

SOASTA CloudTest™ On-Demand

SUMMARY

Developing and delivering highly scalable, reliable Web applications has become critical to nearly every major business, but has traditionally been an expensive, time-consuming and risky undertaking. Accurately simulating large numbers of Web users accessing these systems is possibly the biggest challenge, as it is virtually impossible to create real-world Web traffic inside an internal test lab. Along with the immense total cost of test hardware and infrastructure, other obstacles include overpriced, outdated load testing tools, shortage of experienced teams to run and analyze complex test scenarios, and analysis tools capable of quickly isolating core issues from massive, disparate amounts of test data. This has led to some epic Web site failures over the past year, with many companies using their customers to “crash test” their web sites. But even sites that have survived an outage or crash feel the impact of poor performance to their reputation and bottom line. SOASTA has harnessed the immense power of Cloud Computing to use the real Web to test the Web, opening load testing options to customers simply impossible and unobtainable in the past while still reducing testing costs by up to 80%.

Amazon estimates they lose 1% (US \$180M) in all sales for every 100ms of latency on their site. Google reported they lose 20% of their traffic whenever a page takes longer than .5 seconds to load.
-- Source: Tom Hoff, HighScalability.com

“All we had to do was give SOASTA our URL, let them know what we wanted to test, and SOASTA took care of the rest. Within the first hour we started seeing the bottlenecks and were able to troubleshoot our network and application in real time. It was easy, it was affordable and it was fast.”
-- Osman Rashid, CEO, Chegg.com

WHAT DOES CLOUDTEST ON-DEMAND PROVIDE?

SOASTA's CloudTest On-Demand services leverage the Cloud to assure and tune performance and reliability through accurate, realistic load tests simulating tens to millions of users accessing your Web systems. As a full-service solution, you simply provide user scenarios and test criteria, and SOASTA's experienced cloud testing experts build the tests, provision the complete cloud environment, execute the tests and work with you in real-time to analyze, fix, and tune your system. Your time and money are spent on fixing the problems, not on purchasing, provisioning and administering test tools and environments.

Common CloudTest On-Demand objectives:

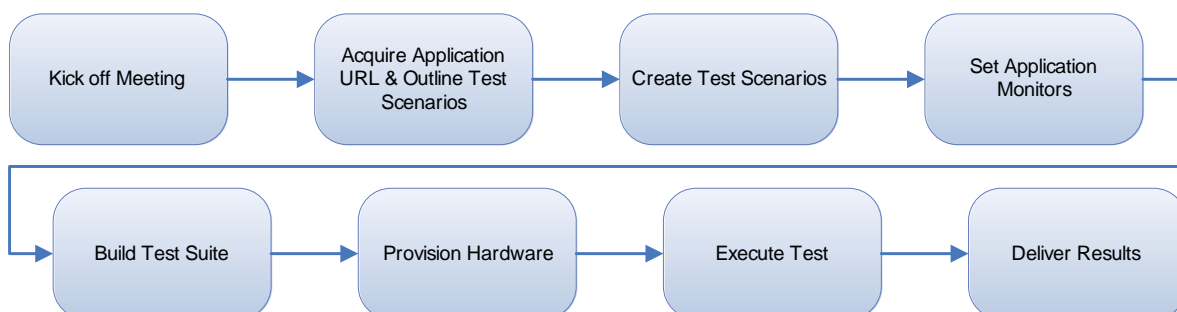
- Stress Testing – Pushing systems to maximum load capacity and beyond
- Performance Testing – Measuring response time variance over load and time
- Reliability Testing – Measuring performance degradation over longer periods at varying load levels

HOW DOES IT WORK?

Attending a CloudTest On-Demand session is like participating in a NASA rocket launch. Experts from SOASTA will work with you to build complex test scenarios using our state-of-the-art testing application. Based on your needs, CloudTest technology will provision up to thousands of test servers to direct user loads from diverse, cloud-based origins across the globe. When the “launch” commences, a full complement of application and network monitors capture performance metrics as tests are run. The potentially immense datasets collected are immediately analyzed through OLAP technology, in real-time, for all team members to observe from any remote location and act upon. As issues and errors arise, adjustments can be made and tests are either continued or suspended and resumed later as necessary.

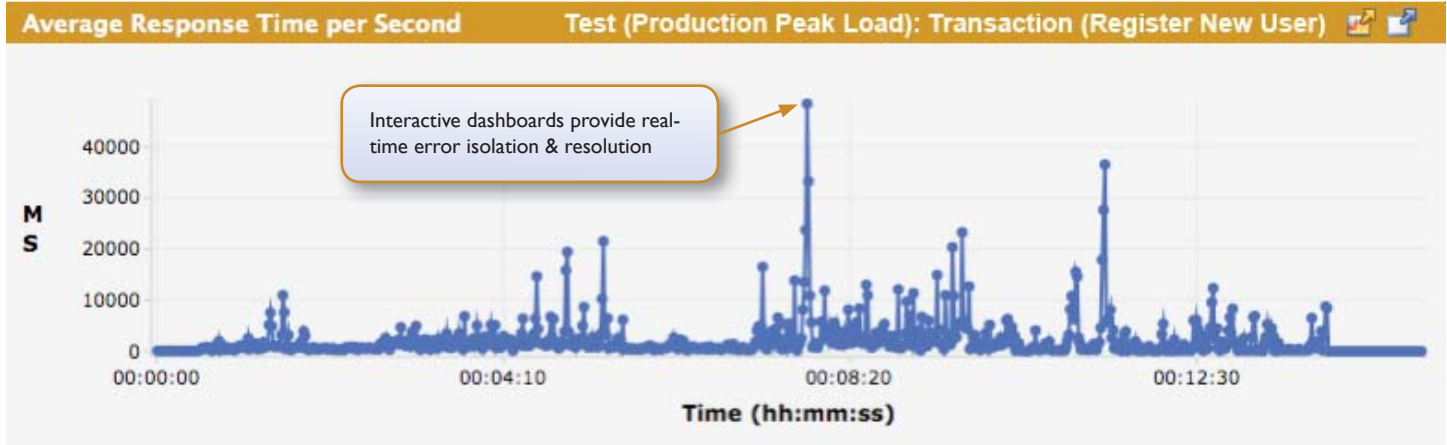
Uniting your staff and ours as a seamless virtual team, CloudTest On-Demand combines revolutionary technology with cloud testing experts for an experience never before possible, and eliminates the constraints of traditional testing solutions like hardware availability, software licensing and installation, version control, test creation, system monitoring, and the cost of hiring and training staff.

TESTING WORKFLOW



SOASTA CloudTest On-Demand™

REAL-TIME ANALYTIC DASHBOARD: DRILL DOWN FOR SYSTEM TUNING



WHERE DOES MY APPLICATION HAVE TO RESIDE TO USE CLOUDTEST?

CloudTest uses the power of Cloud Computing to test your applications regardless of their location. Whether you are building fully cloud-based applications, deploying traditional Web applications, retrofitting legacy applications for the Web, or building the next-generation Web 2.0 Social Media blockbuster, SOASTA's CloudTest On-Demand service can help.

GETTING STARTED

SOASTA test engineers will assist you in determining your test strategy and conduct the entire testing process for you. After the kick off meeting, we will have you testing within hours. For further information about CloudTest, please contact your SOASTA representative, visit us at www.soasta.com, or in the USA, call 1-866-344-8766.