

Clear Measure enables a top-tier Texas university to perform cloud-based load testing using Azure DevOps

THE COMPANY



A comprehensive health science university, with a mission to educate health science professionals, discover and translate advances in the biomedical and social sciences, and model the best practices in clinical care and public health.

Texas' resource for health care education, innovation, scientific discovery and excellence in patient care.

THE CHALLENGE:

The client's existing system was unable to support the growing number of concurrent users, leading to performance degradation and system downtime. The client needed a solution that could handle high loads and provide a scalable, resilient environment for their LMS system.

THE SOLUTION:

Clear Measure implemented a cloud-based load testing solution using Azure DevOps. This solution allowed the client to simulate high loads and identify performance bottlenecks. The solution was based on user analytics and user feedback of the systems.

THE BENEFITS:

The client was able to take the phase 1 test results and make necessary updates to the TECPDS system. These updates enabled the system to support up to 400 concurrent users at any given time, providing a performance increase of over 600% from the previous test results. Clear Measure was able to increase the LMS system's CPUs from 4 to 8, ultimately improving performance throughout the web application. However, we recommended that target user counts remain below 200 concurrent users per server. Additionally, we recommended running LMS on a web farm to improve performance and provide resiliency and scalability to the current system.