VectorCAST 6.2 Drives Test-Driven Development and Agile Processes to the Next Level
Press Release
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Vector Software has announced the release of a host of new features to support Change-Based Testing (CBT). The new VectorCAST™ 6.2 release is focused on supporting the frequent build and iterative test cycles required by Agile and Test-Driven Development (TDD) methodologies.

Ideally, each engineer would be able to execute all tests on every software change as it is developed, however complete regression testing for large applications can take hours or days to complete. With VectorCAST intelligently indicating the sub-set of tests that are affected by each change, test times are dramatically reduced.

The Change-Based Testing features built into VectorCAST allows every engineer on a project to quickly and easily assess the impact of a source code change on not only their code, but the entire software application. Instead of waiting until the following day to find bugs, engineers can now get test status quickly, and take corrective action to fix any test failures. In addition, this cycle can be repeated several times a day by all engineers. When this process is implemented for large development teams, the time savings is enormous, and bug free integration cycles become a reality. Reduced bugs during integration testing means that companies are better able to achieve their time-to-market and quality goals.

As applications become larger and more complex, the number of tests that must be run for each release grows dramatically, Change-Based Testing is a practical way to perform more testing more often, and maximize testing effectiveness. Software development organizations can now use VectorCAST to rapidly test their code, enabling them to meet aggressive time-to-market and quality objectives. In addition, and particularly for automotive applications (and projects in safety-critical industries), Change-Based Testing offers a way to effectively manage tight development cycles and rigorous safety-critical software standard requirements. For those using the VectorCAST solution, delivering quality applications in a timely manner is made much easier.