



TestMaker Platform
*The Test Automation Solution
For Service Environments*

**2248 Montezuma Drive
Campbell, CA 95008 USA
Phone: (408) 374-7426
globalservices@pushtotest.com
www.pushtotest.com**

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THE TEST AUTOMATION SOLUTION FOR SERVICE ENVIRONMENTS

Service environments – a new class of software applications – deliver software application functions over open protocols on routed private intranets and the Internet. Over the past five years, enterprise adoption of Web-based service environments sparked an explosion of new software projects. The protocols (HTTP, HTTPS, SOAP, XML-RPC, SMTP, POP3, IMAP) are accepted standards and widely supported by the computer industry and enterprise users.

Services have a common requirement for always-on interoperability and connectivity. For example, a Web browser may retrieve a Web page, a pager may receive an email message, a portal may collect data in XML format from many services and present a single Web portal page, and many systems located in various places may be integrated into a new and productive service.

Many enterprises are now understanding how to govern these services: What guaranteed level of service will be delivered? Who is responsible for maintaining the service? Who will users report service problems to and how will problems be resolved?

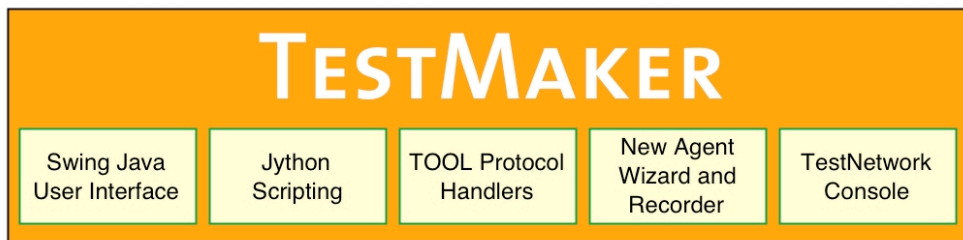
With all this software interoperability, server-to-server and application-to-application communication going on...

How do you assure the service will be reliable and scalable?

THE TESTMAKER SOLUTION

TestMaker is a framework and utility to assure that service environments are meeting user goals. TestMaker intelligent test agents drive a service using native service environment protocols to achieve the following:

1. Check that functions are working and are configured properly.
2. Simulate real-world production environments to test scalability under increasing levels of load.
3. Prove Service Level Agreement (SLA) service delivery by periodically monitoring a service for proper function and performance.



TestMaker delivers a rich environment for developing intelligent test agents. TestMaker comes with:

1. Friendly graphical user environment.
2. Object-oriented Jython¹ scripting language to build intelligent test agent scripts.
3. Extensible library of protocol handlers. Includes ready-to-use implementations of HTTP, HTTPS, SOAP, XML-RPC, SMTP, POP3, and IMAP.
4. New agent wizard, featuring an Agent Recorder to write scripts for you.
5. Console to run test agents in a distributed test environment called TestNetwork.
6. Library of fully functional sample test agents
7. Shell scripts to run test agents from the command-line and from unit test utilities

¹ Jython is a 100% Java implementation of the popular Python language. Details at www.jython.org

TestMaker is a 100% Java application. TestMaker runs everywhere Java runs, including Windows, Mac OS X, Solaris, and Linux environments.

PushToTest products are designed for software developers, QA technicians and IT managers:

- *Software developers* need a framework to conduct system-level unit tests to check service functionality. TestMaker provides a jUnit-based functionality test framework. TestMaker test agent scripts are written in Jython, a 100% Java implementation of the popular Python scripting language. Jython has the advantage of allowing developers full use of Python objects and any Java object.
- *QA technicians* reuse TestMaker intelligent test agent scripts, developed by software developers for unit and functionality tests, to run scalability and performance tests for free.
- *IT managers* run the same agent scripts in the TestMaker environment as quality-of-service monitors with no extra effort.

This unique approach enables a new way to leverage any enterprises' software development, QA and IT efforts into new huge cost-savings.

TestMaker is distributed under a free Apache-style license. There is no cost to download and use TestMaker. TestMaker comes with its source code to allow you to better understand how it works, to fix bugs and contribute improvements to the TestMaker community, and to build your own test environment.

