Browser-based testing with TruClient

Go beyond basic testing capabilities with the industry's most robust browser-based testing solution

Benefits

- Easy to use, regardless of skill level
- Identify opportunities for improvement through powerful client-side metrics
- Simulate real user behavior
- Test mobile apps and sites
- Gather end-user and performance insights through synthetic monitoring

Consumers expect a quick, quality experience. Teams must be able to accurately simulate customer experience on any application or device. They need an efficient, easy-to-learn tool to do this, as there's no time for extensive training.

TruClient™, a tool in OpenText™ performance engineering solutions, provides powerful scriptless testing capabilities, such as real browser-based application interactions that record and emulate user actions.

Should the need arise during the scripting process, TruClient offers the ability to add custom Java™Script, use specialized synchronization options, and leverage API utilities for advanced customization. TruClient uses commonly available web browser technologies when recording and emulating user actions, assuring compatibility with most tested applications. It's the ideal choice for complex applications, such as those based in Java™Script. In addition to web-based applications, TruClient can be used for synthetic monitoring and mobile application testing.

TruClient also allows for simple, quick recording and testing by users of varying skill levels. From beginner or non-technical users to seasoned performance engineers, TruClient's user friendly editing interface allows everyone to participate in the testing process. Shorter scripting cycles, along with a reduced user skill set requirement, add up to both time and cost savings within your organization.

Easy to use, regardless of skill level

TruClient was designed to simplify the performance test script creation and execution process and is well known within the performance testing industry for its reliability and ease of use.

Its intuitive interface allows testers to record, edit, and replay user interactions for web and mobile applications with ease. A built-in actual web browser interface doesn't require manipulation of dynamic content or parameterizations. At the same time, advanced customizations are possible through built-in utilities and APIs.

This dramatically reduces the need for deep technical knowledge of the application under test and associated dynamic variables. Manual script correlations are unnecessary since TruClient relies on the GUI level. TruClient's visual script development environment further enhances usability by using easily identifiable UI elements, facilitating seamless editing of user actions.

Powerful client-side metrics

TruClient captures a variety of client-side metrics that are essential for understanding the performance and user experience of web and mobile applications. When included as part of the overall performance test, these metrics, such as rendering time, user think time, and Google's Largest Contentful Paint, provide additional insights into how an application is performing from the user's perspective. Teams can identify areas that may need additional optimization or resolution, helping deliver a superior user experience.

Simulate real user behavior

When TruClient scripts are included in OpenText performance engineering scenarios, testers are allowed to automate and simulate realistic user behavior and measure the performance of web and mobile applications under load. This can also be enhanced by using load generators that reside in different geographic locations. TruClient scripts can also be enhanced by accurately simulating different real-life network conditions using built-in network virtualization capabilities.

Support for mobile testing

TruClient offers unique capabilities when recording and replaying native mobile applications and mobile web applications. TruClient Mobile Web offers a similar browser-based experience to regular TruClient, but with a specific mobile browser interface simulation that allows for more precise recording and emulation of mobile-specific actions.

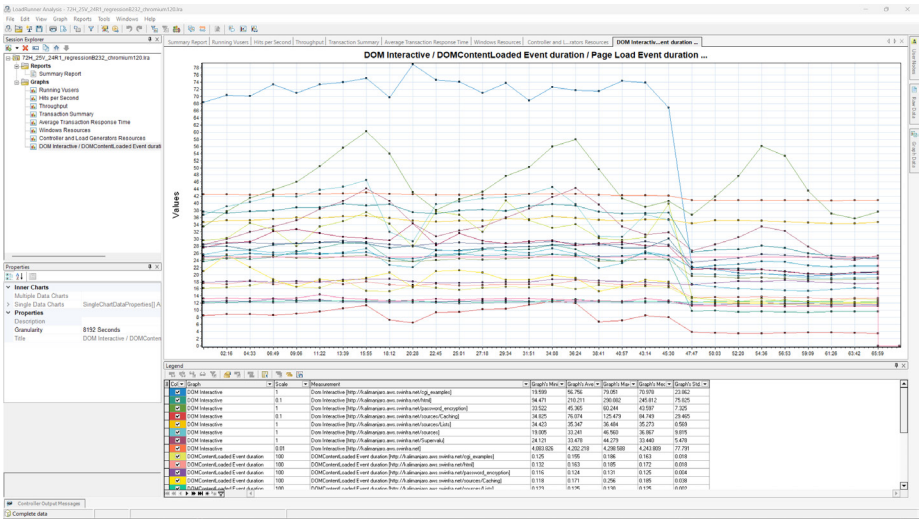
TruClient Native Mobile provides support for recording and emulating iOS® and Android™ mobile applications on mobile devices. When integrating an OpenText performance engineering scenario with OpenText™ Functional Testing Lab for Mobile and Web, TruClient Native Mobile scripts can emulate user actions on mobile applications using actual model-specific mobile devices.

Synthetic monitoring

TruClient scripts can also be used for synthetic monitoring by natively integrating them into OpenText's application performance monitoring solutions. This is accomplished by emulating recorded actions at prescribed times from various geographic locations, providing valuable insights into the end-user experience. This helps identify performance issues before they impact end users. The ability to reuse assets enables collaboration and maximizes efficiency.

Resources

Visit OpenText™ Performance Engineering web page ›



Browser-based testing capabilities in TruClient have been helping customers emulate real user experience for decades. What sets TruClient apart is its robust client-side metrics. The value users get from true client-side metrics, like Google's Largest Contentful Paint, cannot be overstated. They are not integrated with any other solution on the market. TruClient's unique mobile web and native mobile web application testing provide accurate recording and emulation of mobile-specific actions.

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