



Datacenter Migration & Database Re-platforming to AWS cloud

Our Client Profile

Our client is a very well-known organization in California, renowned for providing education publishing and assessment services to corporations and schools. They own multiple channels media brands and are available all across the globe. After selling one of their courseware divisions to a private equity firm, our client was facing problems regarding platform compatibility. Why? Because they have been using an on-premise data center facility. And, they wanted to have less maintenance cost, zero data loss, and robust backup protocols.

For a permanent solution, they contacted us. And we asked them to move to the AWS cloud. Right from administrative migration to data center migration, and database migration, we guided our client every step of the cloud migration and modernization journey.

Challenges

1. The whole process of migrating multiple applications and platforms to the AWS cloud was very time-consuming.
2. We also faced technical challenges like deployment architecture must be cloud-agnostic.
3. Poor application performance while accessing from different geographical locations.
4. Lack of documentation support and not required data for the on-premise data center.
5. It was very difficult to migrate to the new framework.



Our Approach

After an in-depth analysis, our solution architects immediately needed application migration, DB migration, testing approach, and URL migration. With the right knowledge and expertise, we provided multiple below-mentioned solutions to the client. Here they are:

Solutions

1. We rebuilt and re-architected multiple applications for our client.
2. Database PostgreSQL migrated to Oracle.
3. We delivered containerizations using Amazon EKS architecture.
4. Containerized applications are migrated to Jenkins and continuous integration to Jenkins continuous deployment pipelines.
5. While migrating to AWS, we used the mirroring approach.
6. Also removed dependency from the centralized data center.

Benefits

Our client migrated to AWS from on-premised saw benefits like:

1. Reduced operational cost with dynamic scaling.
2. Reduced business and operational risks.
3. Increased speed and agility.
4. Higher application performance.
5. More efficient and secured IT environment.

The Outcomes

1. Through CI/CD containerization, we helped the client reduce infrastructure cost by 31% and achieved better scalability support up to 10X.
2. It can support 100,000 requests/ second for microservices and capability to support a large number of data volume.
3. 120+ TB data migrated to AWS from the client's on-premise data center.
4. It increased economies of scale by 65% using the right combination of AWS services.
5. Ensured 99.99% availability of servers.

Get in Touch with us today
(201) 633 4050 | info@technosip.com

technosip
Trusted for 10+ Years

222 Broadway, 19th Floor, New York, NY 10038, USA
270 Marin Blvd, Jersey City, NJ 07302, USA

