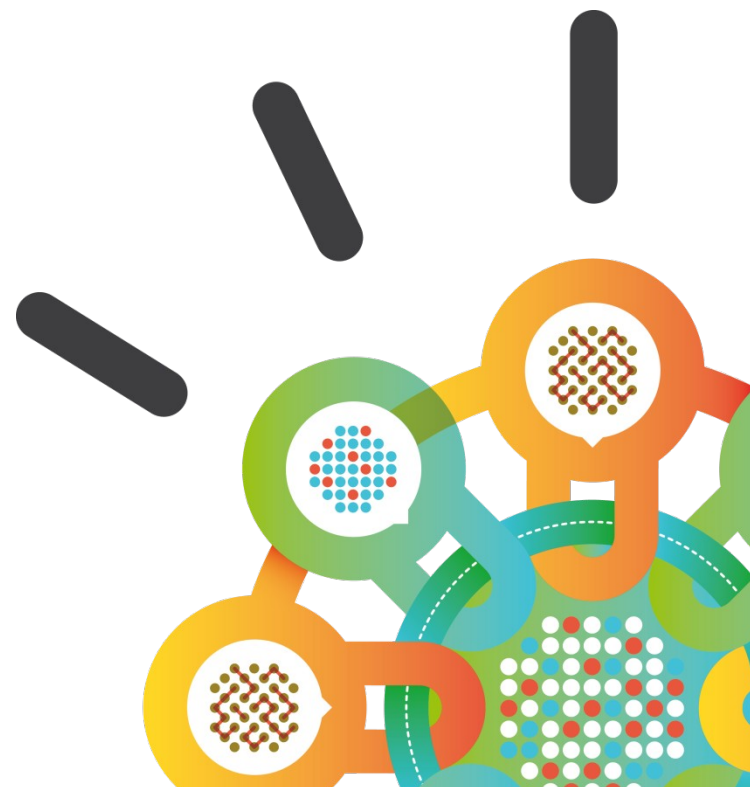




IBM Security AppScan 8.6

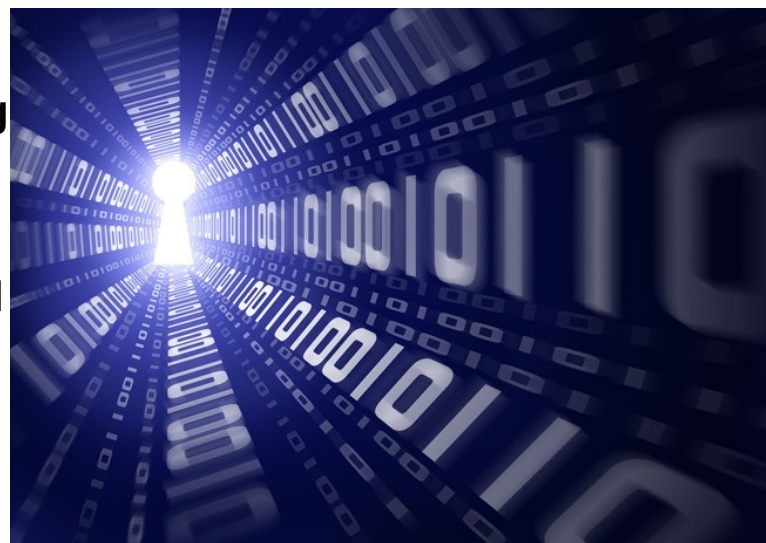
Application Security throughout the lifecycle

Tibor Bősze - tibor.boesze@hu.ibm.com
IBM Security Architect for CEE+RCIS
2012-06-12



Breaking news!

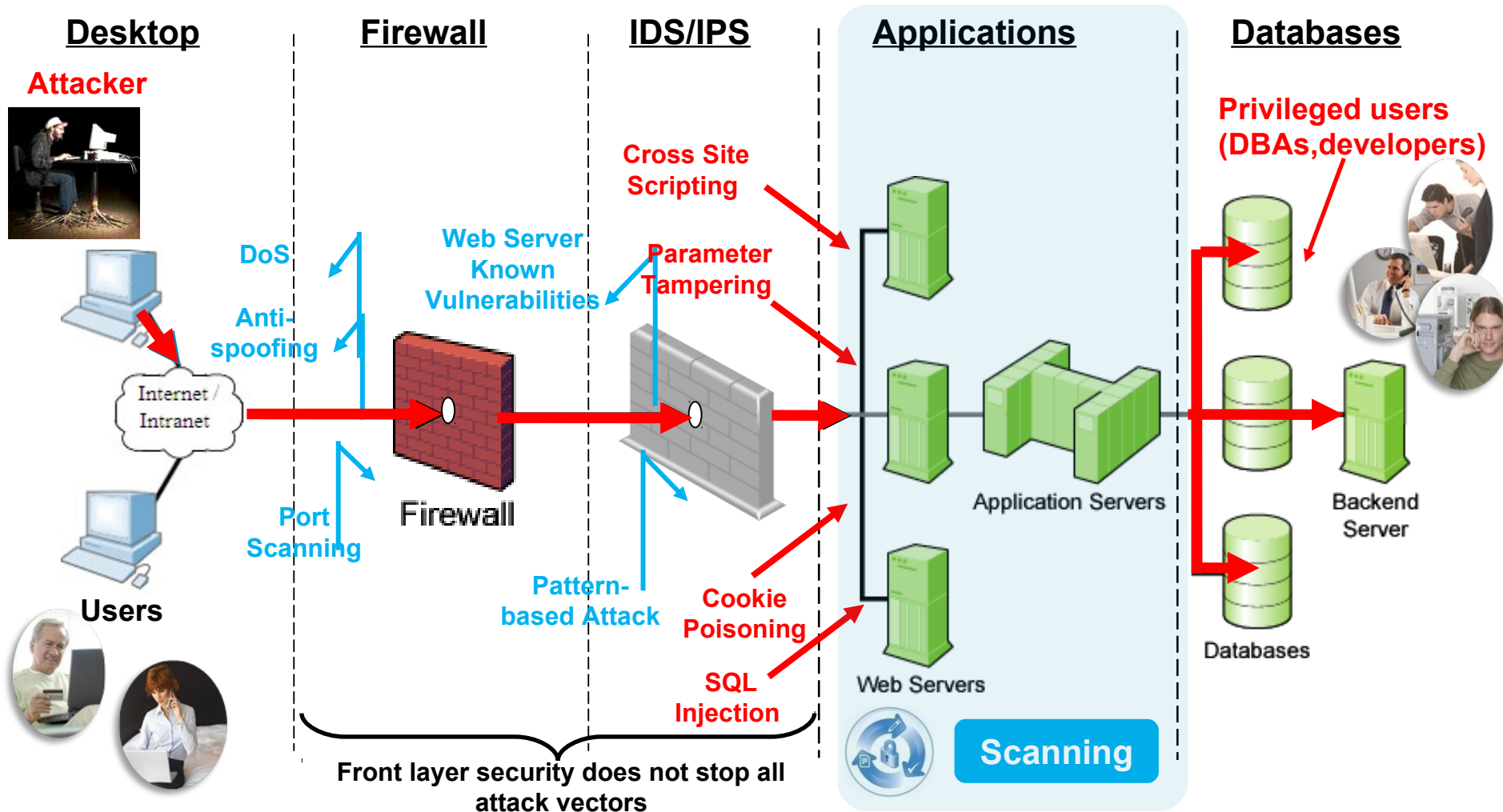
- **IBM Security AppScan 8.6 available from **TODAY** (2012-06-12)**
 - GA for electronic delivery: 12 June 2012
 - GA for media delivery: 15 June 2012
- **Key Deliverables:**
 - Nextgen Dynamic Application Security Testing
 - Autolearning JavaScript and XSS analyzers
 - Testing mobile targeted webapps
 - Static Application Security Testing for android
 - Application Discovery Assistant
 - Extended support for JSF and Struts2
 - QRadar integration



