Global Cloud Operations

Global Cloud Operations & Infrastructure Automation

Company: SKF AB

Duration: *(Feb 2022 – Present)*

📖 Project Overview

The **Global Cloud Operations** project for SKF focused on managing and automating cloud infrastructure across multiple AWS accounts and regions. As a DevOps and Cloud Operations Engineer, I was responsible for ensuring high availability, governance, and scalability of cloud resources while implementing infrastructure-as-code and continuous deployment practices.

🎯 Objectives

- Centralize and streamline cloud operations across global AWS environments.
- Implement governance and compliance protocols for secure cloud usage.
- Automate provisioning and deployment using Terraform and CloudFormation.
- Monitor infrastructure health and performance using Datadog.
- Enable GitOps workflows and scalable deployments via ArgoCD and Azure DevOps.

🛠️ Technologies Used

Category	Tools & Technologies
Cloud Providers	Amazon Web Services (AWS)
Infrastructure as Code	Terraform, AWS CloudFormation
Configuration Mgmt	Ansible
Monitoring & Analytics	Datadog
GitOps & CI/CD	ArgoCD, Azure DevOps
Container Orchestration	Rancher, Amazon EKS
Version Control	Git

Roles & Responsibilities

- Managed global cloud operations across multiple AWS accounts, ensuring high availability, scalability, and cost optimization.
- Implemented AWS governance strategies including IAM policies, tagging standards, and resource boundaries.
- Provisioned infrastructure using **Terraform**, enabling repeatable and auditable deployments.
- Automated resource configuration and deployment using **AWS CloudFormation** templates.
- Integrated **Datadog** for real-time monitoring, alerting, and performance analytics.
- Deployed and managed Kubernetes workloads on **Amazon EKS** and **Rancher-managed clusters**.
- Set up **ArgoCD** for GitOps-based deployment pipelines, ensuring consistency and rollback capabilities.
- Used **Azure DevOps** for CI/CD workflows, including build, test, and release pipelines.
- Maintained configuration consistency across environments using **Ansible** playbooks.
- Collaborated with global teams to align cloud operations with business and compliance goals.

Key Achievements

- Reduced manual provisioning time by 80% through infrastructure-as-code practices.
- Achieved unified monitoring across all cloud environments using Datadog dashboards.
- Enabled GitOps workflows for faster, safer deployments with ArgoCD.
- Improved governance and compliance posture across AWS accounts.