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Determining What Technique of Server Testing to Execute by [Betsy Zikakis](#)

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To be able to maximize efficiency in cloud based computer systems, load testing is always used. Different methods and pieces of computer software have come about given the ever expanding need of high quality testing for every condition. Examining each of the options will make it obvious which option is the best for the situation at hand.

In the past, these tools were often very complex and expensive, and the high cost spawned testing service businesses that still operate today. Very small companies have recently appeared since there is currently surprisingly low cost or free software that is available to anyone. There is an enormous variety of server testing products, and there are even professional open source programs that can do everything absolutely free. Because these software tools are so readily available, many companies may think about doing all the testing themselves.

Accurate tests can often not be performed by companies themselves since they do not have the experience, software and resources needed to conduct realistic tests. Although there are a few different open source and affordable options available, they are becoming more and more complicated to test the many different features that contemporary servers use. Tests must always be run on fully committed systems and Internet connections to genuinely emulate users performing different tasks on the systems. Outsourcing the work usually costs much less than developing an internal department to carry out this testing. Since the division will always have work and testing to do, they are the most cost effective for a company that will always be adding complex server systems.

The main providers of performance testing tools have just lately started combining many products into one total suite of testing tools. This approach allows an easy way to build an elaborate testing rig without leaving anything out. Dedicated server testing companies usually own a few different pieces of software to conduct a load test, and each supports testing various server systems that exist. Small departments do not allow adequate testing to balance out the cost for setting it up, and with the reach of outside companies and small costs they should generally be used. Because there are many differently scaled companies that perform these tests, these firms can provide an affordable way to test a little office server or an enterprise international company network.

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SOASTA, cloud testing pioneer, provides the industry's leading mobile app testing 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 and utilizes a [website load test tools](#) and a [website performance testing tools](#). 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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