



What's New in WebLOAD Professional 8.5

Version 8.5 introduces a new Parameterization Manager, new validation capabilities, improvements to the correlation engine, new statistical correlation reports and usability and functionality enhancements to the IDE, Console, and Analytics.

Version 8.5 highlights

1. **New Parameterization Manager**

The new Parameterization Manager extends the capabilities of its predecessor with new parameter types that support the most complicated scenarios. In addition, its new visual editor enables management of dynamic content from within the test script, eliminating the need for manual editing.

2. **New Validation Engine**

The new Validation Engine adds new methods for verifying the server's desired response. As a result it is now possible to have complete confidence in the correctness of the scenario and consequently in the test's results.

3. **Enhanced Correlation Engine**

WebLOAD 8.5 extends the coverage of its Auto Discovery Engine to support more complex correlation types, eliminating the need for manual intervention.

4. **Side-by-side Views**

It is now possible to quickly identify mistakes and anomalies by comparing recording and execution data in one side-by-side view.

5. **Statistical Correlation – Probable Cause Analysis**

WebLOAD 8.5 introduces a new set of statistical report templates designed to automatically identify the problematic areas using statistical correlation heuristics. The reports identify and present the top measurements that are highly correlated with suspicious server performance behavior.

6. **Support for All SAP Platforms**

WebLOAD 8.5 extends its support for SAP to cover the SAP GUI and all other SAP applications that could not be load-tested via HTTP.



Complete list of new features in version 8.5

WebLOAD IDE Enhancements

1. New Parameterization Manager

The new Parameterization Manager extends the capabilities of its predecessor with new parameter types that support the most complicated scenarios. In addition, its new visual editor enables management of dynamic content from within the test script, eliminating the need for manual editing.

The following are some of the key properties that can be set in the new Parameterization Manager:

- Parameter type (such as Date, Time, Random number, Random string, Data file)
- Unique option – This option is selected when unique data is required (such as user name)
- Sharing policy – This option is selected when the value should be shared among Load Generators, Scenarios, or Virtual Clients.
- Value change policy – This option specifies when the value should be changed: On each round, Once per Virtual Client, Once per Load Session.
- 'When out of values' option – Specifies which action to take when running out of values: Keep the last value, Start from the beginning, Abort Virtual Client, Abort the Load Session.

With the new Parameterization Manager it is now possible to add these parameters to the script with one click inside the authoring window.



2. New Validation Engine

The new Validation Engine adds new methods for verifying the server's desired response. As a result it is now possible to have complete confidence in the correctness of the scenario and consequently in the test's results.

The new Validation Engine automatically generates code for response validation, eliminating the need for manual scripting. It can be applied to a specific response rather than the entire script, enabling greater flexibility, efficiency and freedom for customization.

The following verifications can be set in the Response Validation window:

- Page Title – Validates that the page title is the same as specified in the definitions
- Page Time – Validates that the time to load the page is not greater than the value specified in the definitions
- Content Length – Validates that the length of certain content is within the specified range
- Content – Validates that the server response contains the specified text

Once a failure has been identified WebLOAD can take a range of actions such as displaying an error message, stopping the round, aborting the entire session or calling an external JavaScript function.

3. Enhanced Correlation Engine

The powerful Auto Discovery Engine introduced in WebLOAD 8.4 assists in creating the test scenario without having to undergo a painful and time consuming process of manually identifying correlation rules and editing complex and lengthy scripts.

WebLOAD 8.5 extends the coverage of its Auto Discovery Engine to support more complex correlation types, eliminating the need for manual intervention.

The following correlation types were added:



- **From/To cookies:** The Correlation Engine automatically discovers the cases where cookie values are sent as request fields, or when cookies are created by client-side JavaScript using server generated values
- **Specific Value:** The user can now specify a specific value to be correlated. Auto-discovery will find and create a new rule for the requested value
- **Custom header:** The Correlation Engine can now automatically detect and replace dynamic values in custom HTTP headers

With the addition of the above correlation types it is now possible to have a script ready for load test execution in a matter of seconds.

4. Recording and Recording Options Enhancements

WebLOAD 8.5 adds enhancements that provide a more productive and efficient user experience during the script creation process.

- **URL Filtering:** This feature makes recording more efficient by filtering out unwanted recordings such as browser toolbars and web analytics. This can be done by either excluding the unwanted source or by including desired sources only.
- **Client-side Cookie recording** – Client-side cookies are now automatically recorded, eliminating the need for manual coding. The user can decide to include or exclude them in the script at any stage of the script lifecycle without having to re-record or perform any manual editing.

5. New Assistant View

The new Assistant View was designed to help the novice tester create load-test scripts in a few simple steps. The assistant guides the user through a simple, five-step process of Recording, Correlation, Verification, Parameterization, and Playback. Completion of the process results in a script that is ready for load-test execution.



6. Side-by-side Views

It is now possible to quickly identify mistakes and anomalies by comparing recording and execution data in one side-by-side view. Supported views include HTML, HTTP headers, browser and DOM view.

WebLOAD Console Enhancements

1. Performance Monitor Wizard

The WebLOAD Performance Monitor Wizard now contains an explanation page for each selected application server with clear configuration instructions.

2. Performance Monitor Online Help

The PMM's online help has been updated with detailed explanations for each monitor and its required configuration steps.

3. New types of Performance Monitors

WebLOAD 8.5 adds monitoring support for additional application servers:

- GlassFish Enterprise Server (using JMX)
- JOnAS Enterprise Server (using JMX)
- WebSphere 7.0 (using JMX)
- SAP R/3 system



WebLOAD Analytics Enhancements

1. Statistical Correlation – Probable Cause Analysis

WebLOAD 8.5 introduces a new set of statistical report templates designed to automatically identify the problematic areas using statistical correlation heuristics. The reports identify and present the top measurements that are highly correlated with suspicious server performance behavior.

The probable cause report templates enable the identification of server performance bottlenecks across the entire measurement set. This is made possible by enabling the user to select any measurement as the one against which correlation will be applied and using it to find the corresponding correlated measurements.

2. General Enhancements

Transaction dashboard report

The Transaction Dashboard report template enables quick and easy identification of abnormal transactions by presenting each transaction in a separate graph.

Improved regression reports

Interactive Regression reports with many measurements and/or sessions are now easier to read and understand due to the use of different line types in different sessions.

Global time filter

This productivity improvement enables the definition of a global time filter that can be automatically applied to all reports.



Report descriptions

Understanding, interpreting and communicating report results is now faster and easier due to built-in report descriptions that are included in every report.

Support for All SAP Platforms

WebLOAD 8.5 extends its support for SAP to cover the SAP GUI and all other SAP applications that could not be load-tested via HTTP. Key features include:

- Creates test scenarios quickly, without the need for programming knowledge
- Generates efficient and scalable load
- Minimizes memory and processor footprint, enabling large multi-user tests with limited hardware resources
- Supports mixed SAP and HTTP scenarios
- Enables insertion of custom Java and JavaScript code for flexible test customization
- Creates reports in real time to enable immediate identification of performance bottlenecks
- Collects and integrates server resource data with real-time application performance data

See the [SAP Datasheet](#) for more information.