



HP TruClient Technology for Testing Modern Applications

Eliminates complex programming for faster time to market

Overview

New HP TruClient technology reduces application test cycles by simplifying one of the most time-consuming tasks – the creation of scripts for performance testing – and is now available within [HP LoadRunner](#) and [HP Performance Center](#).

Although modern testing tools have simplified the process of capturing test scripts by recording a user's interaction with an application, there is still a significant amount of programming required to make scripts usable. This is especially true for modern Web 2.0 applications, where current scripting methods are often unable to accurately capture all user interactions with the application. Programming scripts is time consuming, requires skilled technical experts, and for Web 2.0 applications, it is often inaccurate.

Integrating the script recording and editing process enables clients to customize tests as they record interactions with the application. This streamlines the scripting process to reduce testing time and shorten release cycles. Faster, easier scripting also improves efficiency in organizations using Agile methods.

HP TruClient technology can precisely and efficiently test all types of Web 2.0 applications, regardless of the framework or toolkit. Reliable, accurate performance testing early in the application life cycle eliminates potential problems throughout the application's life.

Simplicity – no technical expertise needed

Moving the scripting process to the browser enables novice and non-technical users to participate in script creation. The user simply interacts with an application, and HP TruClient captures every step in the form of a script. The patented scripting engine eliminates the need for correlations and complex programming to make scripting easier. This enables users with limited programming skills to create scripts for testing applications and ensure the applications will meet current business needs.

Leveraging non-technical resources for the scripting process also enables organizations to focus highly skilled programmers on advanced and more technically

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demanding tasks.

Speed – test faster, reduce time to market

Dynamic, interactive user interface level recording makes scripting much faster. By shortening the test cycle times, organizations are able to push applications to production faster, thereby reducing time to market. More robust scripts mean that companies leveraging Agile methodologies can also test earlier in the life cycle, improving the quality of applications.

Accuracy – reliable testing for Web 2.0 applications

Web 2.0 has provided a new way of developing and using web applications – from simple, static methods of retrieving and delivering information to highly complex, interactive, user-centric, collaborative web applications. HP TruClient helps address the complexity of the new technologies as well as the ever-growing number of toolkits, making it possible to efficiently test these complex applications.

HP TruClient technology supports simple web as well as modern JavaScript-based applications. It utilizes a unique, patented approach to object recognition that provides clients with a flexible and extensible solution for testing Web 2.0 applications. HP TruClient supports the industry's broadest range of applications and protocols, including new Web 2.0 technologies as well as legacy application technologies for faster time to market.

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