

# ORACLE LOAD TESTING FOR WEB APPLICATIONS

## ORACLE ENTERPRISE MANAGER

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### FEATURES

- Automates testing of the most complex Web applications and Web services with robust test scripts
- Simulates hundreds to tens of thousands of users while minimizing the hardware required
- Gathers critical performance metrics to identify bottlenecks
- Simplifies accessibility with an intuitive Web based user interface
- Allows distributed users to share testing results during live testing

### BENEFITS

- Maximizes application performance by allowing developers to tune the application under peak load conditions
- Improves application response times by quickly identifying and addressing bottlenecks
- Pinpoints hard-to-find bottlenecks at the back-end application infrastructure
- Reduces testing time by enabling collaboration with real-time test results via the Web

*Oracle Load Testing for Web Applications allows you to easily and accurately test the performance and scalability of your Web applications and Web services. Oracle Load Testing for Web Applications not only stresses your application to simulate the impact of end-user workloads, but also enables rigorous validation that protocol-based legacy client server testing tools cannot provide. Oracle Load Testing for Web Applications is a component of Oracle Application Testing Suite, the centerpiece of the Oracle Enterprise Manager solution for comprehensive testing of packaged, Web and service-oriented architecture-based applications.*

### Load and Performance Testing with Oracle Load Testing for Web Applications

Oracle Load Testing for Web Applications is the easiest way to validate the performance and scalability of your Web applications and Web services. It can simulate thousands of virtual users accessing the application simultaneously and measures the effect of the load on application performance without requiring a substantial hardware investment.

The realistic usage scenarios in Oracle Load Testing for Web Applications can handle even the most complex Web applications. By utilizing a unique virtual users capability that encompasses many parameters (including configurable browser types, connection speeds, and think times), testers can interact with the Web application just like real users will to understand exactly how the application will scale under peak load conditions. The solution's virtual users can generate multithreaded browser requests while performing rigorous functional validation under load conditions—validation that protocol-based legacy client server testing tools cannot provide. Oracle Load Testing for Web Applications can also be used to test the performance of Web service interfaces by simulating thousands of concurrent clients accessing SOA-based applications.

Easy to use and accurate, Oracle Load Testing for Web Applications maximizes your application performance by giving you the ability to tune your application under peak load conditions.

### Web-Based Reporting Interface

Oracle Load Testing for Web Applications's intuitive Web-based reporting interface provides graphs and reports that enable testers to analyze application performance during a load test. From any Web browser, users can easily configure load tests, set

up server monitors, run tests, and view real-time and post-run results. Oracle Load Testing for Web Applications helps distributed teams reduce the time and complexity of live load tests by enabling collaborative testing. It promotes team interactions for more productive analysis, diagnostics, and tuning during the entire live test process.



**Figure1. Oracle Load Testing for Web Applications: Load and performance testing**

### Infrastructure Performance Monitors

Oracle Load Testing for Web Applications also offers a comprehensive set of infrastructure performance monitors that record in-depth performance metrics of Web servers, application servers, databases, and other infrastructure components during the load test. When this information is combined with the results gathered by the virtual users, developers have the real-time information needed to analyze and ensure optimal application performance during and after test execution.

Additionally, Oracle Load Testing for Web Applications facilitates customized post-run reports on the results of load tests. These reports correlate user response times with performance statistics collected from the various tiers of the system to identify and diagnose performance bottlenecks.

Oracle Load Testing for Web Applications enables you to make critical decisions about system architecture, tuning, and hosting alternatives. It pinpoints bottlenecks that could limit performance and cause application slow-downs. With the ability to tune your application under peak load conditions, you can ensure the health of critical business applications that drive your revenue.

### Contact Us

For more information about Oracle Load Testing for Web Applications and Oracle Enterprise Manager please visit [oracle.com](http://oracle.com) or call +1.800.ORACLE1 to speak to an Oracle representative.

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