Agenda

- **Why Application Security is important ?**
- **What is AppScan?**
 - How AppScan works?
 - Dynamic Application Security Testing (DAST)
 - Static Application Security Testing (SAST)
- **AppScan 8.6 Portfolio**
- **What's new in AppScan 8.6**
 - **AppScan Enterprise** *(Formally known as IBM Rational AppScan Enterprise)*
 - **AppScan Source** *(Formally known as IBM Rational AppScan Source)*
- **Where can I get help?**

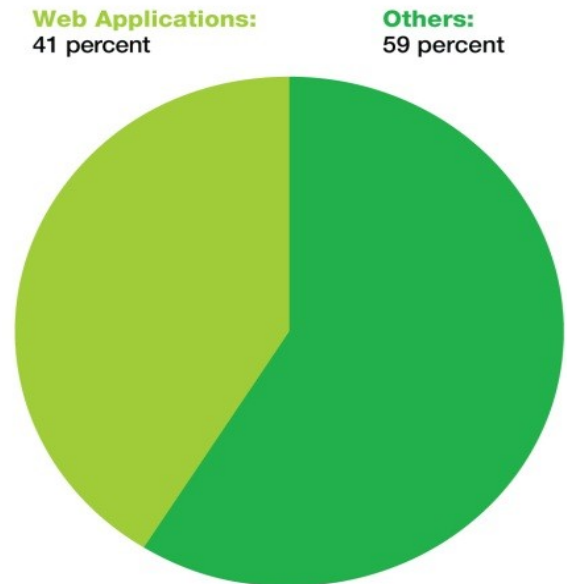
Why Applications Security should be part of a holistic security program



Manage Risks and Compliance/Governance

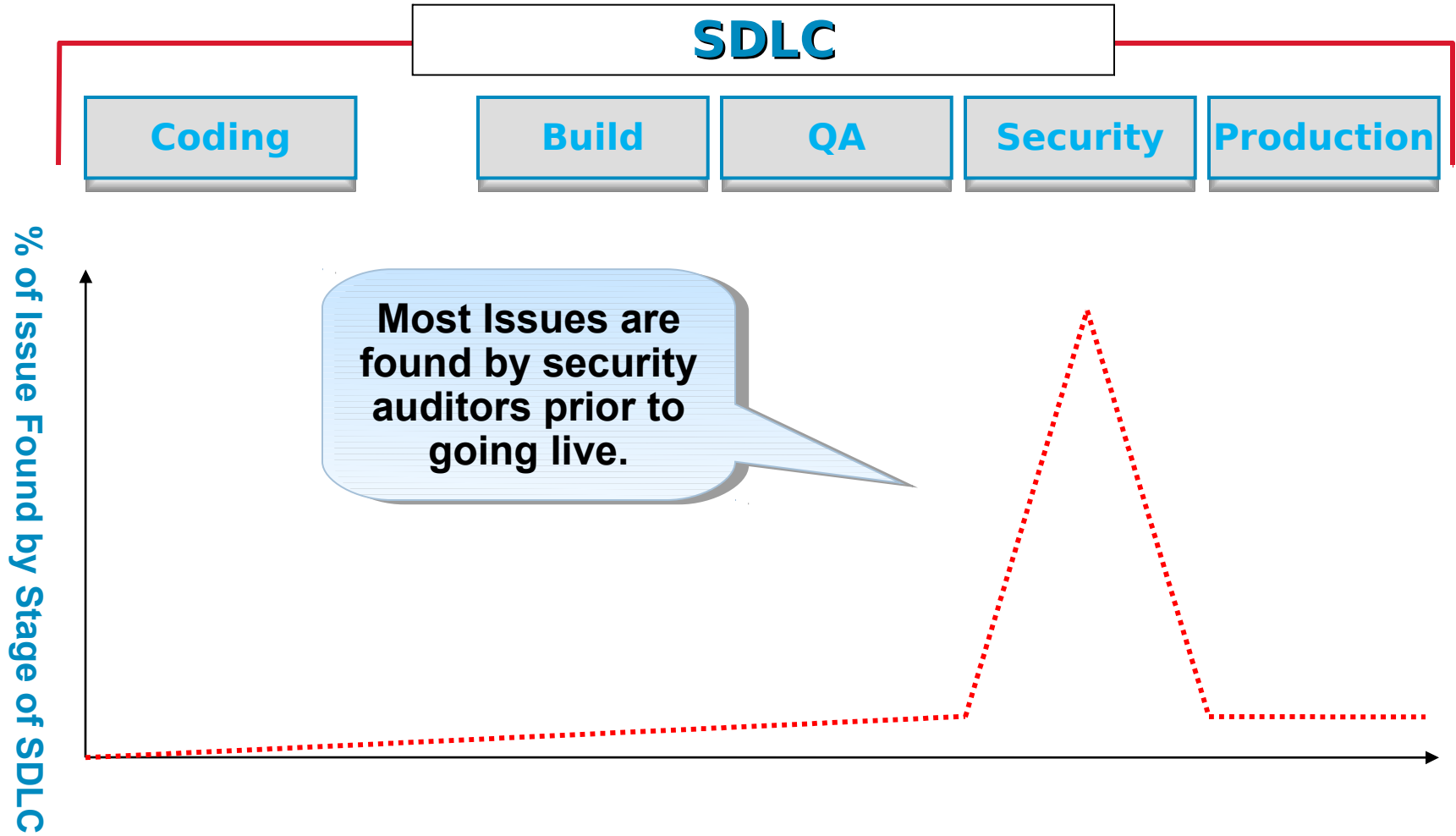
- ❖ **55%** of respondents cited mobile security as a primary technology concern over the next two years. (IBM Center for Applied Insights)
- ❖ **76%** of CEOs (Ponemo 2010) feel reducing security flaws within business-critical applications is the most important aspect of their data protection programs.
- ❖ **41%** of all vulnerabilities are Web application vulnerabilities. (X-Force 2011)
- ❖ Cross-Site Scripting & SQL injection vulnerabilities dominate OWASP Top 10.
- ❖ **89%** of records breached from hacks were related to SQL Injection flaws
- ❖ **79%** of breached organizations subject to PCI were found to be non-compliant (Verizon)
- ❖ **79%** of compromised records used Web Apps as the attack pathway Verizon

