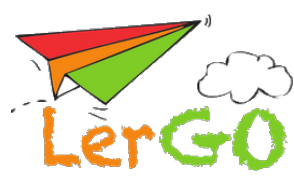


SECURING HIGH PERFORMANCE WITHIN AN INCREASED LOAD ENVIRONMENT LERGO CASE STUDY



Nava Levy - Founder, LerGO - Educate Yourself

LerGO is an EdTech company enabling educators from Israel to create, distribute and assign online interactive lessons. Students use LerGO to self-learn school subjects anywhere, anytime, from any device.

“Thanks to Radview’s powerful performance and load testing solution together with its excellent support, we were able to quickly identify bottlenecks and their root cause, enabling us to deliver a flawless user experience under heavy load.

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The Results

Quickly identified and resolved bottlenecks

In just a few days, LerGO was able to provide optimal response time and user experience even when under heavy load. These fixes had the benefit of improving performance also when not under heavy load by reducing latency/response time also for a single transaction / user.

350% capacity gains

By resolving its bottlenecks, LerGO improved capacity by 350% in terms of concurrent users and without significant increase in infrastructure cost.

Flawless performance

Performance improvements enabled LerGO to deliver flawless user experience to teachers and students during several subsequent COVID-19 spikes.

THE CHALLENGE

LerGO provides students and teachers with an online interactive education platform. Due to Coronavirus and the move to remote learning, LerGO experienced a huge spike in usage which resulted in deteriorated performance - very slow response time. We had to quickly identify the issues and resolve them:

Identify bottlenecks and their root cause

“We needed to quickly identify the bottlenecks causing our performance issues and resolve them immediately.”

Collaboration of DevOps and manual QA

“We wanted participation in this effort of the whole team - DevOps, developers and manual testers.”

Simulate massive load and analyze results

“We had to affordably simulate a massive usage load of complex user scenarios and analyse the results to identify the root cause.”

Capacity testing and planning for the future

“We also wanted to ensure site resilience in the future and understand how much it would cost us.”

THE SOLUTION

RadView’s powerful enterprise-grade performance and load testing solution, Radview WebLoad, together with its world-class support, provided LerGO with an easy, fast and reliable solution for their load testing needs:

Easy design and execution of load tests with powerful reporting analytics

“With Radview’s powerful yet flexible load testing solution and amazingly responsive customer support, we quickly designed the load tests and executed them. With automatic correlation, parameterization and response validation we were able to implement reliable tests that simulated the load of real user scenarios. We used its reporting and analytics to pinpoint the bottlenecks and their root cause in no time”.

“Thanks to WebLoad’s combination of script based testing and codeless approach, our manual tester could define even the most complex scenarios without the need to code, offloading a lot of the time consuming effort from DevOps.”

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Multiple load generators over AWS

LerGO simulated 2,000 concurrent virtual users using load generators that scaled On Demand over AWS: “This was a huge cost saving as it saved us buying the infrastructure for the load generators which were allocated on demand.”

Easy migration from JMeter

“Once we made the decision to move from JMeter to Radview WebLoad we never looked back”.

“Radview WebLoad saved the day! We experienced a huge spike in usage following COVID-19 lockdown and the move to remote learning. To our dismay our site could not endure this load and we had to quickly figure out what is causing our performance issues. Using Radview’s flexible load testing solution we were able to quickly generate massive and realistic load, pinpoint all issues and resolve them in no-time.

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