

WebLoad vs. Load Runner

In-depth Comparison

WEBLOAD



Load Runner

This document provides a detailed comparison of WebLOAD vs Load Runner.

Summary

This whitepaper presents a detailed comparison between WebLOAD and LoadRunner, highlighting key factors that influence enterprise decisions in selecting performance and load testing solutions. With WebLOAD's proven track record of surpassing LoadRunner in features, efficiency, and customer support, it is the preferred choice for industry-leading companies like GE Healthcare, Merative, Go Daddy, Intel, Ellucian, and Florida International University.

Introduction

In the digital landscape, maintaining seamless application performance is paramount. WebLOAD and LoadRunner have been at the forefront of performance and load testing tools. This document explores their capabilities and real-world applications, providing stakeholders with insights into why companies, including market leaders, are transitioning to WebLOAD.

Evaluation Criteria

The comparison focuses on:

- **Features: The range and effectiveness of testing capabilities.**
 - Correlation Engine** – Best one (Budget vs Functional perspective)
 - Dashboard** – The ability to do a lot of Rapid evaluation – i can run a test and another one and compare between them. As a trend across multiple tests. So you can see a trendline. AI Based Analysis.
 - Scripting language** – JavaScript
 - Highly Flexible Hybrid Deployment model** – On-Prem and SaaS. You control some of the stuff, when it comes to load generators, you use cloud load generators.
- **Cost of Ownership:** The total investment, including hidden costs related to infrastructure.
- **Technical Support:** The quality and responsiveness of the support services.

Features

WebLOAD's efficiency and comprehensive feature set have made it the preferred choice for major enterprises. Companies like GE Healthcare and Intel have found that WebLOAD's efficient resource utilization and advanced testing capabilities offer a significant advantage over LoadRunner, especially in complex and high-volume testing environments.

Cost of Ownership

WebLOAD's transparent licensing model, which contrasts with the potentially resource-intensive and costly nature of LoadRunner, has been a key factor for companies like Merative and Go Daddy in making the switch. These companies highlight the cost savings and resource efficiency as pivotal reasons for their transition.

Technical Support

WebLOAD's technical support is renowned for its effectiveness and efficiency, a major selling point for clients such as Ellucian and Florida International University. These clients praise WebLOAD for its rapid and expert support, far outpacing the service level experienced with LoadRunner.

Switching to WebLOAD

The transition to WebLOAD is made seamless with comprehensive training and support. Notable clients like GE Healthcare and Intel have successfully migrated to WebLOAD, citing the ease of transition and immediate gains in testing performance and efficiency.

Conclusion

WebLOAD stands out as the top choice for performance testing, as evidenced by its adoption by industry giants such as GE Healthcare, Merative, Go Daddy, Intel, Ellucian, and Florida International University. Its superior features, cost-effectiveness, and exceptional support make it the go-to solution in the market.

Feature Comparison Table

A detailed comparison of WebLOAD and LoadRunner's features shows why leading companies prefer WebLOAD. This section includes specific examples of how companies like Go Daddy and Merative have leveraged WebLOAD's capabilities to their advantage.

Features Comparison Table

✓ Fully supported out of the box ✗ Not Supported ⚠ Limited Support

WEBLOAD



Platforms

Windows OS

User Interface (Controller)	✓	✓
Execution Agent (Load Generator)	✓	✓

Unix/Linux (general)


Execution Agent (Load Generator)	✓	✓
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Protocols & Technologies

Web2.0 & Rich Internet Applications (RIA)

HTTP/HTTPs	✓	✓
HTML5	✓	✓
XML/SOAP	✓	✓
Adobe Flex/AMF	✓	✓
XML/SOAP	✓	✓
Web Services/WSDL	✓	✓
REST	✓	✓
WebSockets	✓	✓
AJAX (Asynchronous JavaScript and XML)	✓	✓
WebDAV (Web distributed authoring and versioning)	✓	✓
React	✓	✓
AngularJS	✓	✓
Single Page Application	✓	✓
Push Technologies	✓	✓