Web Application Vulnerabilities
as a Percentage of All Disclosures in 2011

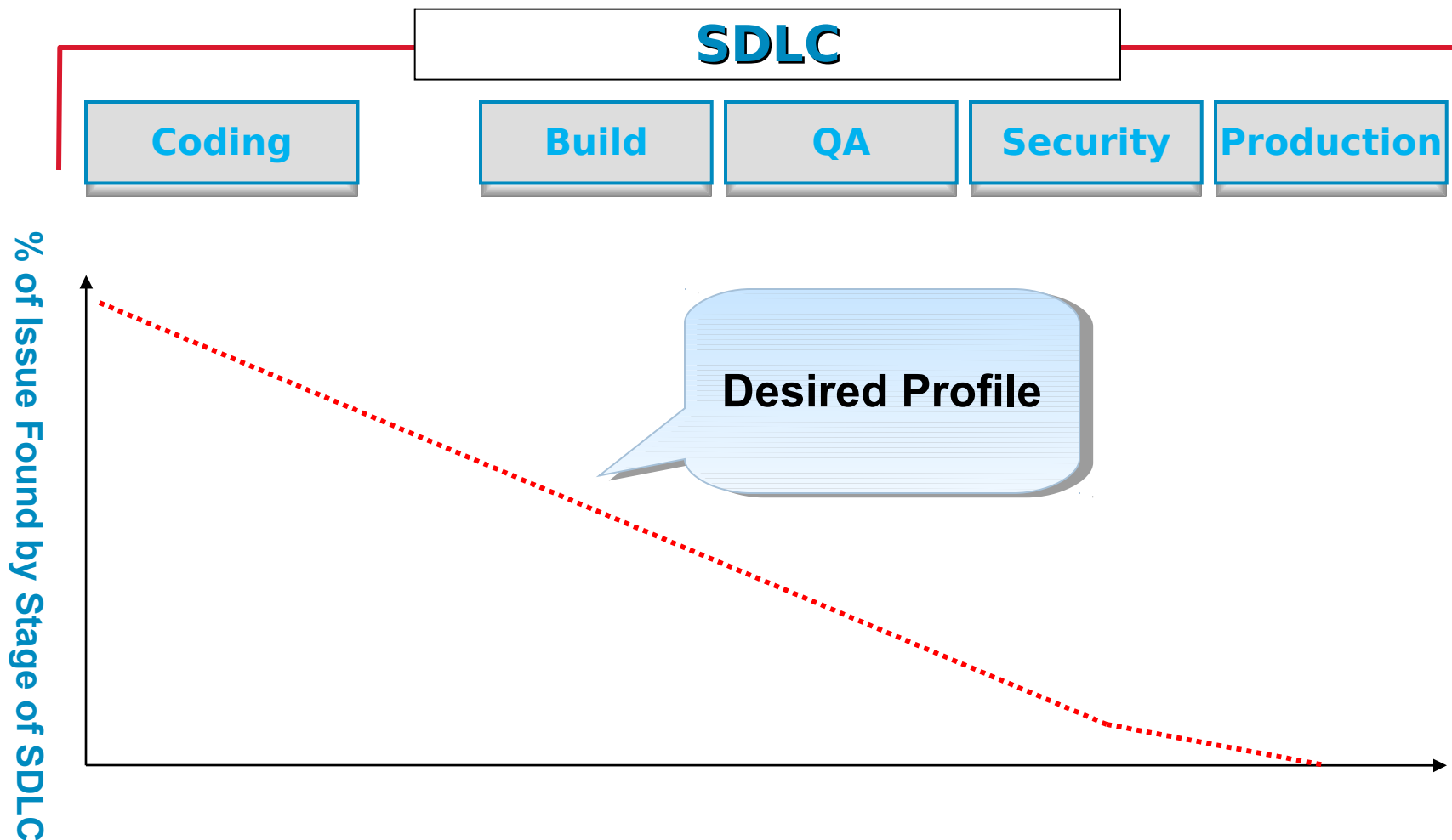


Source: IBM X-Force® Research and Development

Security Testing Within the Software Lifecycle



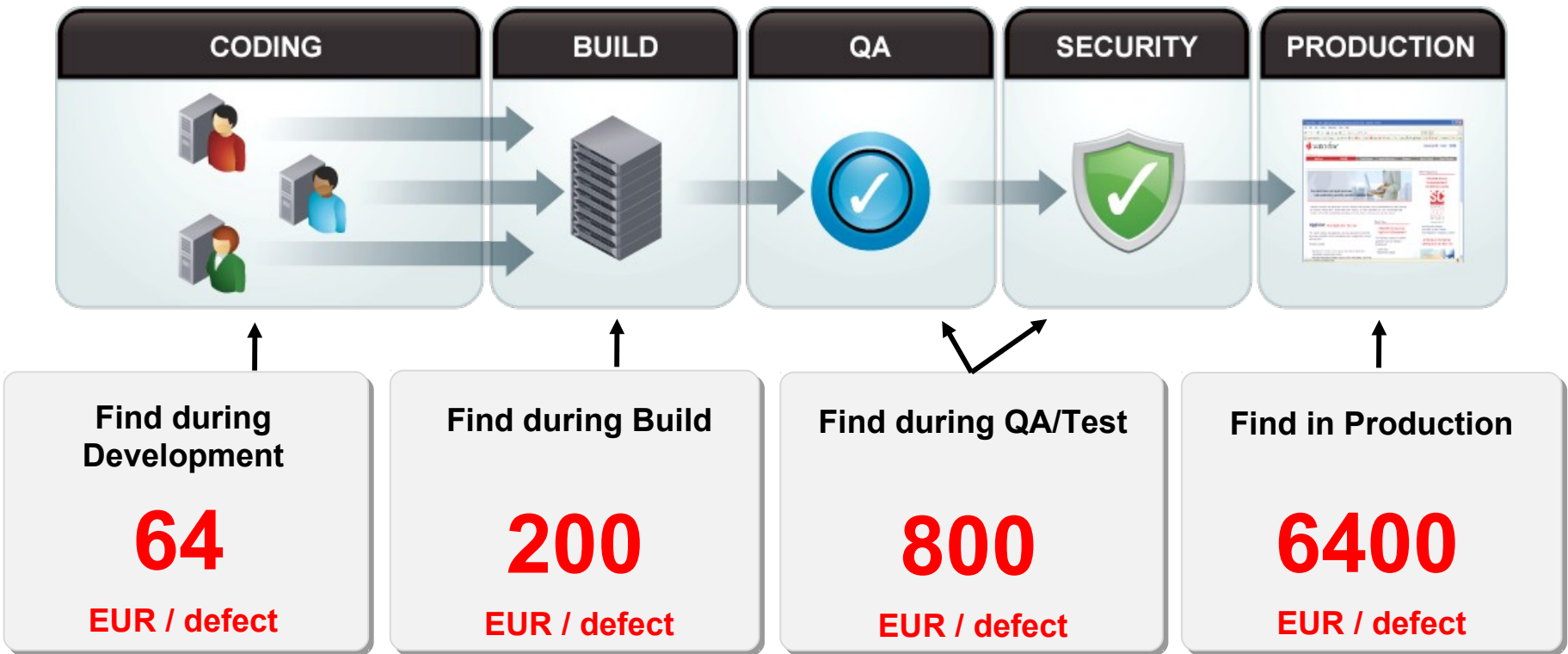
Security Testing Within the Software Lifecycle



Reducing Costs Through a Secure by Design Approach

*80% of development costs are spent identifying and correcting defects!****

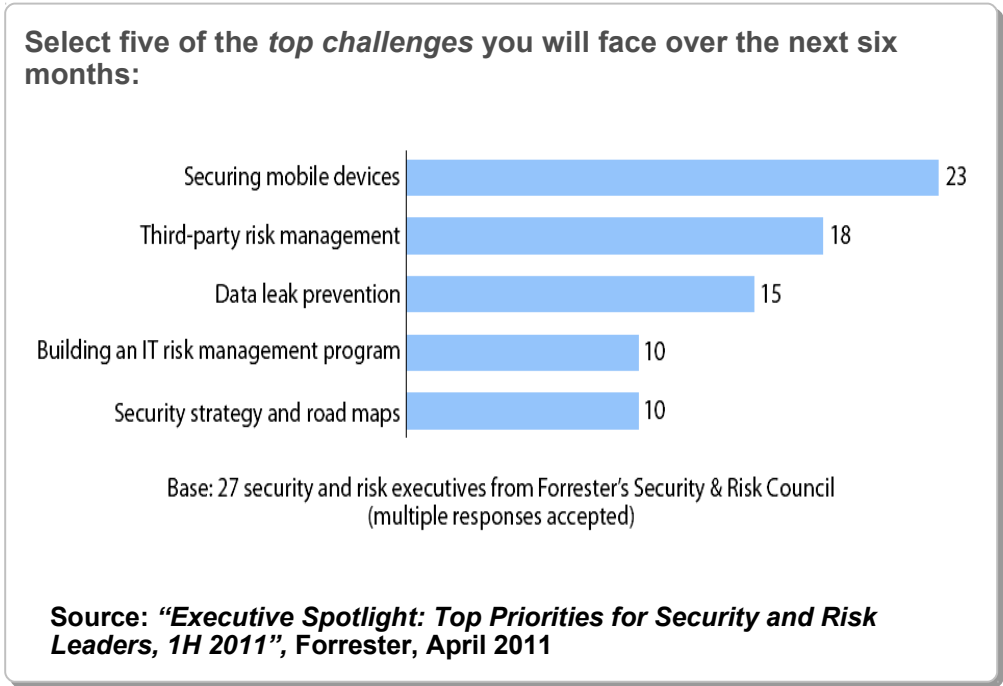
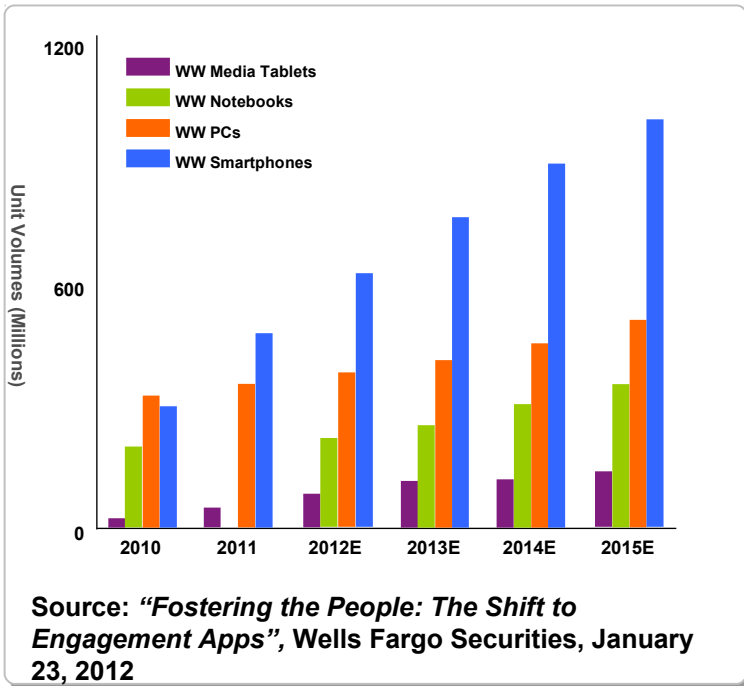
*Average Cost of a Data Breach **6M EUR**** from law suits, loss of customer trust, damage to brand*



*** Source: National Institute of Standards and Technology

** Source: Ponemon Institute 2009-10

Mobile Security: Organizations are rapidly embracing mobile devices and applications, leading to new security challenges



Mobile application security is top of mind for customers

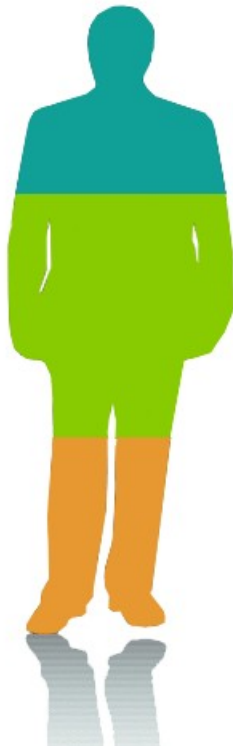
Mobile Security: a key driver going forward

Finding a strategic voice

Security leaders see significant change ahead



And their roles are evolving with growing **authority, accountability and impact** across the enterprise.



