

# Kubernetes Catalyst

## Accelerate your cloud native adoption journey with Caylent Catalysts®, a collection of starter kits that add rocket fuel to your modernization initiatives

Kubernetes is now the industry standard container orchestration system. Caylent created this Catalyst to help accelerate your business's Kubernetes adoption roadmap by giving your team a reusable automated pipeline for managing your clusters, operators and containers.

With deep roots as an AWS Partner focused on container orchestration management and years of experience deploying container solutions for customers, Caylent is uniquely positioned to fast track your Kubernetes journey. By introducing our team of experts and opening up our code library, the Caylent team will accelerate your company's understanding and adoption of Kubernetes and add velocity to your product development pipeline. Additional benefits include education and initial consultations.

## Key Activities

### Discovery Call

Determine your current understanding and use of containers is today as well as learn about your future state development objectives.

### Workshop

Based on your needs, you can choose to engage in up to 3 days of workshops which include; education, labs, deployment, reviews, initial consultation & scoping.

### Deployment & Enablement

Deploy our configurable Catalyst into your AWS account and participate in an enablement workshop using a sample Kubernetes application.

## Engagement Details

### Enablement

- Overview of tooling options (GitHub, BitBucket, CodeCommit, etc)
- Compare and contrast Linux & Windows Containers
- Automated orchestration & deployment opportunities
- AWS Native tools overview: CodeBuild, CodeCommit, CodePipeline, ECR, EKS, etc.

### Deliverables

- Pipeline code for sample application
- A running sample application in Kubernetes
- Application Review Documentation
  - Reasons to containerize
  - Reasons not to containerize
  - How to containerize
  - Design and Operations best practices



AWS CodeBuild



AWS CodeCommit



AWS CodePipeline



Amazon ECR



Amazon EKS

# Novus Partners Fuels Business Growth with Caylent Pods



“ We love that Caylent’s experts work 'shoulder-to-shoulder' with our engineers – and demonstrate a personal investment in our success. Not many consulting firms will adopt your project management tools and internal jargon – but Caylent does. They accommodate culture and are extremely receptive to feedback – key factors in the success of our projects and relationship. ”

Noah Zucker  
Senior Vice-President of Technology

Caylent is a cloud native services company that helps organizations bring the best out of their people and technology using AWS. We are living in a software-defined world where technology is at the core of every business. To thrive in this paradigm, organizations need to empower their people and processes through technology. Caylent is uniquely positioned to fuel that engine of innovation by bringing ambitious ideas to life for our customers.

## CAYLENT

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Novus Partners is a portfolio analytics and intelligence platform for institutional investors. The platform is used by many of the top hedge funds, pensions, sovereign wealth funds and endowments to analyze their risk, performance and attribution across aggregated and historical data sets.

The Novus team was anticipating entering new markets and knew that client demand would increase, but that their legacy technology environment was preventing them from efficiently delivering new features and products.

They turned to Caylent Pods to architect and build a cloud native solution.

### Challenges:

- Expensive hosting environment
- Antiquated application architecture and Development
- Engineering team focused on Support and Operations
- Fixed release cycles
- Suboptimal site availability

### Solution:

- Migrate to Amazon Web Services
- Modernize by re-architecting for Amazon Elastic Kubernetes Service (EKS)
- Embrace DevOps and Agile
- Optimize hosting post migration

### Results:

- 50% reduction in total infrastructure spend
- 54% reduction in daily operational costs
- Application uptime increased to 99%
- Site availability increased by 22 bps
- Improved security and governance posture
- Refocusing Developer time on features and product - contributing to record revenue and business growth