Features Comparison Table

	WEBLOAD	 LoadRunner
Java over HTTP	✓	✓
Adobe Flex/AMF	✓	1
Terminal Emulation		
Citrix ICA	ⓘ	✓
RDP (Microsoft Remote Desktop Protocol)	ⓘ	✓
SSH (Secure Shell)	✓	✓
Network Protocols		
FTP (File Transfer Protocol)	✓	✓
IMAP (Internet Message Access Protocol)	✓	✓
SMTP (Simple Mail Transfer Protocol)	✓	✓
POP3 (Post Office Protocol)	✓	✓
JDBC (Java Database Connectivity)	✓	✓
ODBC (Open Database Connectivity)	✓	✓
LDAP (Lightweight Directory Access Protocol)	✓	✓
TCP/IP, UDP	✓	✓
DNS (Domain Name Service)	2	3
IoT		
MQTT (Message Queuing Telemetry Transport)	✓	✓
AMQP (Advanced Message Queuing Protocol)	✓	ⓘ
Authentication		
SSL	✓	✓
NTLM	✓	✓
Kerberos	✓	✓
TLS	✓	✓
Basic	✓	✓

1 - Adobe Flex: LoadRunner has limitations in RTMP and RTMPT

2 - WebLOAD: scripting only

3 - LoadRunner: scripting only, building block available

Features Comparison Table

WEBLOAD



Applications

SAP NetWeaver	✓	✓
SAP GUI	⚠	✓
SAP Web, Web Dynpro	✓	✓
SAP Business Objects	✓	✓
Infor Lawson	✓	⚠
Ellucian Banner/Luminis	✓	⚠
Oracle PeopleSoft	✓	✓
Oracle PrimaVera	✓	⚠
Oracle JDEdwards	✓	⚠
Oracle Applications (Forms)	✓	✓
Oracle 2-tier	4	✓
Oracle Siebel	✓	✓
Oracle E-Business Suite (EBS)	✓	✓
IBM Maximo	✓	✓
Salesforce	✓	✓
Microsoft Sharepoint	✓	✓
.Net (C++,C#, VB)	✓	✓
NGINX	✓	✓
Node.JS	✓	✓
Apache	✓	✓
Apache Tomcat	✓	✓
JBoss/WildFly (RedHat)	✓	✓
Microsoft IIS	✓	✓
Oracle WebLogic	✓	✓
IBM WebSphere	✓	✓
GWT	⚠	✓

4 - Oracle 2 tier: WebLOAD manipulate the database via JDBC

Features Comparison Table

WEBLOAD



Wireless & Mobile

iOS	✓	✓
Android	✓	✓
Windows Phone	✓	✓
Blackberry	✓	✓

Multimedia (Voice & Streaming)

RTMP	✓	✓
RTSP/RTP	✓	ⓘ

Performance Monitoring (Server-Side) - System Resource

Microsoft perfmon	✓	✓
Linux/Unix SSH	✓	✓
Linux/Unix rstatd	✓	✓

Performance Monitoring (Server-Side) - Databases

Microsoft SQL Server	✓	✓
Oracle	ⓘ	✓
ODBC/JDBC	✓	ⓘ
PostgreSQL	✓	ⓘ
DB2	✓	✓
MySQL	✓	✗

Performance Monitoring (Server - Side) - Protocols

PerfMon	✓	✓
SNMP	✓	✓
SSH	✓	✓
JDBC	✓	✓
RSTATD	✓	✓
JMX	✓	✓

Performance Monitoring (Server-Side) – Application/Web Servers

ANY via JMX	✓	✓
ANY via SNMP	✓	✓
Adobe LiveCycle ES	✓	✓
Ariba (SAP procurement)	✓	✓
ATG Dynamo (Oracle eCommerce)	✓	✓
Broadvision (eCommerce)	✓	✓
ColdFusion (Adobe)	✓	✓
Fujitsu INTERSTAGE	✓	✓
GlassFish AS (Oracle)	✓	✓
IBM WebSphere	✓	✓
JBoss/WildFly (RedHat)	✓	✓
JonAS	✓	✓
Microsoft ASP.NET	✓	✓
SAP NetWeaver	✓	⚠
WebLogic	✓	✓
Apache	✓	✓
Apache Tomcat	✓	✓
Microsoft IIS	✓	✓
NGINX	✓	✓
Oracle iPlanet	✓	✓
Microsoft Windows Media Server	✓	✓
Real Networks RealServer	✓	✓
Tuxedo	⚠	✓
IBM MQ	⚠	✓

