

DIGITAL ENGINEERING: MIGRATING MULTI-TENANT SAAS VIRTUAL COMMUNICATION PLATFORM TO AWS FOR ENHANCED SCALABILITY

CLIENT:

A trusted provider of professionally managed virtual meetings and events, specialized in high-end virtual and hybrid events, bridging the worlds of real-time videoconferencing and livestreaming.

THE NEED:

The client's SaaS virtual communication platform boasts robust features for large-scale video conferencing, along with live and on-demand video streaming. Currently hosted on an on-premises physical infrastructure, the client seeks to transition the platform to the cloud. This migration aims to enhance scalability, minimize maintenance and downtime, and improve overall manageability.

SOLUTION:

Following a thorough assessment of the existing setup, we decided that AWS stands out as the optimal cloud solution to fulfill the client's requirements. To execute the migration, we adopted the lift and shift approach.

- In addition to configuring AWS, special attention was given to the installation of the client's platform services, ColdFusion and Wowza, ensuring adherence to best practices.
- We implemented Infrastructure as Code (IaC) on AWS to expedite service provisioning and configuration management. Key Management Service (KMS) was utilized to enhance security by safeguarding application keys and abstracting them from end-users.
- Active Directory was leveraged to secure access to Windows-based workloads, while the Content Delivery Network (CDN) was employed for caching, thereby reducing latency.

