

AWS Elastic Container Service

Simplify cloud complexity and security with Caylent's ECS Catalyst

In the complex landscape of containerized applications, businesses face significant hurdles: the daunting administration overhead of Kubernetes, the complexities of self-managing compute resources for containers, frequent application outages, and the unpredictability of monolith application release processes. These challenges, from extended build times and testing complexities to limited scalability, along with configuration drift across environments and cost inefficiencies from oversized VMs, underscore the need for a more streamlined, reliable solution.

The Caylent ECS Catalyst harnesses the power of AWS Elastic Container Services (ECS) to redefine containerized application deployment. By integrating AWS services such as Fargate, ECR, IAM, AWS Secrets Manager, and CloudWatch, the Catalyst minimizes operational complexities, ensuring your critical workloads operate in a zero-trust environment. Designed for both Linux and Windows containers, this solution provides a privately networked ECS environment, complete with an automated application CD pipeline for seamless deployment. From hands-on workshops to comprehensive delivery overviews, our team ensures your mastery of the ECS ecosystem, paving the way for a more efficient, secure, and developer-friendly deployment experience.

Key Activities

Discovery and Planning

Engage in detailed workshops and discovery sessions to get up to speed with AWS ECS tooling and its ecosystem integrations as well as AWS ECR and AWS Fargate.

Design and Implementation

Based on your requirements, we'll build a fully automated application deployment pipeline using AWS's automation services and set up a privately networked ECS environment that supports automated deployment for either a Linux or Windows workload.

Deploy and Enable

Caylent experts will help you explore auto-scaling mechanisms, version upgrades, and other operational best practices to ensure a smooth knowledge transfer and deployment of your first production grade app.

Engagement Details

Highlights

- **Zero Trust Environment:** Establish a secure infrastructure to run your critical applications according to security best practices.
- **Streamlined Operations:** Leverage Caylent's expertise to minimize operational overhead and accelerate your cloud adoption journey.
- **Expert-Led Guidance:** Benefit from industry-leading experts implementing ECS through proven accelerators.
- **Reduced Operational Burden:** Utilize AWS managed services to alleviate the operational load, allowing your team to focus on innovation.

Deliverables

- **Privately Networked ECS Environment:** A secure, isolated environment ready for your containerized applications.
- **Automated CD Pipeline:** A robust pipeline for continuous deployment, streamlining your development workflows.
- **Hands-On Training:** Comprehensive workshops and sessions to empower your team with the knowledge and skills needed for ECS.
- **Operational Best Practices:** Guidelines, architecture diagrams, and documentation on managing your ECS environment effectively.

