Here's how Shri Educare achieved a **99% video playback rate**

ABOUT THE COMPANY

Shri Educare Limited is a premier education consulting firm set up by the Arun Bharat Ram family in 2008. SEL has been formed out of the promoter's commitment to expanding its reach by providing quality education. It is essentially engaged in providing advisory/ consultancy services for starting a school (Pre-school, K12) in India and abroad, providing ERP solutions to schools, undertaking education consultancy, and coaching students to prepare them for CBSE and AIEEE examinations.

AIM

During the lockdown, schools started using online classes to make sure they could continue teaching students. They also needed access to recorded lectures for future reference and incorporated them into their existing application so that it can be accessed no matter where you are or what device you use.

CHALLANGES

The Educare team faced several challenges when integrating their content with cloud storage.

They needed an application that had quick accessing speed, was globally accessible on any device platform (android/ios).

They also wanted to be able to provide easy accessibility no matter where you are located in remote areas of India or even internationally!

SOLUTIONS

1 We have used Amazon S3 (Simple Storage Service) for storing the data using AWS development kit. We did the POC which was successful and then we gave the solution. We managed to go live within 2-4 days.

2 We used the Asynchronous Upload method to integrate the application with the storage so that the same is accessible even at remote locations with weak connectivity. We also did content caching using AWS CDN for making content available at a faster speed.

3 We used AWS Elemental MediaConvert to ensure the content runs flawlessly over different platforms – iOS & Android.

RESULTS AND BENEFITS

The application has been integrated with the cloud storage and achieved the following outcomes-

20%
Optimized Cost

99%
video playback

40%
Reduced seconds of buffering

100%
Content Availability across platforms

FUTURE SCOPE

As the content keeps getting updated and renewed, the previous content would consume a lot of space in the standard storage. So, we will be archiving the old content to another tier of storage – AWS Glacier, which is more economical than S3.

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