Influencers

Confident and prepared, influence the business strategically

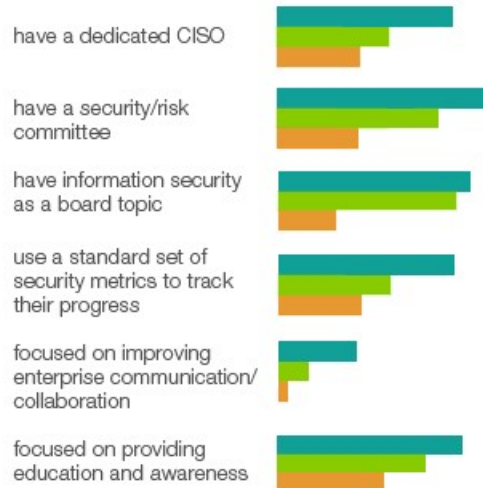
Protectors

Less confident, prioritize security strategically but lack necessary structural elements

Responders

Least confident, focus largely on protection and compliance

How they differ



Agenda

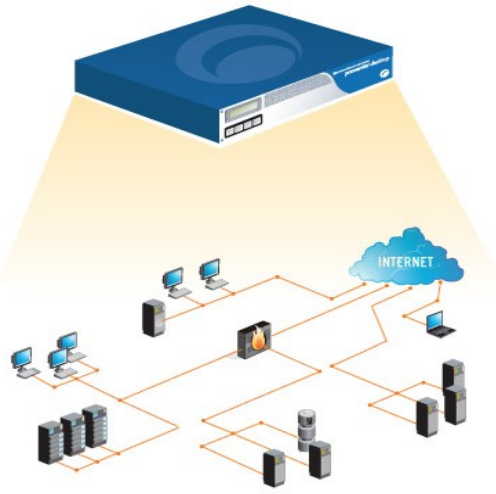
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How does AppScan work?