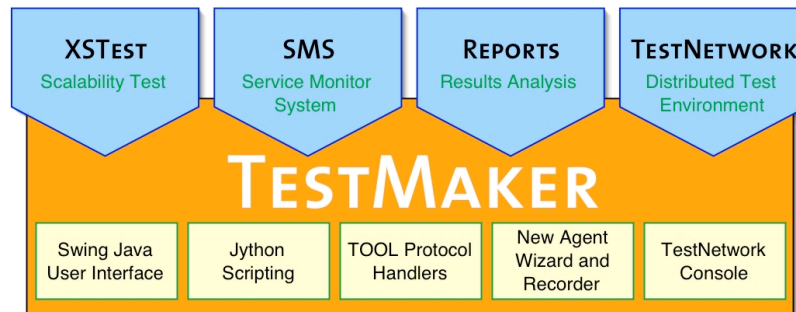
Many enterprises need to rapidly deploy test automation solutions based on the functionality TestMaker offers. The next section describes the commercial-grade TestMaker-based solutions offered by PushToTest.

TESTMAKER PLATFORM – COMMERCIAL GRADE SOLUTIONS

PushToTest – a commercial software publisher – provides these services to enterprises:

- a. Support agreements and training seminars for TestMaker.
- b. Commercial tools that deliver value-added scalability and performance monitoring solutions.
- c. Licensed commercial-grade version called *TestMaker Platform*.

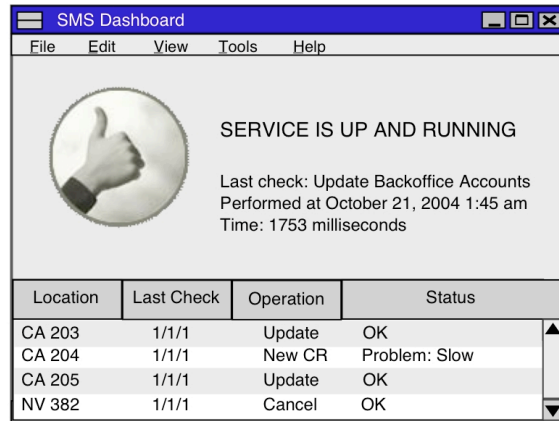
This section describes these commercial options.



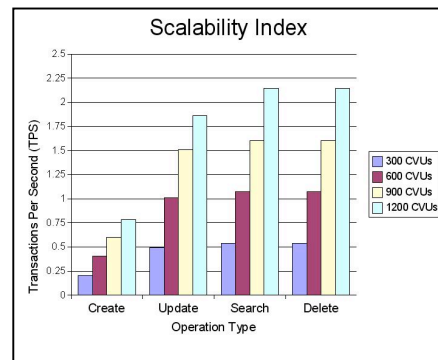
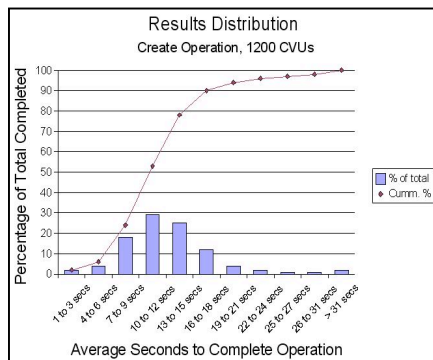
PushToTest offers a commercially licensed test automation solution named *TestMaker Platform* that offers all the advantages of TestMaker plus these value-added features:

1. XSTest Pro – An advanced, feature rich version of the XSTest scalability and performance testing framework. XSTest runs TestMaker test agents concurrently at increasing levels to deliver a Scalability Index. The Scalability Index identifies scalability problems for your software engineers and delivers immediately useful information for capacity planning.

- Service Monitor System (SMS) – Periodically runs TestMaker test agents, logs the results to prove service levels, provides a Web-based live dashboard of the monitored results, and immediately sends alert email notices when the service fails or responds too slowly.



- Reports – Turns test agent results data into actionable knowledge, including charts and graphs that show the scalability index, result timing distribution, and performance timing by operation.



- TestNetwork – TestNetwork runs TestMaker test agents remotely on a grid of test services. TestNetwork enables you to run up to hundreds-of-thousands of virtual test agents concurrently.

TESTMAKER PLATFORM PRICING AND LICENSING

TestMaker Platform is a licensed commercial product that is available from PushToTest. Pricing begins at \$10,000 USD and is based on these factors:

1. Optional Tools needed – PushToTest will construct a proposal so that you only pay for the parts of TestMaker Platform you need and will use.
2. Test Scale – TestMaker Platform pricing is not based on Virtual Users but instead on scope of your test needs.
3. Global Services – Custom changes and extensions to the TestMaker Platform that are designed and implemented by PushToTest experts to meet your exact needs.

HOW TO GET STARTED

Contact PushToTest for your proposal today. Send email to globalservices@pushtotest.com or call (408) 374-7426 (USA, California time) for a proposal and additional information.