

Orbit-Ready DevOps: 6 Weeks to 3 Days



92.9% Faster

Deployment time reduced from 6 weeks to 3 days across secure satellite environments

\$36K Saved

Per deployment in cost savings through automated CI/CD pipeline elimination of manual builds





Zero Manual

Rebuild cycles — standardized onboarding replaced error-prone manual troubleshooting entirely

SERVICES

-  Application Modernization
-  Platform Engineering
-  AI Productivity

TECHNOLOGY

-  CI/CD Pipeline Automation
-  Kubernetes & Rancher
-  Confluent Kafka
-  MongoDB

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THE CHALLENGE

A global satellite communications provider needed to deploy third-party software within a highly secure, government-mandated environment. Each onboarding effort required adapting external source code to meet strict security and infrastructure requirements — a process that frequently led to software failures requiring extensive troubleshooting and manual rebuilding before deployments could proceed.

Object Computing modernized the development and deployment pipeline with a streamlined CI/CD onboarding framework that automated key steps in building, testing, and deploying software. Kubernetes, MongoDB, and Confluent Kafka were integrated to create a consistent, scalable workflow across multiple secure environments.

The result: deployment timelines dropped from six weeks to three days — a 92.9% reduction — saving \$36,000 per deployment and accelerating delivery of mission-critical satellite communication systems.

THE SHIFT

BEFORE Deployment across multiple secure environments was a manual, error-prone process that took 6 weeks and required extensive troubleshooting to complete.

AFTER A streamlined, automated deployment process that reduced six weeks of manual work to just three days, saving \$36,000 per deployment.

BRIDGE A modern CI/CD onboarding and deployment framework utilizing Kubernetes, MongoDB, and Confluent Kafka across secure government environments.

WHAT WE BUILT

FEATURES Automated CI/CD pipelines utilizing Kubernetes, Rancher, and Confluent Kafka for secure multi-environment deployments.

ADVANTAGES Replaces weeks of manual troubleshooting with a standardized, rapid onboarding and deployment process that scales across regulated environments.

BENEFITS Saves \$36K per deployment and reduces time-to-market by 92.9% in a highly secure, government-mandated environment.



Engineered to **evolve.**

Three decades of mission-critical systems, engineered for performance and agility.

Let's Talk - hello@objectcomputing.com