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More and more students are opting to skip the traditional class setting and take an online course. Instructors, administrators and networking technicians all need to collaborate to make the online class work. Technicians must ensure that students submitting homework or attempting to download a file don't wind up with an error screen.

Instructors must keep technicians informed of any errors encountered, especially during heavy traffic times. Preparing an online course or an e-learning website can present several issues, especially since e-learning covers the gamut of different industries, from classes to application submissions.

Preparing an Online Course

I.T. professionals understand the ins-and-outs of setting up an online course, but more importantly, all of them understand the delicate requirements necessary for ensuring the proper testing of each site. An individual may one minute be preparing to test the loading screen for online assignments, and the next, organizing the submission screen.

Each button, screen and page can experience errors, which must be sorted out before students start enrolling. Failing to sort out these bugs can cause the system to crash or malfunction when one is attempting to switch pages or complete assignments, causing frustration and anger among the attendees.

Load Testing Software

I.T. professionals will rely on software such as the SOASTA web load testing software program that helps test a range of different issues that can be encountered during the setup process. Whether it's testing the system in real time or pinpointing where a problem is coming from, there are many things that professionals can and will do before it's too late and long before students quit in anger. Load testing software offers a fast, reliable solution to resolving issues seen among the e-learning community, and everything from online courses to application processes comes with its own set of problems.

Stress Testing

One main testing aspect engineers focus on is sorting out the levels of stress a website can endure. On a typical day, most university websites can generate a few thousand unique traffic hits. On a busy day, traffic can reach well into the tens of thousands, causing a website to slow and even crash. For an engineer, sorting out these issues by conducting stress tests helps ensure that a website will stay running smoothly, especially on important days like college application due dates. An engineer might be using mobile app testing software with TouchTest Technology to ensure that the website runs smoothly on a mobile phone or tablet with few hiccups.

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SOASTA, cloud testing pioneer, provides the industry's leader in a [web load testing software](#) and a [mobile app testing software](#) services 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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