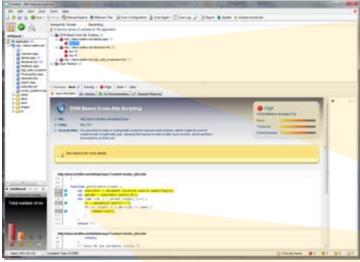


HTML5



Viewing JSA Results in AppScan

AppScan Standard – Scan Results



Vulnerable URL and line of code



Tainted data flow information

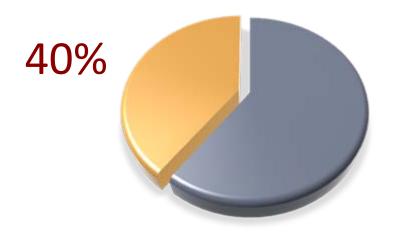
```
testfire.net/default.aspx?content-inside_jobs.htm
         function getParameter(name) (
             var searchStr - document.location.search.substring(1);
             var params - searchStr.split('&');
             for (war i=0; i < parans,length; i++) (
                 mr = perams[i].split('-');
E 111
                 if (nv.length == 2 && nv(0) == name) (
THE D
                     return mv[1];
118
 http://demo.testfire.net/default.aspx?content-inside_jobs.htm
30
             /* check if job parameter exists */
1236 D
             var job = getParameter("job");
             if (500 && 500.length > 0) (
                 var sp + job.split("1");
                 if (sp.length == 2 && jobs[sp[1]] && jobs[sp[1]] != "") (
                     /* check if job exists */
                     if (jobs[sp[1]][sp[0]] && jobs[sp[1]][sp[0]) !+ "") (
                         document.location.href = "default.aspx?content="=jobs[sp[1]][sp[0]];
                         /* tell the user the job isn't open anymore */
```



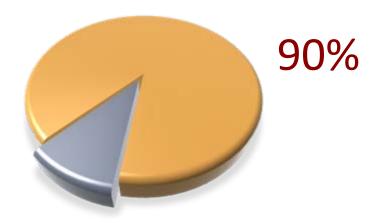
JSA Analysis Algorithms Enhanced

- Our original JSA research whitepaper, showed that out of the Fortune500 + 178 most popular internet sites, 14.5% were found to be riddled with client-side JavaScript vulnerabilities
- We spent some time improving our analysis algorithms....

Apps vulnerable To Client-side JavaScript vulnerabilities



Applications with issues in 3rd Party JavaScript code







Why IBM Security: Breadth, deep expertise, integration

Leadership

- "After doing our research, we determined that IBM was a leader in the field of dynamic application scanning."
 Alex Jalso, Assistant Director, Office of Information Security, WVU
- Identified as a Leader in Gartner SAST Magic Quadrant, December 2010
- Identified as a Leader in Gartner DAST Magic Quadrant, December 2011
- Pioneer of new hybrid analysis techniques, including Correlation, JavaScript Analyzer and GlassBox
- Pioneer of developer-friendly solutions

Integration

- Integration with IBM AppScan and SiteProtector to enhance web application security through IPS policy modification from application vulnerability data
- Integrates with IBM Rational development lifecycle solutions to enable collaboration between security and development teams

Expertise

"We turned to IBM because they offered both the technology leadership and the deep security expertise..."

Marek Hlávka, Chief Security Officer, Skoda Auto

Think Integrated.



ibm.com/security



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