



CodeCargo

Solution Summary

December 10, 2025



A Letter from the CEO

After running a DevOps and Platform Engineering consulting company for the past 7 years, we encountered the same problems over and over again. To solve these challenges in a more robust way, we decided to create CodeCargo, an Agentic Developer Platform powered by Generative AI.

CodeCargo helps organizations accelerate software delivery, strengthen compliance, and reduce operational friction across your engineering organization. Built natively on top of GitHub, CodeCargo brings together intelligent automation, curated workflows, and real-time governance to give developers a fast, secure, and consistent path from idea to production.

This Solution Summary document outlines the key modules included in the proposed engagement and highlights the specific value each brings to your teams and business outcomes.

CodeCargo includes five key modules:

- Self-Service Workflows (Golden Paths)
- Smart Service Catalog
- Workflow Compliance at Scale
- Private Workflow Marketplace
- Multi-Repo GenAI Editor

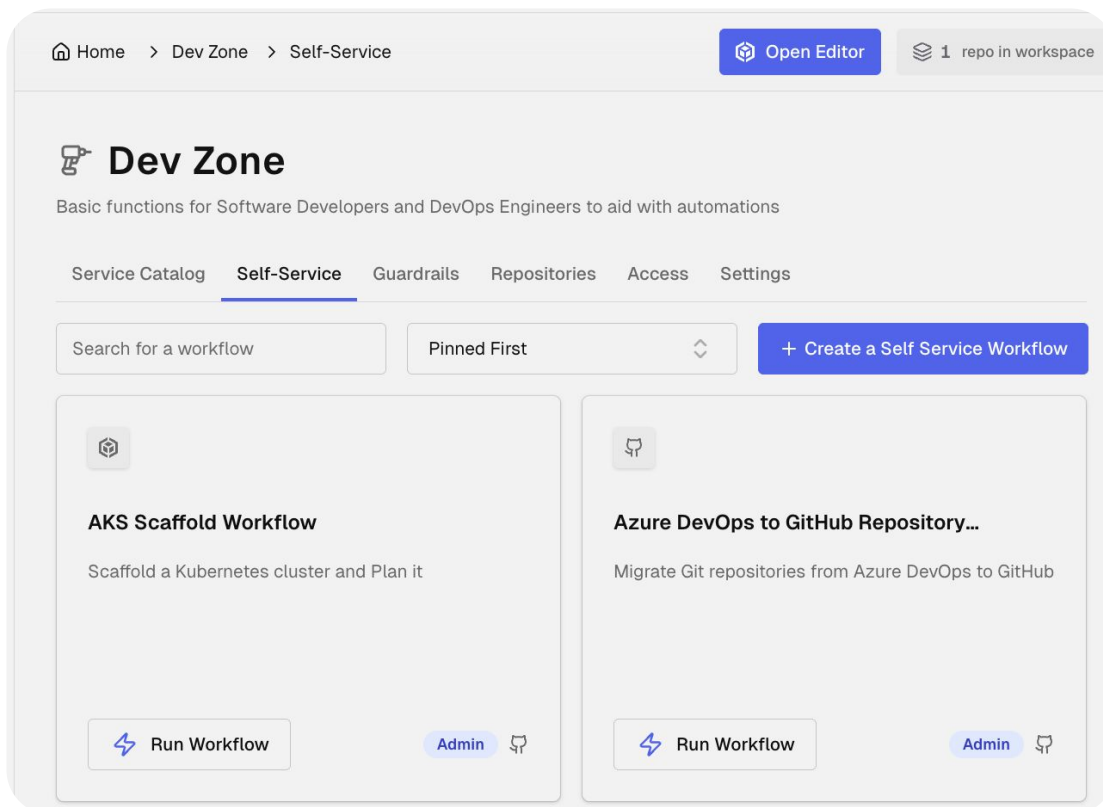
Tim Hohman
CEO and Co-Founder



Self-Service Workflows (Golden Paths)

CodeCargo's Golden Paths provide developers with guided, pre-approved workflows that make it effortless to create new services, environments, and pipelines the right way—every time. By standardizing best practices while removing friction, teams accelerate delivery without compromising governance.

