

 **WebKing**[®]

AJAX Release

DATA SHEET

Parasoft WebKing is the only advanced automated testing solution for creating, executing and managing functional and regression test suites that employs Automated Error Prevention (AEP) technology. AEP technology delivers an automated framework for detecting common software errors that allow development, QA, or business analysts to prevent errors instead of finding and fixing errors.

Parasoft WebKing provides unparalleled collaboration among technical and non-technical users. Non-technical users can create and edit scriptless tests by simply clicking through the Web application. These test cases can be shared with technical users via the WebKing user interface or JUnit! Imagine, a non-technical user sending a developer a JUnit test case to illustrate a functional error – saving both time and frustration.

Parasoft WebKing Excels Where Others Fail

Web application testing is difficult to automate. Teams often create automated test suites, but due to too many false positives or too much effort required to maintain the tests, they are eventually abandoned in favor of manual testing. Parasoft WebKing facilitates creation of automated test suites that are reliable and dependable. Its ability to isolate testing to specific elements of the Web application eliminates noise and provides accurate results.

Isolate and Test AJAX Application Components

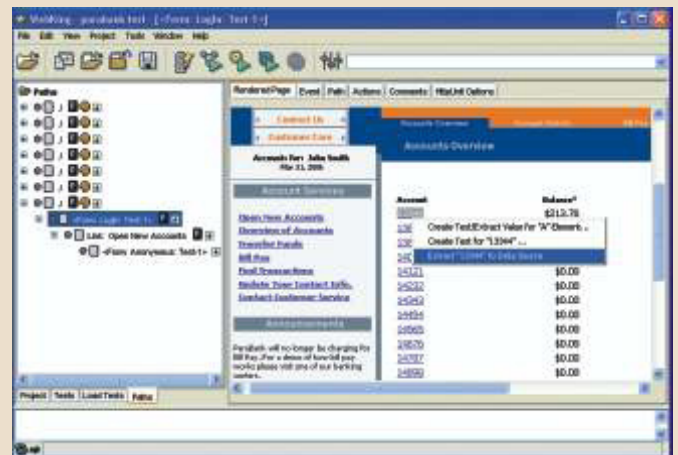
AJAX and Rich Internet Applications deliver a richer user experience as well as bring a greater level of complexity to the architecture and development of Web applications. Parasoft WebKing delivers an automated framework to isolate and test the unique components of an AJAX/RIA application and then aggregates those components into a comprehensive test suite. Parasoft WebKing validates the format and content of client/server messaging to ensure that the data is expected and correct. In addition, server messages are "frozen" and inserted in place of dynamic messages to validate that errors seen in the user interface elements are due to defects in the AJAX engine and not due to changes in dynamic application data.

Bottom-Up, Top-Down Approach

Web applications are comprised of many different components written in different formats: HTML, JavaScript, CSS, XML, to name a few. To ensure the quality of a Web application, these components need to be tested individually to ensure internal stability and integrity, as well as testing that the entire application functions properly when all components are working together. Parasoft WebKing takes a policy-based approach to validating the quality of the individual components, creating and enforcing policies for development best practices and guidelines.

Communicate Test Assets Among Technical and Non-Technical Team Members

The role of quality is shifting for Web applications. As application components become more distributed, no single technical team is responsible for the entire application, shifting the onus of quality onto the individual development teams for each component. The person responsible for the functionality of the entire application tends to be less technical – QA or a business analyst.



WebKing provides a rendered view of each HTML page accessed by a test case, allowing users to click on page elements within the rendered view and automatically set up functional tests on those elements.

Features

- Functional testing
- AJAX application testing
- Load and performance testing
- Accessibility analysis
- Custom branding enforcement
- Intranet standards enforcement
- Generate developer-friendly JUnit test cases
- Run recorded tests against multiple browsers
- Framework for organizing and running tests nightly

Benefits

- Reliable, accurate test suites
- Shareable test assets
- Built-in application quality with WebKing's policy-based approach
- Easily communicate defects between non-technical and technical team members
- Enforce consistency across the Web application

Platforms

- Windows XP (Professional or Server Edition)
- Windows Server 2003
- Windows 2000
- Linux
- Solaris

These less technical teams need to be able to communicate problems to the technical development teams efficiently and easily. Parasoft WebKing facilitates this by creating non-technical test assets in an easy-to-use interface, then allowing those assets to be easily converted to technical assets that developers can understand.

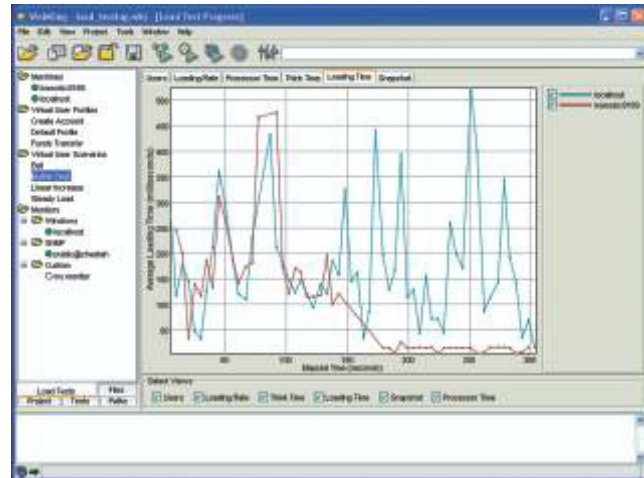
Integrated Web Application Testing

WebKing automates testing in the following areas: functional testing, AJAX application testing, load and performance testing, and Web site risk analysis.

Web Site Risk Analysis

WebKing automatically analyzes a Web application in the following areas:

- **Accessibility:** Support for Section 508, WAI, and WCAG 2.0 guidelines
- **Branding:** Automatically enforce policies related to site layout and "look and feel"
- **Intranet Standards:** Identifies use of sensitive corporate data
- **Consistency:** Prevents broken links, spelling errors, browser compatibility issues



WebKing verifies Quality of Service criteria by providing flexible load test configurations.

www.parasoft.com

Contact info:

Parasoft Corporation, 101 E. Huntington Dr., 2nd Flr., Monrovia, CA 91016
Ph: (888)305.0041, Fax: (626)256.6884, Email: info@parasoft.com