Objective

Migrate current environment from AWS to Azure and optimize the TCO

Scope

- Azure infrastructure setup.
- Deploy application in Azure environment.
- Replace paid service with open source or Azure services.
- Cost optimization.
- Setup CI/CD pipeline for infra setup & application deployment.
- Manage the migration.
- Evaluate Azure services for migration
- Implement application gateway & VPN gateway in Azure

Challenges

- Coordinate with Developers for config changes as per Azure environment.
- Cost and saving analysis
- No prior documentation of existing workflow.

Benefits

- 30 % total cost reduction
- Developer self-sufficient as one-click environment setup.

Key features

- Implementing Azure services from scratch
- Explored tools for Log monitoring.
- Azure CLI for automation.

Technology

- Ansible
- Kubernatives
- Azure CLI
- Docker
- Jenkins
- AKS
- Application/ VPN Gateway
- SQL DB