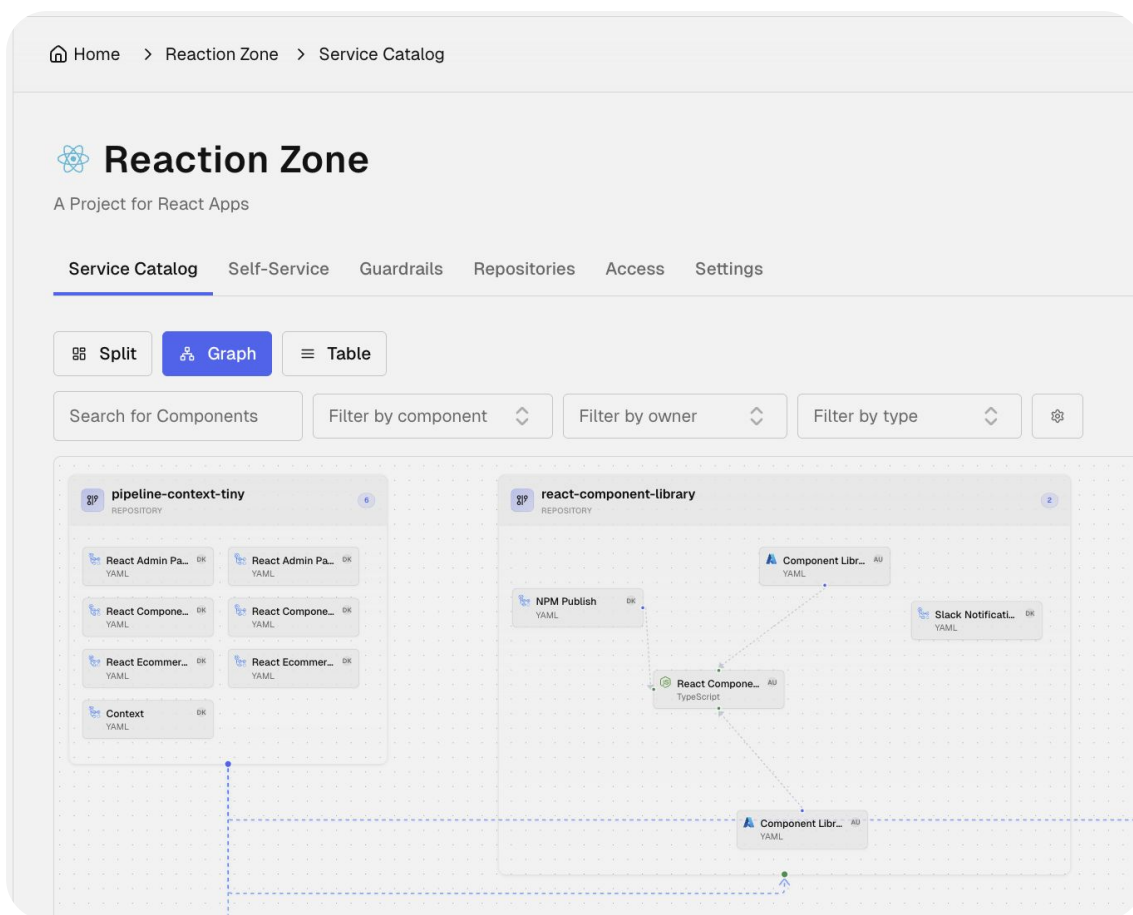
- Ensures every new service is built consistently, aligned to your architectural and compliance standards.
- Provide customizable inputs, dropdowns, and restricted values to workflows to make it easier for developers to run approved automations.
- **Reduces onboarding time** by giving developers instant access to ready-to-run templates and automation.
- Minimizes errors and rework by embedding validated infrastructure and deployment patterns.
- Speeds project startup and supports predictable, software delivery at scale.
- Import **existing workflows** as Golden Paths, or CodeCargo's Expert Workflow Agent will **build them for you.**



Agentic Service Catalog

The Agentic Service Catalog automatically discovers repositories, pipelines, environments, and interdependencies across your GitHub ecosystem by leveraging machine learning, generative AI, and declarative code. It provides a unified, dynamic view of your engineering landscape, eliminating the need for software developers to spend countless hours keeping it up-to-date.

