



CASE STUDY

Cloud-Driven Innovation Journey from On-Premise to AWS for Enhanced Digital Solutions

Access.io enabled Vedhya Technologies to seamlessly migrate their application from On-premise to AWS Cloud.

ABOUT ACCESS.IO

We offer Cloud Transformation, DevOps and SRE Automation, and 24 X 7 Manage Services to improve the agility and velocity of your business.

We are a cloud native services company with clients in multiple geographies and industries. We specialize in cloud transformation, DevOps automation, managed services and cloud native application development. With offices in USA and India, we empower organizations to transform and secure their IT infrastructure, scale up their operations, and manage customer workloads. from our ISO 27000-certified Global Network Operations Centers (GNOC).

ABOUT VEDHYA TECHNOLOGIES

Vedhya Technologies excels in FPGA solutions for avionics, aerospace, defense, and industrial electronics. Renowned for custom R&D and near-zero failure rates, their projects include avionics upgrades and defense radar enhancements. With a focus on industry-standard bus architecture and compact PCI-based SBCs, Vedhya stands at the forefront of cutting-edge technology solutions.

EXECUTIVE SUMMARY

Access.io's expertise empowered Vedhya Technologies to implement robust security measures, optimize costs, improved performance and segregate products using Graviton processors into secure environments within their AWS infrastructure. Additionally, by enabling monitoring and alerting improved the response time to failures. Vedhya Tehnologies adopted relevant AWS services for enhanced efficiency.

THE OBJECTIVE

Vedhya Technologies wanted to move to AWS to make their applications work better, scale easily, and follow best practices for security, availability, and cost efficiency.

- Increase the competitive edge, drive business value.
- Optimize cost, performance for Amazon EC2 Workloads with AWS Graviton Processors.
- Reinforcing security measures and establishing secure environments.
- Efficient resource management through strategic product categorization.
- Advancing scalability and optimizing the management of diverse products.

HIGHLIGHTS

- Implemented a secure three-tier architecture, deploying apps and databases in private subnets.
- Enhanced Performance: Leveraging graviton processors in AWS EC2 results in improved performance, offering a cost-effective and efficient solution for diverse computing workloads.
- Set up CloudWatch for real-time monitoring and alerts.
- Enabled EC2 auto-scaling for dynamic resource optimization.
- Implemented OpenVPN for secure app/DB interactions.
- Strengthened security with IAM and CloudTrail in AWS.

CUSTOMER TESTIMONIAL



Axcess.io team showed patience, understanding and waited for us to be fully prepared to get the AWS setup up. When we were ready, they were supportive and very responsive, ensured delivery with utmost sincerity and commitment.



- Suree Sharma

THE BENEFITS



Reduced Downtime

- Parallel Processing
- Data Replication
- Enabling continuous access to data during migration



Data Validation and Error Handling

- Identify and address errors
- Detects anomalies, duplicates and missing data
- Data Cleansing



Data Security and Compliance

- Protect sensitive data
- Support Encryption
- Ensure Data Confidentiality and compliance