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The Duties and Advantages of Web Applications by Betsy Zikakis

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Many owners of websites have made a name for themselves by making interactive web applications that help their users accomplish a range of tasks, from putting together blogs to creating websites to even overseeing online content management systems for e-commerce. Before an application is set to hit the website, a software engineer will go over the program to see that no glitches are present to ensure that the folks who use it get the best possible experience. While an engineer tries to resolve most of these issues before everyday individuals discover them, complications will arise because of the nature of some applications, especially web-based applications that require servers to handle the hundreds of people trying to use a program at any given moment. Engineers need reliable load test software to examine the online application, ensuring that it operates smoothly, and to test several aspects of an application in order to remove any problems that may arise.

What Are Web Applications?

Web applications are simple add-ons that individuals can download onto their computers and use to accomplish some software-related goal, e.g. create a website, host a blog or oversee an e-commerce website. A majority of online applications are free and serve as open-source programs that let folks make a personal project and share it with other community members to either use or enhance an idea. Since thousands of other people are looking to use an online application at any given instant, it can make for unique problems that a software engineer must resolve. With so many individuals using the application at once, problems will occur, prompting companies to hold some kind of web load test, such as SOASTA performance testing, to ensure the application is running as it should be.

Stress Exerted on a Web Application or Site

The more people that visit a website to use an application, the more stress is placed on a server, which can crash if it is not well prepared; this is where the performance engineer comes in to help.

Performance engineers attempt to study a variety of scenarios involving an application, using different sorts of mobile application testing tools to see how the servers and app are dealing with the added stress of several visitors. An engineer will also study how different web browsers and operating systems can affect the load and speed of an online application to make certain that no matter what OS or browser the individual is attempting to use the program with, no issues occur. In order to better serve the individual looking to use the application, an engineer will use testing tools that allow him to collect data quickly to ensure he resolves any issues as fast as possible. Every day, hundreds of engineers wake up and use these specialized testing programs to ensure that the folks who visit and utilize these websites and applications receive the best experience possible.

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Betsy Zikakis - About Author:
a titleSOASTA performance testing SOASTA, performance testing pioneer, provides the industry's leading a titlemobile application testing tools mobile application testing tools service used by organizations to optimize the performance, scalability and reliability of their websites and web

applications. SOASTA CloudTest leverages the resources of the Cloud for load and performance testing. CloudTest accurately simulates traffic hitting a website or application from outside or inside the firewall, testing both lab and production environments. CloudTest Analytics combines key performance metrics with monitored system data for identifying issues while a test is running.

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