# WebLOAD vs. LoadRunner Competitive Analysis



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#### Introduction

Both LoadRunner and WebLOAD are mature tools with rich load testing capabilities. Like LoadRunner, WebLOAD has been a pioneer of Web applications stress and load testing and incorporates 20+ years of experience with innovative technologies and ongoing feature enhancements.

While WebLOAD deliverers an enterprise-grade performance and load testing solution very similar to LoadRunner (see the detailed features comparison in this doc), it offers several benefits:

- *Cost effectiveness.* WebLOAD provides comparable load testing capabilities at a fraction of the cost of LoadRunner.
- Productivity. WebLOAD's offers a reduced learning curve and improved productivity. Nonprogrammers can build load scripts faster with WebLOAD taking advantage of its user-friendly UI, while saving project time and money. For advanced load scenarios, WebLOAD's JavaScript is much less demanding than LoadRunner's C-programming skills, which require more expensive test development personnel.
- *Faster, more attentive tech support*. WebLOAD offers 24/7 support with access to level-3 support personnel from the initial call.

## **Technical Comparison Highlights**

Below are some of the key points summarizing the feature comparison table.

**Easier test generation.** By using JavaScript as its scripting language, WebLOAD makes it easier to generate powerful scripts, compared to LoadRunner's C-like language, which is more complex and demanding.

**Note:** This comparison does not address LoadRunner TruClient and Click-and-Script. While useful for specific purposes, these recording protocols are resource intensive and not suitable for large-scale load testing with thousands of virtual users

**Test Execution.** During test execution it is easy to configure WebLOAD graphs and data drilling, as well as use the throttle control feature to modify the number of virtual users.

**Test Analysis**. WebLOAD's 80 predefined analysis reports, combined with its Web Dashboard, ease the process of root-cause analysis. In comparison, LoadRunner ships with 5 predefined analysis reports.



#### **Total Cost of Ownership**

With a rich set of features in par with LoadRunner, WebLOAD is offered at a fraction of the cost of LoadRunner. This includes a simple and transparent licensing model and an all-inclusive set of features (like server-side performance monitoring) at no additional costs.

## **Tech Support**

WebLOAD consistently receives high marks from its customers for outstanding technical support. From your first interaction you get developer-level responses – with no long waits or passing through multi-level support teams.





## Feature Comparison Table

#### Legend

1	
$\mathbf{X}$	

Fully supported out of the box Not Supported

Limited Support

	WebLOAD	LoadRunner
Platforms		
Windows OS		
User Interface (Controller)	V	1
Execution Agent (Load Generator)	*	1
Unix/Linux (general)		
User Interface (Controller)	X	X
Execution Agent (Load Generator)	1	<b>√</b>
Protocols & Technologies		
Web 2.0 & Rich Internet Applications (RIA)		
HTTP/HTTPs	1	1
HTML5	*	<b>√</b>
Adobe Flex/AMF	1	1
XML/SOAP	1	<b>√</b>
WebServices	V	1
WebSockets	1	1
Rest	1	1
AJAX (Asynchronous javascript and XML)	1	1
Java over HTTP	1	1
Terminal Emulation		
Citrix ICA	X	
RDP (Microsoft Remote Desktop Protocol)	X	1
RTE (Remote Terminal Emulation)	X	1

<sup>&</sup>lt;sup>1</sup> Adobe Flex: LoadRunner has limitations in RTMP and RTMPT



	WebLOAD	LoadRunner
SSH (Secure shell)	V	1
Network Protocols (IPP)		
FTP (file transfer protocol)	V	1
MAPI (Microsoft Exchange)	×	1
IMAP (Internet messaging)	V	1
SMTP (Simple mail transfer protocol)	V	1
POP3 (Post Office Protocol)	V	1
JDBC (Java database connect)	1	<b>√</b>
ODBC (Open Database Connect)	V	1
LDAP (Lightweight Directory Access Protocol)	V	1
TCP/IP, UDP	V	<b>√</b>
WebDAV (Web distributed authoring and versioning)	V	X
DNS (domain name service)	<u>2</u> 2	<u>}</u> 3
Authentication		
SSL	V	1
NTLM	V	1
Kerberos	V	1
Basic	V	1
Applications		
SAP NetWeaver	<b>1</b>	<b>√</b>
SAP GUI	X	<b>√</b>
Infor Lawson	V	X
Ellucian Banner/Luminis	×	X
PeopleSoft	V	X
PrimaVera (Oracle)	×	X
JDEdwards	<b>V</b>	X

 <sup>&</sup>lt;sup>2</sup> WebLOAD: scripting only
<sup>3</sup> LoadRunner: scripting only, building block available



	WebLOAD	LoadRunner
Oracle Applications (Forms)	4	×
Oracle 2-tier	<u>A</u> 5	V
Siebel	V	1
.NET (C++, C#, VB)	V	<b>√</b>
Wireless & Mobile		
iOS	V	V
Android	V	V
Blackberry	V	<b>√</b>
Multimedia (Voice & Streaming)		
RTMP	V	V
RTSP/RTP	V	X
Performance Monitoring (Server-Side) - System Resource		
Microsoft perfmon	V	<b>1</b>
Linux/Unix SSH	V	V
Linux/Unix rstatd	<b>1</b>	<b>√</b>
Performance Monitoring (Server-Side) - Databases		
Microsoft SQL Server	V	<b>1</b>
Oracle	<b>1</b>	1
ODBC/JDBC	<b>1</b>	1
PostgreSQL	V	X
DB2	X	<b>√</b>
MySQL	<b>1</b>	X
Sybase	X	$\checkmark$
Performance Monitoring (Server-Side) – Protocols		
PerfMon	<b>1</b>	
SNMP	$\checkmark$	X
SSH	V	V
JDBC	1	V

