

Enterprises

Accelerating Innovation Through Seamless AWS Cloud Migration

A forward-looking enterprise aiming to boost agility and innovation was held back by legacy, on-premise infrastructure. BayRock Labs partnered with the client to migrate 100+ production and non-production servers to AWS. Our strategic cloud migration not only modernized their infrastructure but also dramatically improved speed to market, security, and scalability.



Value We Added

Faster Time to Market

Enabled rapid rollout of new features by eliminating infrastructure bottlenecks.

Improved Security

Strengthened the organization's security posture with advanced AWS tools and third-party firewalls.

Cost Optimization

Reduced operational costs through smart resource allocation using on-demand and reserved instances.

Challenges

Legacy System Dependency

The client relied on outdated physical and virtual machines hosted on-premise.

Slow Release Cycles

Infrastructure constraints delayed the launch of new features and services.

Security & Availability Risks

Aging systems lacked the robustness needed for modern threat protection and uptime.

Approach

Comprehensive Cloud Migration

Transitioned all workloads to AWS using AWS DMS, SMS, and CloudEndure for real-time data replication.

Infrastructure Modernization

Upgraded all operating systems and integrated firewall solutions like Gemalto, Fortinet, and McAfee.

Optimized Cloud Design

Used EC2, RDS, VPC, Route 53, and IAM to create a secure, performant, and scalable architecture.

Outcome

Accelerated Delivery

Enabled faster deployment of new products and updates.

Stronger Security

Improved defense against threats with modern firewall and security integrations.

High Availability

Achieved consistent uptime and application reliability across environments.

Conclusion

By migrating the client's complex infrastructure to AWS, BayRock Labs delivered a modern, secure, and scalable cloud environment that fuels faster innovation. The transformation not only reduced operational overhead but also empowered the client to meet future demands with agility and confidence.