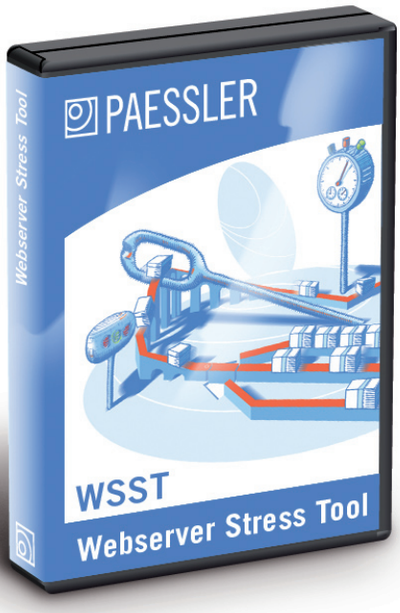


PAESSLER®

Webserver Stress Tool

Web Server Performance, Load, and Stress Test

Webserver Stress Tool simulates any number of users accessing your website at the same time. This quickly and easily demonstrates the performance capabilities of your infrastructure under stress.

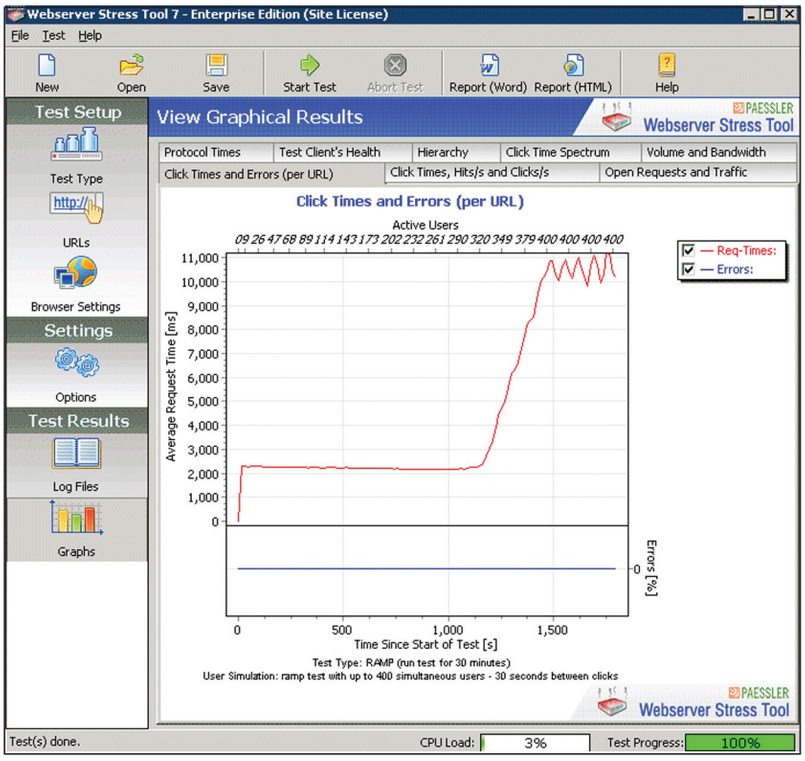
Webserver Stress Tool is a powerful HTTP-client/server test application designed to pinpoint critical performance issues in your website or web server that may prevent an optimal experience for your site's visitors.
By simulating the HTTP requests generated by hundreds or even thousands of simultaneous users you can test your web server performance under normal and excessive loads to ensure that critical information and services are available at speeds your end-users expect.
Detailed test logs and several easy to read graphs make analyzing results a snap. Webserver Stress Tool for Windows (98/ME/2000/XP/2003/Vista) can benchmark almost any HTTP server (e.g. static pages, JSPs/ASPs, or CGIs) for performance, load, and stress tests.

Why Should You use Webserver Stress Tool?

Using Webserver Stress Tool when developing and running websites is important for your web infrastructure:

- Maximize Value: Webserver Stress Tool is the most cost-effective solution in the market for simulating performance, load, and stress tests for your web server
- Maximize Uptime: Resolve performance critical issues in your web server before they bring down your website
- Maximize Performance: Make sure that your websites and applications are given the server resources they need when they need them to guarantee a high quality user experience
- Maximize ROI: Get everything out of the investment in your web server technology through consistent and in-depth testing and analysis