Automates Application Security Testing Same process for whitebox & blackbox

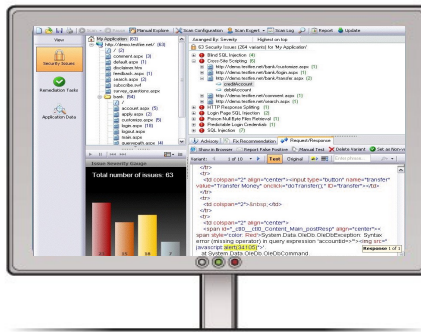
1

Scan applications



2

**Analyze
(identify issues)**

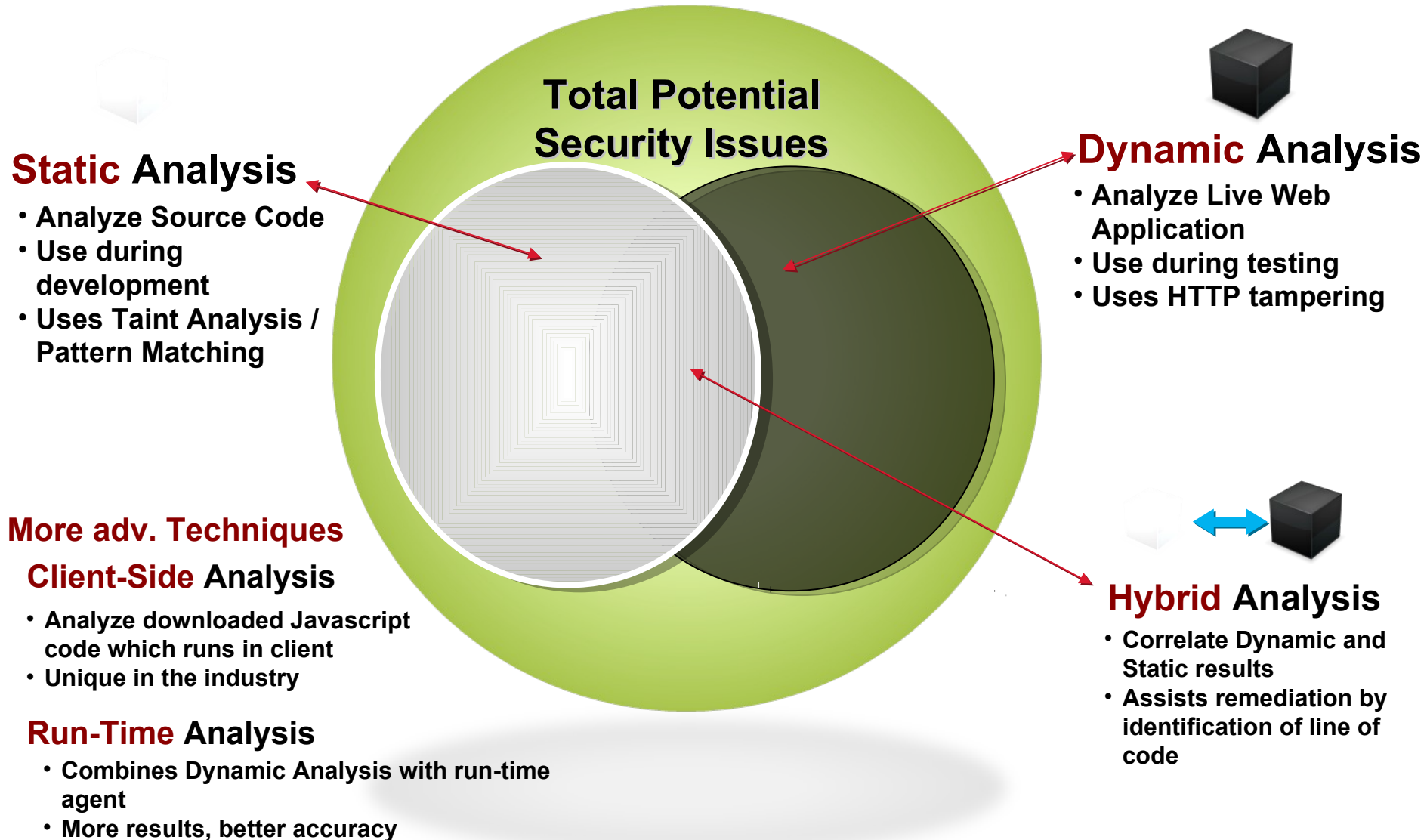


3

**Report
(detailed & actionable)**



Find more vulnerabilities using the most advanced techniques



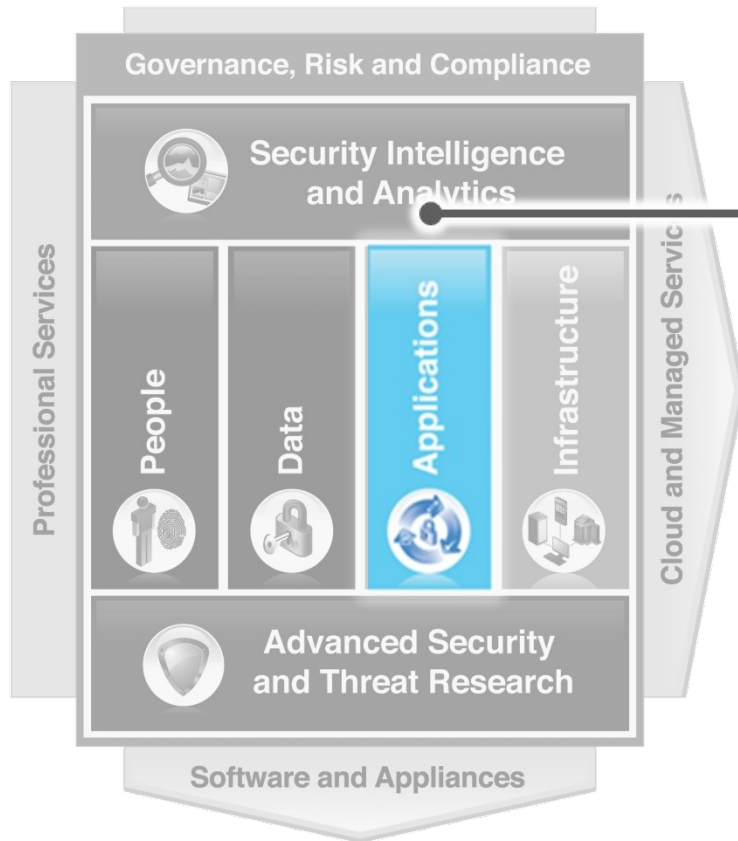
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Portfolio Overview

Area of Focus

Reducing the costs of developing secure applications and assuring the privacy and integrity of trusted information



Portfolio Overview

AppScan Enterprise

- Enterprise-class solution for implementing and managing an application security program, includes high-level dashboards, test policies, scan templates and issue management capabilities
- Multi-user solution providing simultaneous security scanning and centralized reporting

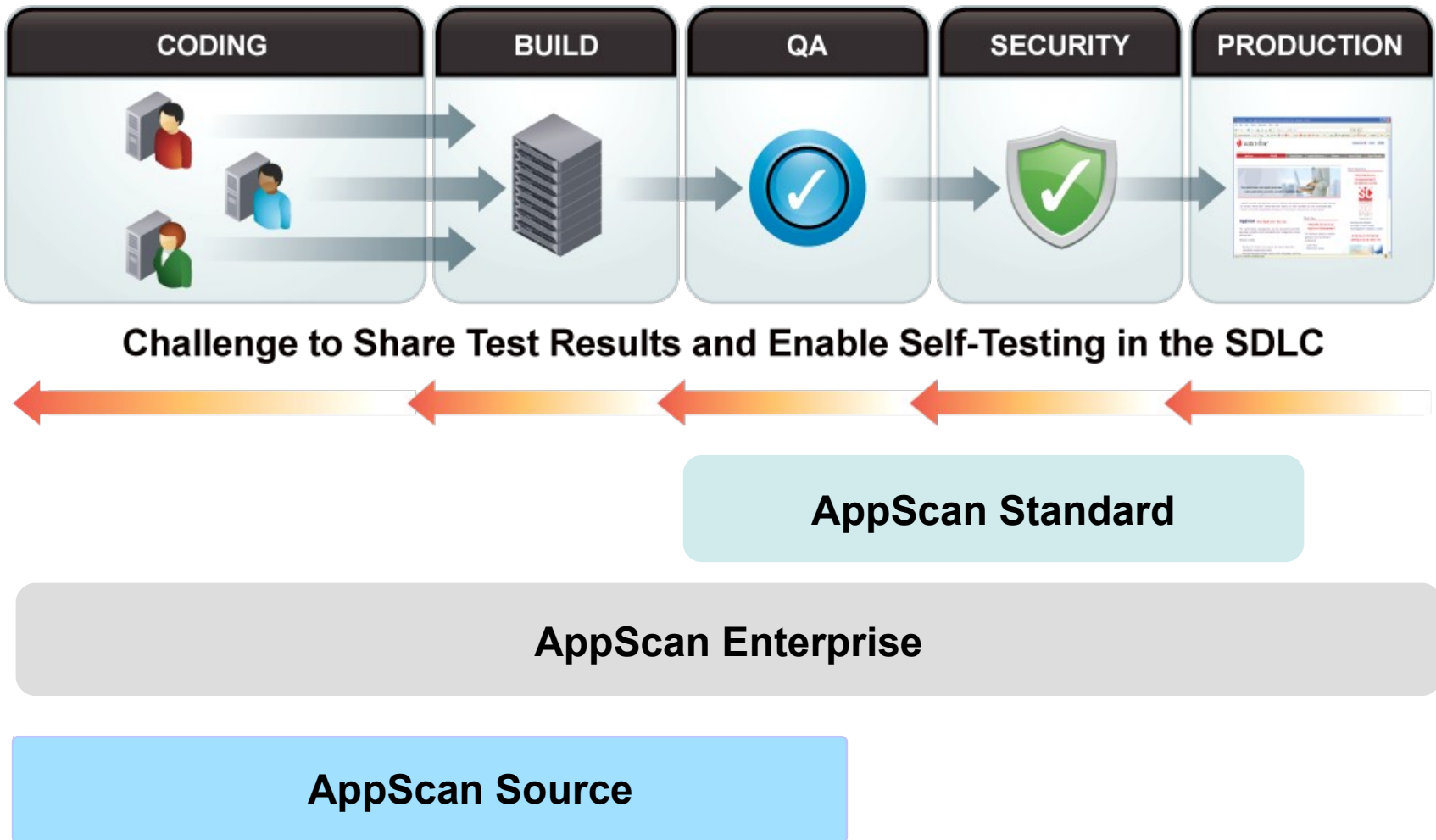
AppScan Standard

- Desktop solution to Dynamic Application Security testing for IT Security, auditors, and penetration testers

AppScan Source

- Static application security testing to identify vulnerabilities at the line of code. Enables early detection within the development life cycle.