- Automated creation and updates to the service catalog mean your developers don't have to waste countless hours keeping things up to date.
- Provides **full visibility into services, ownership, dependencies, and more** across your organization.
- Aggregates GitHub metadata and software relationships to help **identify trends and problem areas** across your software estate.
- Supports faster troubleshooting and impact analysis through automatic relationship mapping.
- Accelerates onboarding for new engineers by helping them quickly identify integral application components and their relationships.
- Easily update commonly-used modules and code that leverages them through the dependency graph.



Workflow Compliance at Scale

Workflow Compliance continuously evaluates your GitHub Actions Workflows against human-readable guardrails to ensure they remain secure, consistent, and aligned with enterprise policies. CI/CD governance becomes automated rather than an after-the-fact audit exercise.

- The CodeCargo team will help you translate your current security, compliance, and governance rules into guardrails to ensure your workflows remain compliant to your specific needs.
- Prevents policy violations before they reach production.
- Reduces manual review cycles and improves audit readiness with built-in, automated controls.
- Provides real-time scoring and insights to help teams remediate issues quickly.
- Ensures organizational standards are enforced at scale without slowing developers down.
- Aggregates compliance scores across the entire organization to identify trends and problem areas

Guardrails Overview

GitHub Actions workflow compliance analysis

 Automatic Scanning
Enabled

82.33%
Overall Score

Workflow Summary

	Repository	Workflow	Score	Status	
 	pipeline- context-tiny	.github/workflows/context.yml	85%	 Complete	 Run Evaluation 

Compliance Check Details

 **Minimum Github Token Permissions** Critical

Workflow does not define explicit permissions block at workflow or job level. The default GITHUB_TOKEN permissions are read-write for most scopes, violating minimum permissions principle. Rule requires explicit minimal permissions configuration.

 **Set Job Timeouts** Medium

Job 'hello' does not define 'timeout-minutes' setting. Rule requires explicit timeout configuration for every job to prevent runaway resource consumption.

 **No Hardcoded Secrets**

No hardcoded secrets, API keys, tokens, or passwords found in the workflow. The workflow uses only standard GitHub Actions syntax without embedded sensitive values.

 **Pin Actions to Commit SHA**

Workflow does not use any third-party GitHub Actions in 'uses:' statements. Only contains run commands, so this rule does not apply but is compliant by absence of violations.

Private Workflow Marketplace

CodeCargo's Private Workflow Marketplace centralizes reusable pipeline components, templates, and best-practice patterns that are approved for internal use. It turns strong engineering ideas into scalable, org-wide assets.

- Enhances **discoverability and reuse** of high-quality workflow components across teams, reducing duplication and inconsistency.
- Supports inner source initiatives by making it easier for developers to collaborate and share their code.
- Allows platform teams to distribute approved patterns that evolve over time without code sprawl.
- Accelerates adoption of recommended practices and reusable automations
- Creates a unified, governable library of pipelines and automations aligned with your compliance needs.

