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:

FZWU'[Wf S` f[UbSfW S e[Y [X[US` f geSYW' UdWSe\a` fZWd >Wd [` Y? S` SYW WfEkefW /> ? Efl S` VFWSe 7Sd'k 5Z['VZaaV BcaXWe[a` S^6 WlWab_ Wf EkefW /F75B6 Efibda VgUfe fZSf i WlW [` fWdSfW [` fa fZWd_ adWa_ bdWWe[hWbda VgUf 5>; 7` YSYW FZWYaS^i Sefa Wb'adWS` VhS'[VSfWWfZWgbbWfZdWZa'VaXfZW geWdUSbSU[fk XdTafZ >? ES` VF75B6 EekefW eS` V_ S] W dWa_ _ WVSf[a` efa SUUa_ _ aVSfWbda\WfW Ydai fZž

THE SOLUTION:

5'WSd? WSegdWbdabaeWi W`S bb bWXad_ S` UW'Wf[`Yi [fZ 3lgdW 6WMbe TWSSgeWW'f ZSe G; i W`f WS`'YS` V'aSV fWf[` Y Ua_ ba` WfeTg['fŽ`žž5'WSd? WSegdW<br>5'WSd? WSegdW ZSVESV'WSV k Tg['f S fWf[` Y ZSd WSX`dS bdWaage\age bca VWfZ`VWlWadW WfZ`VWdagVŽ'JSW W fWf [_ b'W'WSf[a` i SeSWW_ 'WebcaUWéž8gdfZW'_ adWi W efdSfW [US`^k U'a` efdgUfWSWW[f[a` S^fWf UaeWfa fWf fZW+? ES` V F75B6 EekefW ebased 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.