AppScan: advanced security testing collaboration & governance through application lifecycle





Announcing AppScan 8.6 – Continuing IBM’s history of innovation in application security

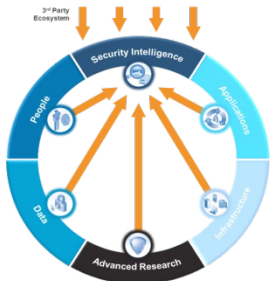


1

Extend your application security program to cover mobile applications

- New Static analysis of mobile applications
- Enhanced Dynamic analysis of server components

Integrated Intelligence.



2

Expand your security intelligence with application vulnerability data

- With over 40% of known vulnerabilities in Applications, QRadar can now raise threat levels of incidents based on application vulnerabilities discovered by AppScan



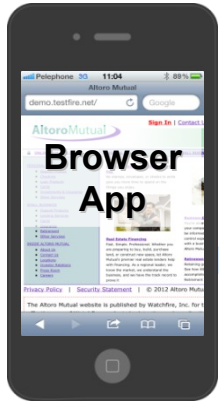
3

Find more vulnerabilities easily and faster

- XSS analyzer reduces millions of tests to less than 20 by intelligent learning
- Static analysis speeds setup and facilitates a phased approach to test coverage



1 Extend: AppScan provides a new level of support for mobile application analysis



Mobile Web Apps

JavaScript / HTML5 hybrid analysis ✓ *IBM Innovation*

Server Side Logic

SAST (source code) ✓ *Foundational*

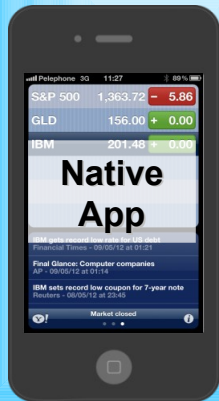
DAST (web interfaces) ✓ *Enhanced*



