

Vinschool scales 1.5 times faster and reduces manual operations by 70% with AWS

Challenge

Vinschool's expansion created a need to establish a centralized IT system for critical activities including administrative management, teaching and learning management, and logistics management. Vinschool required a high level of automated continuous integration and distribution processes (CI/CD) in their centralized IT system.

Before migrating to Amazon Web Services (AWS), Vinschool used a platform provided by a domestic cloud-based partner. Relying on an outsourced IT company hindered Vinschool's ability to deploy new software, affected the operational efficiency, and reduced satisfaction for students and parents.

Solution

Vinschool engaged OSAM, an AWS Advanced Consulting Partner in Vietnam, to build an IT infrastructure for Vinschool's SIS and streamline development process. OSAM suggested Vinschool use a range of AWS Code Services such as AWS CodeBuild, AWS CodeDeploy and AWS CodePipeline to automatically create, test, and deploy new software in a reliable and rapid way.

The software is deployed via Amazon Simple Storage Service (Amazon S3), closely monitored by AWS CloudWatch Events, which allows Vinschool to take advantage of auto scaling capabilities, while being able to detect and respond to anomalous behaviors in the environments. AWS CloudFormation is used to provision a variety of resources quickly and consistently, and manage them throughout their life cycles, using a CloudFormation template.

Benefits

- Enhanced Vinschool system transparency with an overview of system's operational health as well as data and information about deployment.
- Achieved continuous integration and deployment through unified visualizations and monitoring services.
- Gave Vinschool control over its product development and innovation.
- Scaled its CI/CD system 1.5 times faster than the outsourced system.
- Reduced manual hours by 70%.
- New features are continuously updated and operated, enhancing the efficiency of teaching and learning activities.

“ Thanks to the support of OSAM - Advanced Consulting Partner of AWS, Vinschool can migrate the SIS from the old platform to the new one quickly and safely. All of the development, test, and deployment processes on AWS are automated, which saves us time and human resources, and also accelerates the roll out of the new features to ameliorate the teaching and learning activities. ”

Mr. Van Hung Duong, Cloud Operations Administrator, Vinschool



VINSCHOOL

Customer: Vinschool

Industry: Education

Country: Vietnam

Website: <https://vinschool.edu.vn/>

About Vinschool

Vinschool is a nonprofit K12 education system, operating under and funded by Vingroup. The objective of Vinschool is to build a Vietnamese school with the highest international standards, a place where talents are nurtured and developed. Since its 2013 establishment, Vinschool has become the largest education system in Vietnam with 35 campuses, serving more than 30,000 students. Vinschool has taken an initial step in transforming Vietnamese education, both in curriculum and philosophy.

