ClassBoost Case Study:
Learn how Cloudride helped ClassBoost to seamlessly scale its Online E-Learning Platform

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The end result was surprisingly good. CloudRide and AWS's collaboration in building the process eased project challenges and accelerated the decision-making process. I was surprised by the amount of traffic we were able to pass through, especially compared to how limited we were in the past without knowing. With CloudRide's solution, we were able to provide continuous fast traffic and a larger number of users, especially during this time that all the studies went to video.

Eyal Knaan,
CTO Classboost

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CHALLENGES ⌄

ClassBoost's infrastructure was built on "Private datacenter". The infrastructure was not designed to support significant fluctuations in traffic at the scale needed for traffic peaks, causing system overloads, slow/blocked downloads, and cut-off in video content, thus leading to overall instability and decreasing user satisfaction during high-demand times.

GOAL ⌄

Building a scalable, robust cloud infrastructure to support peak usage times, while maintaining top security standards and flexible cost efficiency, balancing between routine platform use, and peak periods

Cost Efficiency   Flexibility   Scale

Results

80 TB
Migration Size

3 WEEKS
From Plan to
Full Migration

"

I found Cloudride's architect to be a professional partner that is fun to work with. Kirill provided us with professional service and response and delivered results shortly after the project began.

Eyal Knaan,
CTO Classboost

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WITHIN 4 DAYS CLASSBOOST PROVIDED 1.5TB VIEWING TO THE PLATFORM USERS.

aws partner network

CLOUDRIDE

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SOLUTION

Together with ClassBoost, Cloudride's architecture experts set out a plan to move the entire platform to the public cloud without changing the architecture.

However, during the transition, we discovered that the amount of information to be collected in the cloud is appx. 85 terabytes, together with the challenges of maintaining impeccable user experience considering the large amounts of continuous system access during the migration.

There were a lot of glitches in the local data center, slowdown and loss of information and we gave a solution to stabilize the system and protect the information.
We maintained the client's existing architecture while changing and improving services within the system.
The enrichment rose as IAAS, we provided servers and storage services on Amazon Web Services and offered the use of Amazon Cloudfront to facilitate the servers, Amazon S3 for managing permissions (who can do what within the Amazon Cloudfront system) and content to preserve content that is already drawn in the evening sp it does not have to go through the attraction again, plus information protection services like AWS in Cap.
We backed up via Amazon S3 preventing users from deleting files and making a copy in the glacier as a backup service - in case a disaster recovery plan will need to be implemented. Most of the client's problems focused around slowdowns / blocked processes on the previous server, it took a long time to provide a snap to the surf.

To optimize cost control and flexibility - we concluded scalability controls so that ClassBoost can increase and decrease servers according to the actual need, thus ensuring both maximizing scalabilities, while maintaining full control over ongoing costs. After Amazon Cloudfront's rollout and WOWZA's customization, ClassBoost discovered that they could now support much larger amounts of traffic than expected.

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> As a certified Amazon partner, and with the importance of carrying out an optimal migration, within a short timeframe and accurate budget, while the platform is in peak demand, we worked closely with Amazon from the very beginning, in close collaboration.
> Amazon has supported the deployment process, from the architecture review, ongoing support during the project until the go-live.
> "
>
> Danny Lev Ran
> CEO, Cloudride

Shem veNer Case Study:
Scaling site availability to improve Traffic Capacity

REACH OUT

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OUR 6 MILLION
A Candle for Every Name

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