

Investment in Automated Security Testing Tools Ramping Rapidly, According to VDC Research

Demand for improved software security and quality is rising sharply across both the embedded and enterprise/IT markets.

“VDC estimates over 35% of spending on embedded static analysis solutions in 2014 were associated with security vulnerabilities.”

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The worldwide market for static analysis test tools addressing software security will grow from \$102M in 2014 to \$220M in 2018, a compound annual growth rate of 21.2%, according to a new report by VDC Research ([click here](#) for more info). Several market and technology trends are catalyzing adoption of solutions to mitigate current vulnerabilities in enterprise system and embedded device software code bases. By 2018, about 50% of the static analysis revenue in embedded and over 70% in enterprise/IT will be related to the identification of mitigation of security vulnerabilities.

“Faulty software code can result in development cost and time overruns, catastrophic product failure, serious brand damage, and even loss of life in safety-critical applications,” says André Girard, Senior Analyst of IoT & Embedded Technology at VDC Research. “In the face of these challenges, the need to automate security and quality assurance through the use of formal tooling in software development is evermore clear.”

Trends that are helping bring software security concerns to the forefront and drive investment in security include: increased use of third party developed and open-source software, reuse of legacy code, ubiquity of IoT connectivity, tight time-to-market demands, publicized cyber-security failures, rising device intelligence, and interest applying analytics.

Several leading suppliers targeting enterprise/IT customers, such as Veracode and Checkmarx, focus exclusively on security detection and remediation. These companies have been effective in educating potential customers of the criticality of utilizing automated testing to address vulnerabilities in their software. Growing awareness of the potential impact of software vulnerabilities will continue to motivate further action and investment.

About VDC Research

Founded in 1971, VDC Research provides in-depth insights to technology vendors, end users, and investors across the globe. As a market research and consulting firm, VDC’s coverage of AutoID, enterprise mobility, industrial automation, and IoT and embedded technologies is among the most advanced in the industry, helping our clients make critical decisions with confidence. Offering syndicated reports and custom consultation, our methodologies consistently provide accurate forecasts and unmatched thought leadership for deeply technical markets. Located in Natick, Massachusetts, VDC prides itself on its close personal relationships with clients, delivering an attention to detail and a unique perspective that is second to none.

