

North American software product development company upgrades to serverless technology to reduce code deployment delays by **40%** with Nitor's customized Product Modernization services

About the Company



Chicago-based, boutique software product development company with eminent MNCs as customers



Flagship product provides analytics-driven talent management solutions to businesses. Product enables clients to identify, hire, & retain high-performing candidates for customer-facing jobs



Specialties include pre-employment assessments, hiring services, field services selection, and talent analytics

Business Requirements



01. Modernize web application, which includes 245GB of data and 27 databases, by migrating from Rackspace to AWS

02. Ensure zero system downtime so database access remains uninterrupted

03. Implement reliable load balancing techniques

04. Guarantee transition to new technology frameworks to ensure data security

05. Optimize costs and infrastructure maintenance



Business Challenges

- Vast amount of data, with largest database containing 450 tables
- Enduring problem of ensuring zero data loss and zero downtime for continuous database access
- Table-related errors of BLOBs and CLOBs affect system syncing
- Incremental, time-consuming backups demanding a scalable solution
- Inadequate documentation of components

The Nitor Approach



Discovery Phase

Performed comprehensive assessment of customer's current infrastructure & web application. Evaluated & determined the scope of systems modernization

Determined two paths to modernization, i.e. moving from on-premises to Cloud using either managed services or a Cloud infrastructure arrangement. Quoted cost savings for each



Architectural Assessment

Submitted a reference AWS infrastructure architecture, which involved Amazon EC2 and EDS, for customer approval

Strategic Analysis



Migrated the entire system from Rackspace to AWS. Proactively monitored the new migrated system

Implementation & Monitoring



Value Delivered



Reduced operational cost by **40%**



Lowered code integration/deployment time by **40%** as a result of implementing CI/CD



Accomplished migration with **zero** downtime



Used load balancer services from AWS to distribute network traffic and scale



Upgraded to .net framework 4.5 for SSL (2.0) encryption and secure single sign-on, instead of separate authentication mechanisms when navigating the application