

Delivering WebSite Quality Solutions with Instrumented Browser Technology

Features/Capabilities

- **Browser Based Technology**
- **Superior Ease of Use**
- **Intuitive Interface**
- **Functional Testing**
- **Built-In Performance Charts**
- **Regression Testing**
- **Server Loading**
- **Built-In LoadTest Charts**
- **Test Management**
- **Site Analysis & Scanning**
- **Detailed Page Analysis**
- **3D-SiteMaps**
- **Deep Transaction Monitoring**
- **Simple, Powerful Scripting**
- **Compact Footprint**
- **Detailed Timing Capability**
- **Timing Charts**
- **Over 250 Commands**
- **Complete Logging**
- **LoadTest Monitor**
- **Scalable, Modular Architecture**
- **Runs Anywhere**
- **Server Agnostic**
- **Batch/Scheduler Operation**

Benefits/Results

- **100% Client Perspective**
- **Replicates IE Rendering**
- **NT Scheduler Interface**
- **One Suite Fulfills Your Web QA Requirements**
- **Instant Problem Identification**
- **Totally Real User Experience**
- **Handles All Security Modes**
- **High Perceived Quality**
- **Accurate Performance Timing**
- **Scalable To Your Applications**
- **Highly Repeatable Results**
- **Affordable Operating Costs**
- **Excellent ROI**

The WebSite Quality Challenge

Your WebSite is your firm's front door, your customer catalog, your corporate image, your order department, and often a great deal more. It's a projection of yourself. How it looks, how it's organized, how it works, and how quick it responds determines the image your customers have of you.

Failures in your WebSite have instant and worldwide implications. The speed of the internet makes this so. You have to be very careful what your site says because, everyone sees every problem right away.

Your WebSite is a significant investment that you can't afford to undervalue. How it works, it's availability and performance, how it "feels" to users -- these may seem to be intangible, but with eValid technology, they're measurable. eValid technology can help you preserve and protect this very precious asset.

The eValid Solution

eValid technology puts testing and analysis functions where they should be -- into a real, fully functioning IE-equivalent browser. eValid can test any WebSite or web application -- extranet or intranet -- or web service. In fact, eValid can test any kind of system that is viewed with a browser.

eValid brings all of these capabilities into a test enabled web browser. Putting test and QA functions into the browser gives eValid a unique, web-centric view of the WebSites it analyzes. eValid is self-contained, has a very clean GUI, and is highly adaptable and flexible, thanks to its modular architecture.

The main operating modes for the eValid engine are:

- *Functional Testing* The browser-centric view simplifies test recording and editing, simplifies playback control, and assures 100% reliable and realistic user behavior emulation.
- *LoadTest* Multiple playbacks of functional test scripts assure very accurate, very realistic loading.
- *Monitoring* Pings tell if your WebSite is powered up. HTTP checks confirm your WebSite delivers pages. eValid transaction monitoring scripts confirm that your WebSite is awake, running coherently, and "answering real questions."
- *Site Analysis* The built-in WebSite analysis spider starts at any URL and travels recursively through all the children of that URL, producing an interactive tree.
- *Performance Check & Page Tuning* The performance process allows you to examine download times of each element on a page at a timing resolution of milliseconds. This enables you to "tweak" each element of the page to eliminate download time bottle-necks, and more.

Advanced Technology

eValid advanced technology features include: *Adaptive Playback*, to guarantee that tests adapt to slightly changed web pages; *Automatic Synchronization*, to assure that tests behave correctly in a very wide range of host machine performance capabilities; *Advanced Validation Modes*, to provide for automatic confirmation of test results; and much more.

Functional Testing

Functional tests with eValid demonstrate correct operation of your application or process, and validates its operation with over 25 internal validation modes. Functional tests preserve actions, context, state and intermediate data identically the way they are preserved by a real user.

Regression Testing

Regression tests alert you to all changes in your WebSite or changes in your web application functionality. eValid's build-in test suite management **eV.Manager** system handles hundreds or thousands of tests.

Server Loading

Using multiple copies of eValid you can load your server with 25, 50, 100's of actual user sessions. Use multiple machines with our Infinite User License and you can simulate 1000's or 10,000's of users. LoadTest user simulations have complete reality: every session can preserve user context; and, sessions are seen by the server no differently than a real user.

Performance Test Projects

Using eValid technology we can deliver very sophisticated server loading scenarios that simulates 100's or 1000's of users. Load imposed over the web and entirely from outside your environment is the safest, surest, most-realistic form of server load and capacity verification.

Application Monitoring

Fully realistic context preserving tests of your internet application form the basis for service assurance from the end-user perspective. eValid applications tests are schedulable. Batch mode playbacks include adaptive playback technology to minimize false alarms and maintain high reliability. 100% realistic applications can be of any complexity.

Site Analysis, Mapping, Tuning

eValid's powerful in-browser spider can travel through a WebSite, collecting data entirely from client perspective. No access to your website server is required. eValid is server immune: site analysis runs entirely in the eValid browser client and entirely from a users' perspective.

As each page is delivered to eValid, it is checked for broken links and detailed page statistics: download times, page age and size, existence of specified strings. Reports are generated on-screen, in real time, (or in batch mode) pinpointing to problems that only your Website visitor would experience.

eValidation Managed WebSite QA Service

Using eValid technology the eValidation Managed Service capability provides over 75 valuable QA and content analysis reports for large corporate WebSites or sub-WebSites -- 10,000 pages, or 25,000 pages, or 50,000 pages, or even more. User selections allow you to custom tailor the analysis and reporting to your specific needs. Reports completed are done weekly, semi-monthly, or monthly on a subscription basis.

Special eValidation managed services options provide in-depth quality assurance for your WebSite. In addition, special tests assure that your site meets Section 508 and related accessibility standards.

System Requirements

eValid solutions run on Windows 2000/XP/Vista/Windows 7, IE.6.0 or later. Installation download file is < 9 MB. Product footprint is 10MB-20MB per instance. Separate instances maintain separate execution space. HostName and Floating Licenses available. Immune to server type and technology. All analysis is based on what's delivered to the browser. All eValid hosted or managed service results are delivered via secure WebSite access.

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