

AWS Elastic Kubernetes Service

Quickly migrate your Kubernetes workloads to managed Amazon EKS

Harness the power of Kubernetes without the complexities of building and managing the control plane with Amazon EKS. Amazon EKS has built in regional scaling, deeply integrated AWS permissions capabilities, tightly integrated storage, and built in operational features all supported by AWS native tooling. This enables a seamless deployment, governance, and management posture for your business critical workloads.

Caylent's Amazon EKS Catalyst was developed through years of experience working with customers deploying container workloads on self-managed Kubernetes and EKS. Caylent leverages prebuilt codebases and architectures to accelerate your EKS adoption. At the end of this engagement, you will be left with a privately networked EKS environment supporting a GitOps workflow that will make life easier for your developer and DevOps teams while maintaining secure environments.

Key Activities

Enablement

We'll conduct workshops to upskill your teams on running Kubernetes on AWS, AWS' container ecosystem and CNCF technologies.

Implementation

Based on your current Kubernetes environment, we'll build a baseline Kubernetes infrastructure in AWS and GitOps workflows.

Day 2 Operations

Implement best practice Kubernetes management on AWS: release management, monitoring and alerting, scaling, and upgrading.

Engagement Details

Highlights

- Optimize your Kubernetes experience on AWS
 - Determine which AWS managed services to adopt
 - Implement GitOps for your developers
- Deploy with infrastructure as code
- Establish reusable, repeatable deployment automation patterns
- Accelerate your team's journey to running production workloads on AWS.

Deliverables

- Production grade tooling and application clusters
- Template GitOps workflow for deploying applications
- Deployment pipeline for deploying Kubernetes clusters
- End to end deployment testing with target application