

CODE FOUNDRY

*Built for Scale. Engineered for Security.
Designed to Deliver.*



MISSION NEED

Code Foundry was designed to help organizations deliver secure, reliable embedded software at scale.

Problem Statement

- As a fully integrated, cloud-native DevSecOps platform, Code Foundry streamlines the entire software delivery lifecycle, enabling rapid innovation without compromising compliance, performance, or security.
- Trusted across government and commercial sectors, it serves as the foundation for modern, enterprise-grade continuous integration and deployment.



CODE FOUNDRY KEY CAPABILITIES

Core Capability



Modular Foundation: Sabel's own CI/CD pipelines continuously deploy microservices ensuring rapid delivery of new features and patches with zero downtime, complete with configurable dashboards for managers



Pipeline Orchestration Engine: Modular Define complex, enterprise-grade CI/ CD pipelines using our proprietary YAML DSL — enabling parallel steps, conditional logic, secrets injection, and dynamic triggers from multiple SCM systems.



Test Automation & Monitoring: Integrates layered COTS vulnerability scanners, native testing framework support, virtual load testing, centralized telemetry with 100+ metrics, and real-time alerts via Elastic, Grafana, EdgeTI, and email.

PROGRAM VALUE

Code Foundry isn't just a platform — it's a force multiplier for development and operations teams. By uniting automation, intelligence, and security, organizations realize measurable improvements in every area of delivery.

Benefits



Accelerates secure innovation with security built in, not bolted on.



Integrates Digital Engineering systems to ensure parallel synchronous development of Hardware and Software (Application or Embedded).



Supports Software Development for Deployed, Disconnected Systems via cloud-agnostic modular pipelines.



Removes pipeline overhead from Developers allowing them to focus on value-added software development.



Zero-downtime pipeline updates and integrated observability to reduce operational risk.

DEPLOYMENT APPROACH

We engineered Code Foundry from the ground up to tackle the complexities of modern software development and deployment. With decades of hands-on experience and client collaboration, our approach focuses on:



DevSecOps as a Service: Templated pipelines allow developers to focus on software development rather than pipeline configuration.



Automated Pipelines: From commit to delivery automation executes functional, safety, integration, and security testing upon every modification.



Modular Microservices Architecture: Enables scalability, resilience, and rapid deployment of the Code Foundry to support clouds AWS, Azure, Arcus, VMware, and bare-metal.