Integration & Extensibility

Command Line Interface	✓	✓
Open Architecture (Public SDK/API)	✓	✓
HP Quality Center	5	✓

3rdParty Tools Integration/Plug-in

AppDynamics	✓	✓
Dynatrace	✓	✓
NewRelic	✓	✓
Nagios	✓	⚠
Selenium	✓	✓
Ranorex	✓	⚠
Original Software TestDrive	✓	✓
PerfectoMobile	✓	✓
Jenkins	✓	✓
Bamboo	✓	✓
JUnit	✓	⚠
GIT	✓	✓
Eclipse IDE	✓	⚠
Visual Studio 2010 add-in	✓	⚠
JMeter	✓	⚠

Interoperability/Extensibility

COM	✓	✓
Java	✓	✓

General Features

Protocol-Level Testing	✓	✓
Distributed Architecture	✓	✓
Page Elements/DOM Access	✓	✓
JSON Object Access/Parser	✓	✓
XML Object Access/Parser	✓	✓
Java Object Access	✓	✓
Real Page/Browser View	✓	✓
Full HTTP Headers View	✓	✓

Features Comparison Table

	WEBLOAD	 LoadRunner
HTML (Response) View	✓	✓
Response Validation	✓	✓
Cookies Support	✓	✓
Cache Support	✓	✓
Multiple IP Address (IP Spoofing)	✓	✓
Recording Features		
Browser-based recording	✓	✓
Native Mobile Recording	✓	✓
Record from HAR	✓	✓
Record from Fiddler	✓	✓
Record from pcap	✓ ⁷	✓
Insert Transactions during recording	✓	✓
Developing/Debugging Environment		
Access to the script	✓	✓
Quick scripting building blocks	✓	✓
Intellisense/Auto-completion editor	✓	✓
Context-sensitive Help/Tooltips	✓	✓
Debugging		
Breakpoints	✓	✓
Watch (Variables Value)	✓	✓
Step-by-Step	✓	✓
Scripting Language		
JavaScript	✓	✓ ⁸
Java	✓	✓
C	✓	✓
Automatic Data Correlation	✓	✓
Manual Data Correlation	✓	✓
Parameterization	✓	✓

7- via HAR Conversion

8 - LoadRunner supports JavaScript for HTTP/Web Protocols only


Features Comparison Table



	WEBLOAD	LoadRunner
SLA	✓	✓
Network Emulation	✓	✓
Synchronization/Rendezvous Points	✓	✓
Think (Sleep) Time	✓	✓
Transactions	✓	✓
User-defined Timers	✓	✓
Test Configuration & Scheduling		
Goal-Oriented Load Testing	✓	✓
Test Execution		
Real-time server-side monitoring	✓	✓
HTTP statuses reporting and logging	✓	✓
Integrated Reporting Manager	✓	✓
MIX execution	✓	✓
Cloud load generation	✓	✓
Probing Client	✓	⚠
Throttle control	✓	⚠
Test Results Analysis & Reporting		
Dynamic and easily customizable reports	✓	✓
Predefined Reporting Templates	✓	✓
Custom/user-defined Reports	✓	✓
Reports Exporting and Publishing	✓	✓
Comparison and Regression Analysis	✓	✓
Web Controller	✓	9
Support & Maintenance		
Online (customer portal)	✓	✓
Phone	✓	⚠
Email	✓	✓

9 - Only if purchased as part of Performance Center

Features Comparison Table

	WEBLOAD	 LoadRunner
Documentation, tutorials, help files	✓	✓
Expert level (tier 2,3) support on a first call	✓	ⓘ