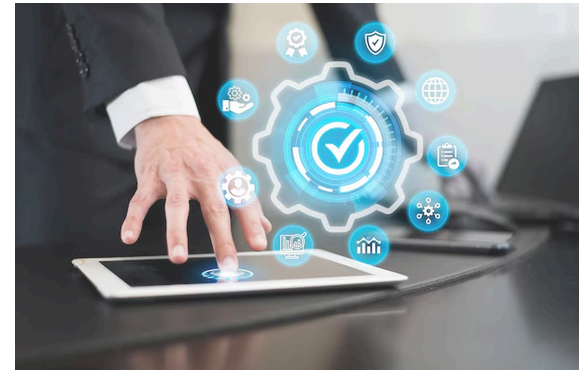


Azure Microsoft Fabric in DevOps

The Customer

A leading healthcare technology company faced challenges in managing its DevOps processes efficiently. Their multi-cloud setup included multiple CI/CD pipelines, Kubernetes clusters, and cloud services, but lacked centralized visibility and control. This led to deployment issues, security risks, compliance challenges, and higher operational costs.



The Pre-State

Challenges Faced:

- **Scattered Data & Limited Visibility**

- DevOps data was spread across multiple platforms, making performance analysis difficult
- Teams lacked real-time insights, leading to reactive issue management

- **Frequent Deployment Failures**

- CI/CD pipelines faced delays due to inconsistent monitoring
- High rollback rates and failed deployments slowed product releases

- **Security & Compliance Risks**

- Enforcing security policies manually made compliance with ISO 27001 and HIPAA challenging
- Inconsistent logs complicated security audits

- **High Costs & Inefficiencies**

- Too many DevOps tools increased costs
- Manual monitoring and reporting added extra workload





Post State

Centralized Data & Real-Time Monitoring

01

- Integrated Microsoft Fabric's OneLake to bring together data from Azure DevOps, GitHub, Kubernetes, and monitoring tools in one place
- Set up real-time dashboards to track deployments, build success rates, and infrastructure health

02

AI-Powered Deployment Optimization

- Used AI to predict deployment risks, reducing failures and rollbacks
- Automated log analysis helped detect issues early, allowing proactive fixes

03

Enhanced Security & Compliance

- Implemented role-based access control (RBAC) and automated compliance checks
- Ensured every deployment had audit trails and real-time security monitoring for easy compliance

04

Cost & Efficiency Improvements

- Optimized cloud resources to cut down unnecessary costs
- Automated reporting and alerts reduced manual effort, boosting team productivity

The Bridge

- **CloudifyOps** streamlined the customer's DevOps processes, leading to significant improvements in efficiency, security, and cost savings. By leveraging AI-driven insights, deployment failures were reduced by **30%**, ensuring smoother and more reliable releases
- Automation and real-time monitoring accelerated code deployment cycles by **40%**, minimizing delays and improving productivity. Security and compliance readiness saw a **50%** boost through automated audits and policy enforcement, simplifying adherence to **HIPAA and ISO 27001** standards. Additionally, by eliminating redundant tools and optimizing cloud resources, CloudifyOps helped the customer cut operational costs while enhancing overall efficiency

About CloudifyOps Pvt. Ltd.

CloudifyOps is an Advanced tier partner of AWS with Service Delivery Capability in WAF and a team of more than 20 engineers with AWS certifications. An AWS partner for more than 3 years to date, CloudifyOps has extensive experience in Cloud Engineering, DevOps Consulting & Implementation, Site Reliability Engineering, Cloud Data Infrastructure and Managed Services. We have worked with customers across Fintech, Edtech, Healthcare, Auto and Media Tech.

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CloudifyOps

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