 <sup>&</sup>lt;sup>4</sup> Oracle Forms: WebLOAD using add-on
<sup>5</sup> Oracle 2-tier: WebLOAD manipulate the database via JDBC



	WebLOAD	LoadRunner
RSTATD	1	1
JMX	<b>1</b>	<b>√</b>
Performance Monitoring (Server-Side) – Application/Web Servers		
ANY via JMX	<b>1</b>	$\checkmark$
ANY via SNMP	<b>1</b>	$\checkmark$
Adobe LiveCycle ES	<b>1</b>	$\checkmark$
Ariba (SAP procurement)	<b>1</b>	$\checkmark$
ATG Dynamo (Oracle eCommerce)	<b>1</b>	$\checkmark$
Broadvision (eCommerce)	<b>1</b>	<b>1</b>
ColdFusion (Adobe)	<b>1</b>	V
Fujitsu INTERSTAGE	<b>1</b>	V
GlassFish AS (Oracle)	1	1
IBM WebSphere (5, 6, 7, 8.5)	1	1
iPlanet (NAS)	1	1
JBoss (RedHat)	<b>1</b>	<b>√</b>
JonAS	1	1
Microsoft Active Server Pages	<b>1</b>	<b>√</b>
Microsoft ASP.NET	1	1
Oracle 9iAS	X	<b>√</b>
SAP NetWeaver	1	X
SilverStream (Oracle Application Server)	1	1
WebLogic	1	1
Apache	<b>1</b>	<b>√</b>
Microsoft IIS	1	1
SunOne (Sun + NetScape)	1	V
Microsoft Windows Media Server	1	V
Real Networks RealServer	1	V
Tuxedo	X	V
IBM MQ	X	V



	WebLOAD	LoadRunner
Integration & Extensibility		
Command Line Interface	<b>1</b>	<b>1</b>
Open Architecture (Public SDK/API)	<b>1</b>	<b>√</b>
HP Quality Center	<u>6</u>	×
HP Performance Center	X	×
3 <sup>rd</sup> Party Tools Integration/Plug-in		
AppDynamics	<b>1</b>	$\checkmark$
Dynatrace	<b>1</b>	$\checkmark$
PerfectoMobile	<b>1</b>	$\checkmark$
Jenkins	$\checkmark$	<b>1</b>
Eclipse IDE	<b>1</b>	<b>√</b>
Visual Studio 2010 add-in	X	1
Interoperability/Extensibility		
СОМ	1	1
Java	<b>1</b>	×
General Features		
Protocol-Level Testing	<b>1</b>	$\checkmark$
Browser-Level (Emulation) Testing (LR TruClient)	$\mathbf{X}$	$\checkmark$
Distributed Architecture	<b>1</b>	<b>√</b>
Page Elements/DOM Access	<b>1</b>	<b>1</b>
JSON Object Access/Parser	$\checkmark$	<b>1</b>
XML Object Access/Parser	<b>1</b>	<b>√</b>
Java Object Access	V	×
Real Page/Browser View	1	1
Full HTTP Headers View	1	1
HTML (Response) View	1	×
Response Validation	1	1
Cookies Support	V	V
Cache Support	1	V

<sup>&</sup>lt;sup>6</sup> HP Quality Center can run WebLOAD, a script has to be written



	WebLOAD	LoadRunner
Multiple IP Address (IP Spoofing)	1	×
Recording Features		
Browser-based recording	1	1
Native Mobile Recording	1	1
Insert Transactions during recording	1	1
Developing/Debugging Environment		
Access to the script	<b>1</b>	<b>√</b>
Quick scripting building blocks	1	1
Intellisense/Auto-completion editor	1	1
Context-sensitive Help/Tooltips	1	1
Debugging	1	1
Breakpoints	<b>V</b>	×
Watch (Variables Value)	<b>V</b>	×
Step-by-Step	<b>√</b>	<b>√</b>
Scripting Language		
JavaScript	<b>V</b>	X
Java	<b>V</b>	1
С	X	<b>√</b>
Automatic Data Correlation	<b>√</b>	<b>√</b>
Manual Data Correlation	<b>√</b>	<b>√</b>
Parameterization	<b>√</b>	<b>√</b>
Synchronization/Rendezvous Points	<b>√</b>	<b>√</b>
Think (Sleep) Time	<b>√</b>	<b>√</b>
Transactions	<b>√</b>	<b>√</b>
User-defined Timers	<b>√</b>	<b>√</b>
Test Configuration & Scheduling		
Goal-Oriented Load Testing	1	V
Test Execution		
Real-time server-side monitoring	1	V
HTTP statuses reporting and logging	<b>√</b>	1



	WebLOAD	LoadRunner
Integration with AppDynamics	<b>1</b>	<b>1</b>
Integrated Reporting Manager	<b>1</b>	<b>1</b>
MIX execution	<b>1</b>	<b>√</b>
Cloud load generation	<b>√</b>	×
Probing Client	<b>1</b>	X
Throttle control	1	X
Test Results Analysis & Reporting		
Dynamic and easily customizable reports	<b>1</b>	<b>√</b>
Predefined Reporting Templates	<b>1</b>	<b>1</b>
Custom/user-defined Reports	1	1
Reports Exporting and Publishing	<b>1</b>	<b>√</b>
Comparison and Regression Analysis	<b>1</b>	1
Support & Maintenance		
Online (customer portal)	<b>1</b>	<b>√</b>
Phone	<b>1</b>	X
Email	<b>1</b>	<b>1</b>
Community (chats, forums, user groups)	X	1
Documentation, tutorials, help files	1	1
Expert level (tier 2,3) support on a first call	1	X

