

CASE STUDY



VILCART
BRIDGE TO RURAL KIRANA

Seamless Migration to AWS

Vilcart's migration to AWS unlocks advanced compute power, scalability, and high availability, optimizing operations and enhancing content delivery capabilities

ABOUT VILCART

Vilcart pioneers sustainable rural development, eliminating the urban-rural gap for retailers. Leveraging technology and efficient supply chains, it revolutionizes rural retail, providing the convenience and opportunities typical of urban markets to rural retailers.

EXECUTIVE SUMMARY

Access.io fortified Vilcart's AWS infrastructure, elevating security, scalability, high availability, cost optimization, and performance. Implementation of infrastructure as code, along with seamless CDN integration and robust monitoring, accelerated response times to failures, culminating in heightened efficiency via tailored AWS services.

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).



PROJECT OBJECTIVE

- Seamless migration of application and compute resources from On-Prem to AWS.
- Implement secure resource isolation with public, private, and data subnets.
- Ensure scalability, high availability, and streamlined deployment using infrastructure-as-code.
- Reducing infrastructure costs and maximizing efficiency was a key challenge.
- Focusing on identifying, assessing, and mitigating potential threats is crucial to ensuring the organization's security



THE SOLUTION

- ✓ **Infrastructure as a Code:** Automate and manage infrastructure efficiently with Infrastructure as a Code (IaC).
- ✓ **Implemented Scalability:** Optimize performance with AWS Auto Scaling's dynamic compute adjustments.
- ✓ **Setting-up Monitoring:** Set up monitoring in AWS using CloudWatch to gain insights into resource utilization, application performance, and operational health.
- ✓ **Cost-Efficiency:** Drastic cost reduction was achieved through efficient infrastructure management and ECS deployment.
- ✓ **High Availability:** Achieve high availability through multi-AZ deployment, auto-scaling, and load balancing for resilient infrastructure.

THE BENEFITS



Cost Savings



Enhanced Security



Improved Scalability