

Bright Tutee was running their application through IP and was facing security threat challenges of code manipulation in their application and data protection from unwanted access. They were also facing higher response time challenges due to shared infrastructure. See how **MIND** has helped them to overcome these issues and made their application more secure and increased operational efficiency.



About Client

Bright Tutee is India's leading Digital Learning Platform which caters to the learning needs of class 9th and 10th students. Bright Tutee has hundreds of hours of high-quality online video lessons / lectures on board, along with MCQs, practice questions, and solutions, which seamlessly offer a 360° learning experience to our students.

Backed by a team of competent and experienced teachers and technologists, Bright Tutee, in a very short amount of time, has become a one-stop learning platform to get prepared for class 9th and 10th exams conducted by India's leading boards including CBSE, NBSE (Nagaland Board), ICSE, HBSE (Haryana Board), etc.

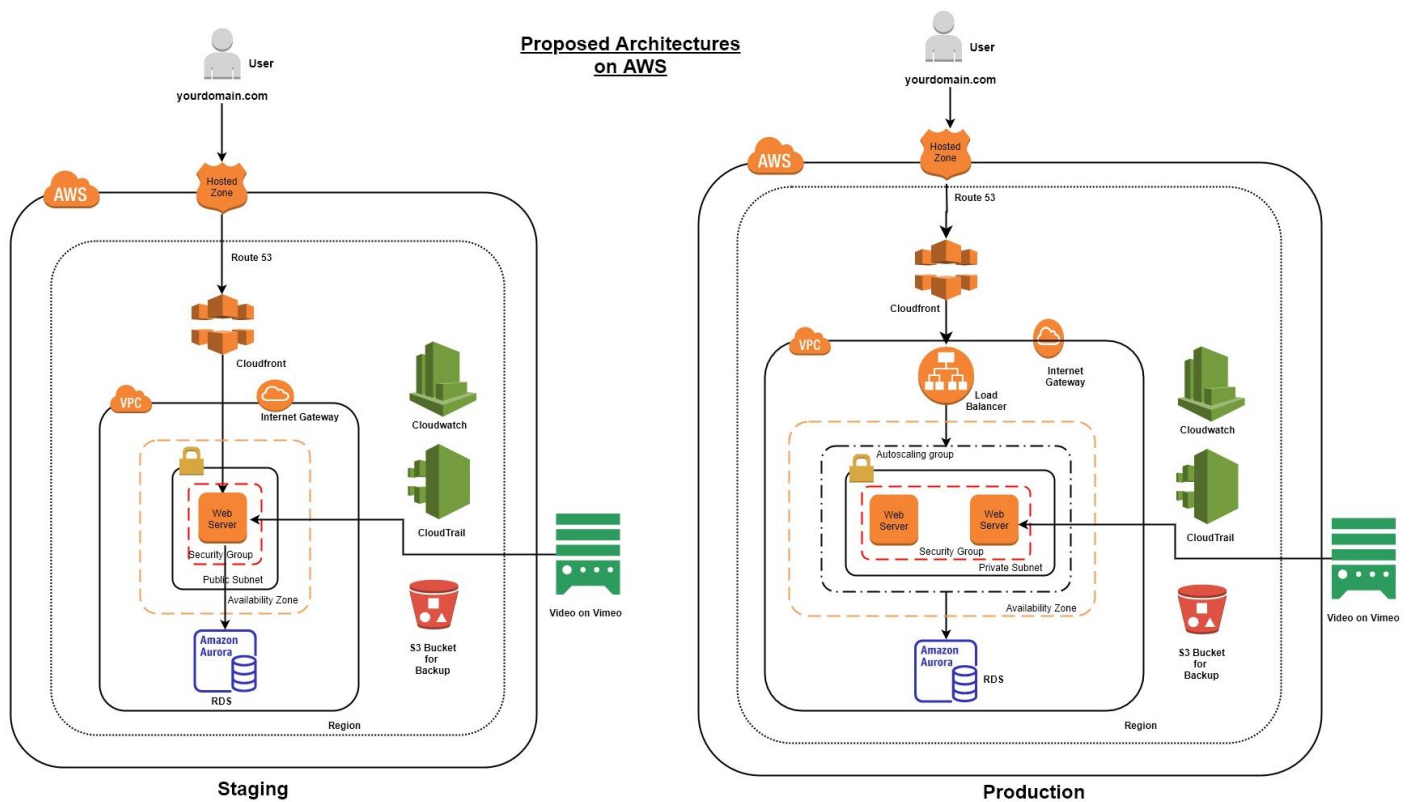
Key Challenges

-  Security threat of code manipulation and data protection from hackers.
-  Higher response time due to Shared infrastructure
-  Higher cost due to video-based content and fixed billing model
-  Performance issue during peak hours
-  Slow infrastructural change processes by existing infra provider
-  Lack of timely response from existing service provider support

Solution Proposed

- Hosted their application on highly secure zone with load balancer to prevent from security threats
- Appropriate scalable infrastructure to ensure consistence performance.
- Implemented CloudFront and provided Pay as go billing model to achieve appropriate cost
- Scaling during peak load for consistence performance even during peak hours
- Well-groomed certified resources for providing optimized infrastructure
- SLAs in place to achieve service excellence and timely response to issue raised

Proposed AWS solution architecture



Offered AWS Services

- ✓ **AWS CloudTrail** – For providing event history of AWS account activity
- ✓ **AWS CloudFront (CDN)**- to ensure consistence performance and to reduce load on backend server
- ✓ **AWS CloudWatch** – To continuously monitor the resources created for the application.
- ✓ **Auto scaling** – to provide scalability during peak load which helped in saving the cost
- ✓ AWS pay as go Billing and Cost Management console for overall account spend, workload cost and also usage of key resources

Objective achieved

- ✓ Performance got improved with appropriate scaled infrastructure, even during peak load
- ✓ Security Assurance and ease of data access by implementation of specialized AWS service like CloudWatch, CloudTrail and load balancer
- ✓ Bright Tutee saved cost on their consumption with the implementation of CloudFront (CDN) and AWS pay as go billing model
- ✓ With the implementation of AWS auto scaling feature, now the client doesn't need to worry about the increase cost or under-utilized resources