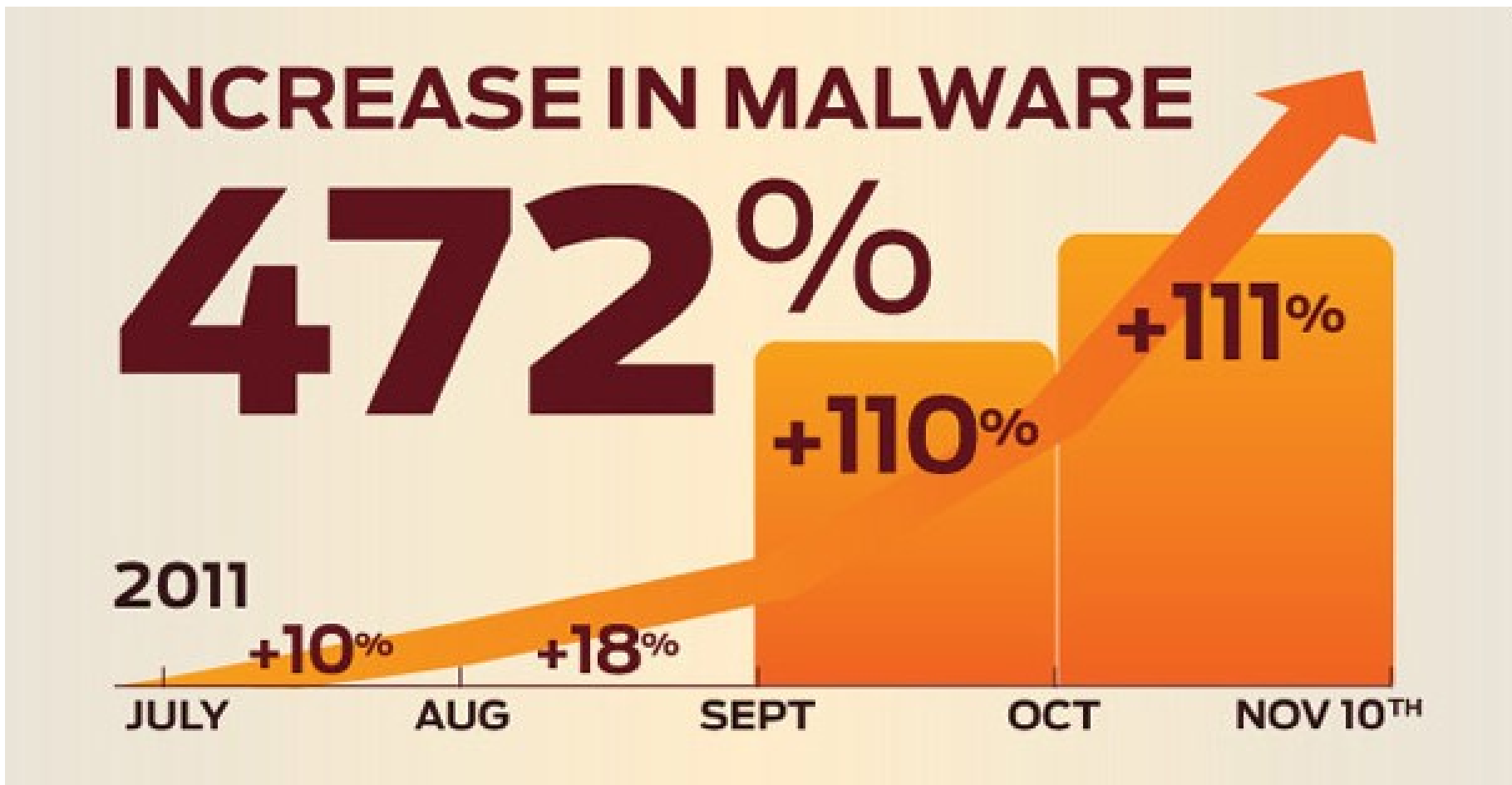
New in AppScan 8.6

Native Apps

Android applications ✓ *Static Analysis*



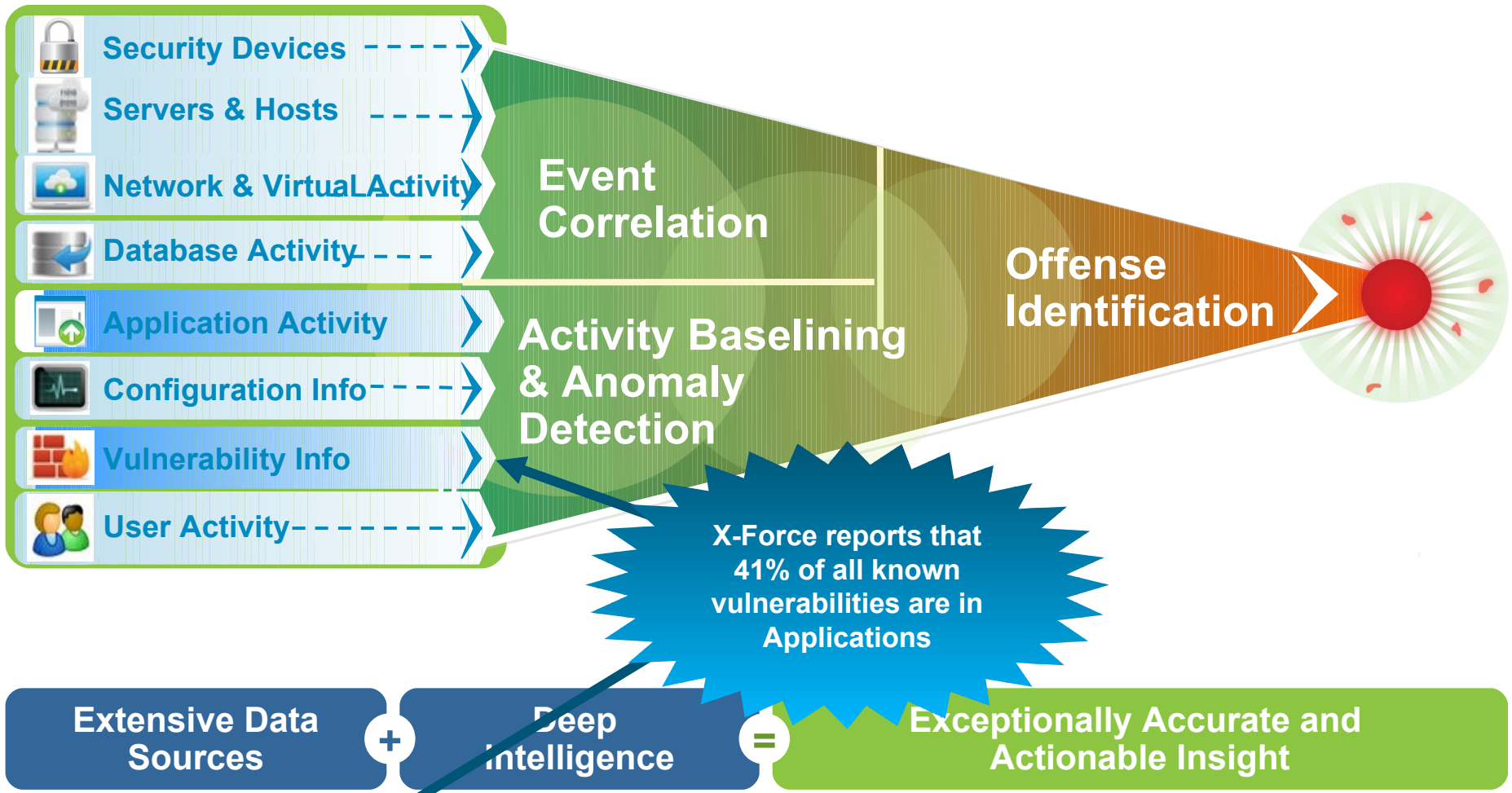
Why Android first?



Source: Juniper Mobile Threat Report, 2/12

Android users take note: Researchers have found a whopping 472 percent increase in Android malware samples

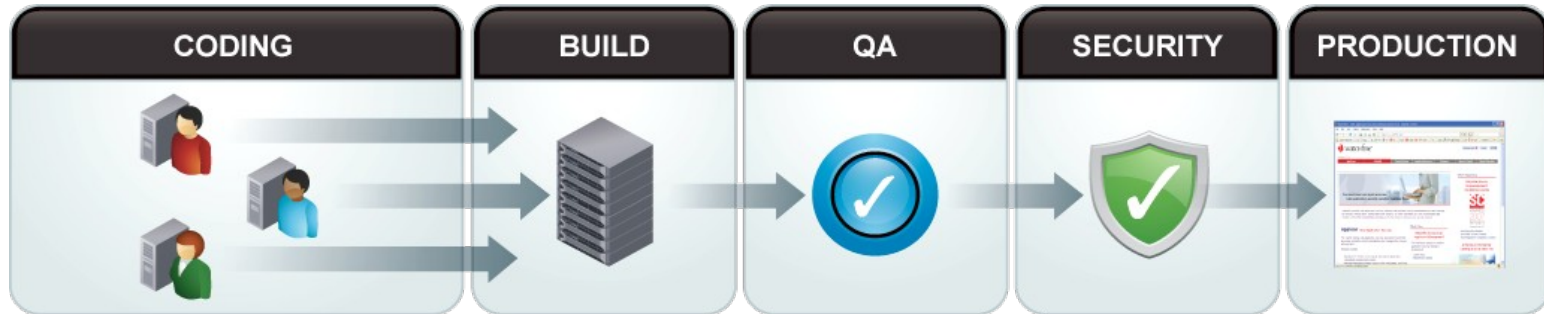
2 Expand: AppScan integrates with QRadar to add application vulnerability data to your security intelligence



AppScan Dynamic & Static analysis
Vulnerability data



3 Find: Help find more vulnerabilities more easily in less time



Proactively address vulnerabilities early in the development process

Help improve time to value with *out-of-the-box* scan static analysis templates and *ease of use* features

- Auto Discovery Assistant helps automatically locate application source files
- Scan Assistant helps simplify setup with out-of-the-box scan templates

Help find more vulnerabilities with the *next generation Dynamic Analysis scanner* for the enterprise

- XSS Analyzer
- JSA in AppScan Enterprise
- Improved performance

Achieving Security Requires a Layered Approach

AppScan Integrates with QRadar and Network IPS