Screenshot 1: **Result of a ramp test with 400 users**

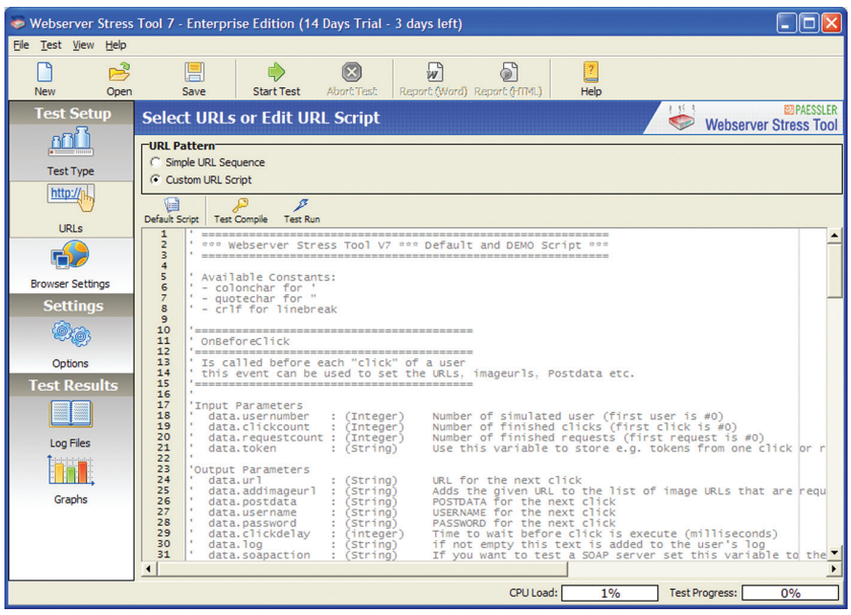


How Much Load can Webserver Stress Tool Generate?

We have successfully tested Webserver Stress Tool 7 with:

- more than ~500 MBit/s network load
- more than 1.000.000 page views/hour
- up to 10.000 simultaneous users

See our Sample Performance Tests section on our website for detailed test reports. The actual load you can achieve is highly dependent on your network infrastructure, your server/client hardware, the file sizes, and your web application.



Screenshot 2: **Tests can be programmed individually by using the URL script feature**

Features

Webserver Stress Tool simulates up to 10,000 users that independently access a website via HTTP / HTTPS by clicking their way through a set of URLs. Simple, as well as complex URL patterns are supported (via a script file). Based on the parameters you specify, the application not only requests the HTML of a URL but also frames, images, flash files, etc., emulating the same behavior a web browser would show when accessing the website.

Each user is simulated by a separate thread with its own session information (i.e., cookies for each simulated user are stored separately) and »surfs« the URLs independently from the other users – just like in real-world web usage.

URLs can be parameterized for each user and the sequence of URLs can be varied. POST and GET requests are supported as well as BASIC HTTP Authentication and several other settings. With the new scripting functionality you can even create highly complex URL patterns for large scale web applications.

»Just downloaded your product and was surprised with the ease of installation and configuration. Up and running within 5 minutes, that's great.«

René Kuijf, Ideas to Interconnect B.V.

Supported Test Types

Webserver Stress Tool complies to a number of different testing types. For example:

- Performance Tests – this test queries single URLs of a web server or web application to identify and discover elements that may be responsible for slower than expected performance. This test provides a unique opportunity to optimize server settings or application configurations by testing various implementations of single web pages/script to identify the fastest code or settings.
- Load Tests – this tests your entire website at the normal (expected) load. For load testing you simply enter the URLs, the number of users, and the time between clicks of your website traffic. This is a »real world« test.
- Stress Tests – these are simulations of »brute force« attacks that apply excessive load to your web server. This type of »brute force« situation can be caused by a massive spike in user activity (i.e., a new advertising campaign). This is a great way to find the traffic threshold for your web server.
- Ramp Tests – this test uses escalating numbers of users over a given time frame to determine the maximum number of users the web server can accommodate before producing error messages.
- Various other tests – working with Webserver Stress Tool simply gives you more insight about your website, e.g. to determine that web pages can be requested simultaneously without problems like database deadlocks, semaphores, etc.

Reporting and Logging

This stress and load test tool provides graphs and data in a number of different formats including:

- Several easy to use graphs
- Summary text log
- Detailed text log
- User text log (one for each user)
- Machine readable CSV files for the request log and the raw graph data

System Requirements

The preferred operating environment is Windows XP/2000/2003/Vista on a fast test client machine. The target web server can be of any operating system.

Freeware & Commercial Editions

A free Trial Edition may be downloaded from: www.paessler.com/download
Commercial Editions start at
$ 249.95 / € 199.95.
Orders can be submitted at:
www.paessler.com/order

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