CAYLENT

Amazon EKS Strategy

Migrate Kubernetes Workloads with Confidence

Control Plane Complexities

While Kubernetes has become the standard for container orchestration, its complexity remains a major barrier, with 41% of organizations struggling to deploy and manage it effectively. Managing the Kubernetes control plane adds significant operational overhead, as teams face fragmented workflows, scaling challenges, and a steep learning curve. Without the right approach, businesses risk slowing their modernization efforts, overburdening DevOps teams, and compromising scalability.

Simplify with Amazon EKS

With years of experience deploying container workloads on self-managed Kubernetes and EKS, we accelerate EKS adoption through proven strategies and prebuilt architectures. By delivering a privately networked EKS environment and implementing GitOps workflows, we streamline deployment, integrate AWS-native security, and provide scalable, production-grade infrastructure—empowering your teams to manage applications confidently and securely.

Source: Cloud Native Computing Foundation

Key Activities

Enablement

Design a baseline Kubernetes infrastructure in AWS and conduct workshops to upskill your teams on Kubernetes operations

Implementation

Build and deploy production-grade Kubernetes clusters using best practices and Caylent Catalysts™, including automated pipelines, release management, and scalable architectures

Day 2 Operations

Establish monitoring, alerting, and upgrade strategies to maintain cluster health, optimize performance, and support ongoing scalability

Highlights

- Optimize Kubernetes adoption with privately networked Amazon EKS environments
- Implement GitOps workflows to streamline application deployment and management
- Build scalable, production-grade tooling and reusable cluster architectures
- Enable secure and repeatable deployment patterns for enterprise workloads

Deliverables

- Production-grade Amazon EKS clusters
- Templatized GitOps workflows for streamlined application deployment
- Automated pipelines for deploying and managing Kubernetes clusters
- Comprehensive end-to-end testing with a target application to validate readiness

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