Building Blocks

Workflows

Actions

Repository

⌵

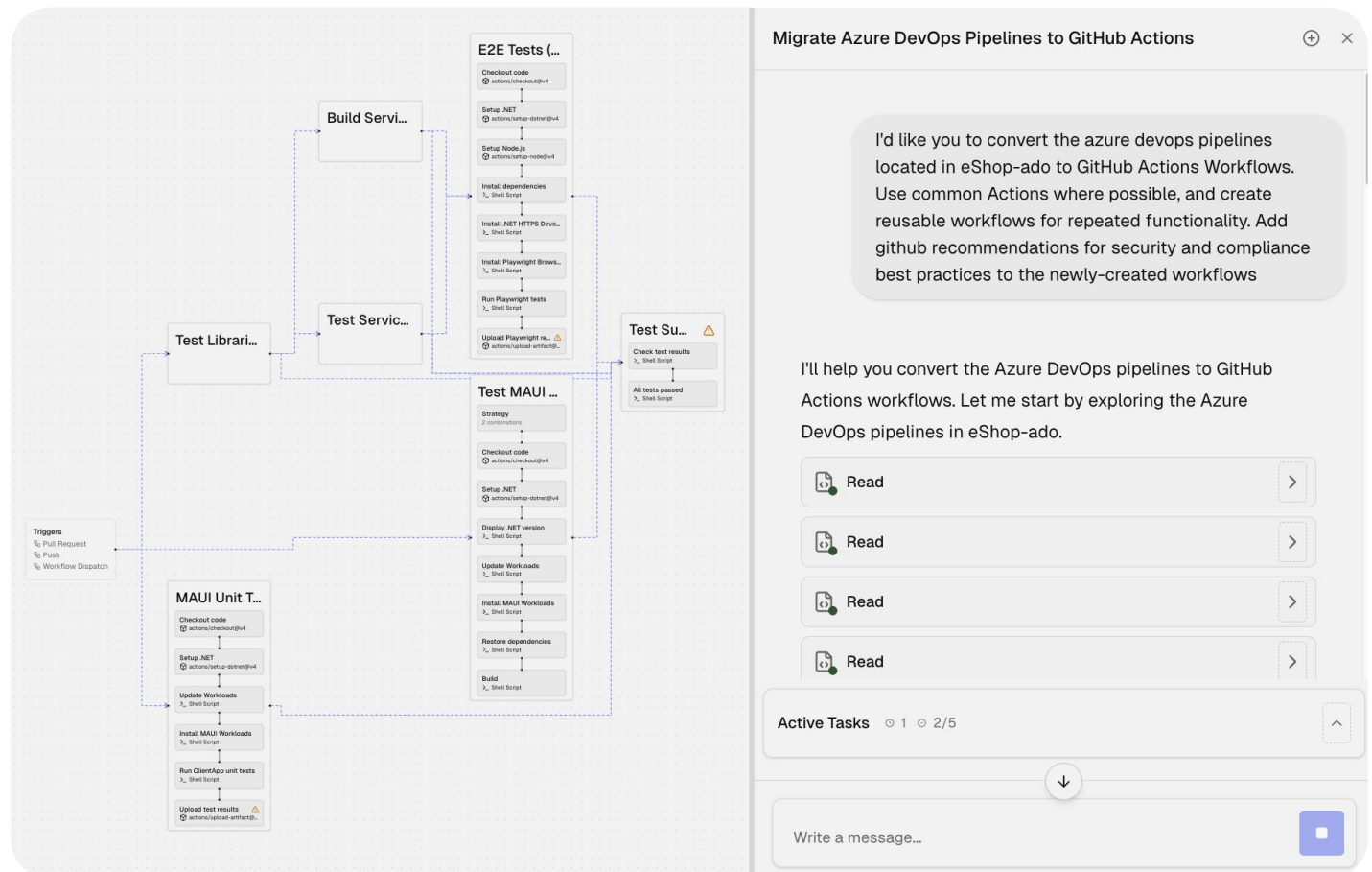
+ Add Workflow

 ⌵	Name ⌵	Location ⌵	
☒	 Terraform Deploy Basic Terraform Deployment	iac-basic > .github/workflows/terraform-deploy.yml 🔗 main	...
☒	 Create Azure VM Create an Azure VM	iac-basic > .github/workflows/azure-vm-create.yml 🔗 main	...
☐	 Create EC2 Instance Create a non-production EC2 VM with customizable CPU and memory...	iac-basic > .github/workflows/create-ec2-instance.yml 🔗 main	...
☐	 Slack Notification Send a notification to a pre-existing Slack channel	integration-workflows > .github/workflows/slack-notification.yml 🔗 main	...
☒	 Reusable Postman Smoke Test Execute a smoke test with a Postman collection 	app-workflows > .github/workflows/postman-smoke-test.yml 🔗 main	...
☐	 Docker Build and Push Build and push a Docker image to a registry 	app-workflows > .github/workflows/docker-build-push.yml 🔗 main	...

Multi-Repo GenAI Editor

CodeCargo has a powerful GenAI-powered code editor that allows developers to work with multiple files and repositories at the same time. This allows individual engineers to have an outsized impact on applications and perform tasks in bulk that would normally require months of collaboration between teams and organizations.

- Streamlines bulk modifications of reusable workflows and other automations that leverage them.
- Accelerates large-scale bugfixes across multiple repositories at the same time.
- Enables power users to have an outsized impact across multiple codebases to enhance quality, security, and velocity.
- Execute agentic tasking across multiple applications, such as end-to-end migrations, module upgrades, and more.

