

Case Study 2: AWS EKS Cluster for Database Application

Client

SaaS Database Application (Freelance)

Challenge

The client needed a highly available Kubernetes cluster to run a database-backed application securely and reliably on AWS.

Solution

- Designed & provisioned AWS EKS Cluster using Terraform (Infrastructure as Code).
- Configured networking, security groups, and IAM roles for secure access.
- Automated node group scaling for workload elasticity.
- Implemented monitoring & logging for visibility.

Results

- Infrastructure provisioning time reduced from weeks to hours.
- Fully automated setup ensured consistency & repeatability.
- Scalable & cost-efficient architecture ready for production workloads.

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