

## Broad Cross-Tool Integration Necessary to Realize the Full Value of Agile or DevOps in Embedded, According to New Research by VDC

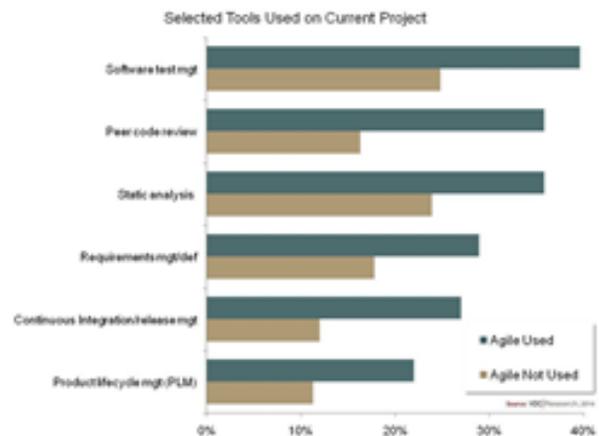
*More than 30% of embedded engineers are now using Agile as OEMs adopt more flexible practices to accelerate development and rapidly respond to changing customer needs and shifting market expectations.*

“The further advance of Agile and DevOps for systems development will be hindered without easing tool integration across the full development, operations, and support lifecycle.”

Natick, MA (PRWEB) June 11, 2014

Use rates of several development tool types such as continuous integration/release management, software test management, peer code review, and static analysis are much higher at organizations using Agile methods, according to VDC Research. Beyond using additional tool types, Agile developers are also more frequently using multiple tools within the same tool category.

An increased use of more powerful development tools is generating a profusion of data and a realization of the potential value of using this information. But to fully realize the value addition, it is vital for information-sharing between tools and systems of record flow easily, with minimal friction and that integrations can scale. As a result, the ability of development tools to integrate more readily and deeply with other tools is becoming a more critical selection criterion for embedded organizations.



VDC notes that the use of open standards for integrations could benefit the entire tool supplier community, as it did for communication equipment providers. End users want assurance that their new purchases will integrate with their existing infrastructure or planned future purchases. An open standard such as the Open Services for Lifecycle Collaboration (OSLC) could serve this function if widely adopted by the tool supplier community.

“The days of locking out other vendors in a closed-garden approach are coming to an end,” said André Girard, Senior Analyst of M2M Embedded Software & Tools at VDC Research. “OEMs need their development tools, regardless of supplier, to communicate with each other as they implement more collaborative practices.”

Engineering departments often make sizable investments in licensing and training for their legacy tooling, and these tools may hold a significant portion of their intellectual capital. VDC projects the software lifecycle management tool supplier community will be compelled, in time, by market demand to adopt a standardized set of specifications for integration, either OSLC or some other alternative, to help OEMs unlock the full potential of their engineering data.

### About VDC Research

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