

CapCal® Agile Performance Testing

Datasheet



Traditional performance testing tools were not designed with Agile in mind. CapCal® Agile Performance Testing changes all that.

Agile software development radically changes how software development organizations traditionally work. This is especially true for software testing. Formal roles are being redefined into day-to-day activities. Concepts such as “delivering to QA,” and “meeting the QA criteria for delivery”, are replaced with the notion that quality has to be built in from the beginning, not hoped for at the end. One of the basic tenets of agile methodology is test-driven development, starting with unit tests that are written explicitly to fail until they can be proven to work.

These changes are compounded by the characteristically short iteration cycles (sprints), in which requirements are raised, changed, and reprioritized. At the same time, the application that you deliver at the end of each sprint must be fully tested to ensure that it meets the needs of end users and the business. Traditionally, this effort has been focused around functional and user acceptance testing, however the same risks and challenges apply to performance testing – after all, who cares if the ordering system works if it's too slow for anyone to tolerate?

Traditional Solutions weren't Designed to be Agile

So why do most companies wait until the last minute, or worse yet, simply ignore performance and hope for the best? One reason is that measuring performance requires subjecting the application to a level of load that will at least approximate, if not duplicate, the production environment. There are tools available to do this, but they have always been notoriously costly and time-consuming to use. User pricing combined with a heavy infrastructure meant that only a select few on the QA team had access to performance testing tools. And even then, the time and programming expertise required to code scripts is much more waterfall than Agile.

CapCal Agile Performance Testing

CapCal Agile Performance Testing (APT) addresses the performance testing needs associated with Agile development processes. APT is a free performance testing solution designed for application developers and architects. APT allows you to record functional tests and reuse them as performance tests.

CapCal APT easily integrates with Microsoft™ Visual Studio®, Cruise Control®, FitNesse, and other Agile development tools.

CapCal APT, as with CapCal's other revolutionary performance testing solutions, uses a new approach for validating web-based applications under increased user and transaction loads that is based on the same distributed, service-oriented model as the applications it tests. This architecture allows organizations to test application performances in real time from the "cloud" and not just the lab.

Track Performance with Every Change

CapCal APT allows developers and architects to track application performance trends by leveraging unit and functional tests. CapCal APT's 2-minute performance test emulates 20 virtual users to yield a wealth of information about how your application performs under load. By monitoring performance trends from one test to the next you can quickly spot problems and track your progress over time. If today's performance results are 30% worse than yesterday's, it's easy to pinpoint the cause and much easier to fix it than it would be later.

Performance Testing Expertise

Of course, Agile Performance Testing is just the tip of the CapCal iceberg when it comes to web application performance testing. But for the teeming masses that simply want to measure performance in an agile development environment, it's just what the doctor ordered!

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