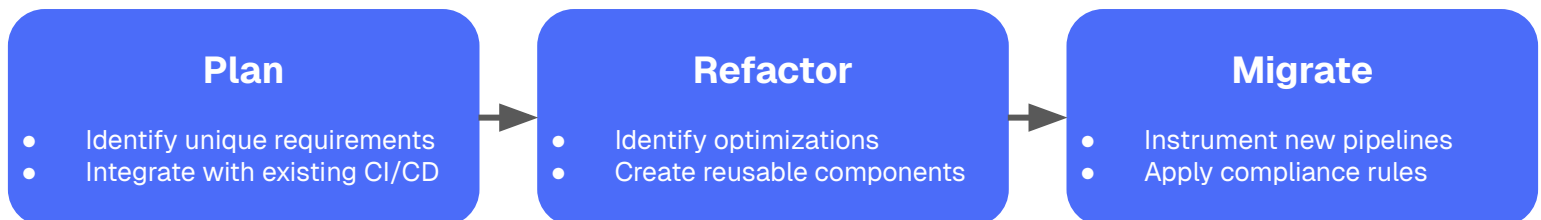


Migrate to GitHub Actions

CodeCargo greatly simplifies the migration process from Azure DevOps, Jenkins, and other CI/CD pipeline frameworks to GitHub Actions and GitHub Actions Workflows. This allows organizations to standardize their DevOps stack around GitHub and take advantage of that platform more effectively. CodeCargo substantially reduces the overall cost and timeline to perform migrations.

The Process

1. (Customer) Provide specific migration instructions
2. (Customer + CodeCargo) Identify repositories and pipelines to migrate
3. (CodeCargo) Migrate Git repositories to GitHub
4. CodeCargo platform performs the migration:
 - a. Reconfigure original pipeline triggers for GitHub events
 - b. Static analysis and reporting of pipelines to migrate
 - c. Identify pipeline structure, call graph, reusable modules
 - d. Refactor pipeline call structure
 - e. Implement pipeline modifications to satisfy specific migration instructions
 - f. Create final pipelines
 - g. Apply organizational compliance rules
 - h. Configure GitHub event triggers
5. (Customer) Approve final pipelines for production usage



Key Benefits

- Up to 87.7% reduction in pipeline migration costs
- Up to 85% reduction in pipeline migration timeline
- Refactors the pipelines to eliminate duplication and improve maintainability
- Applies your organization's compliance rules to every pipeline
- Available as a batch or bulk process

Advanced Use-Cases

CodeCargo's base platform modules enable several advanced use-cases that help organizations dramatically scale their capabilities and support strategic DevOps and Platform Engineering initiatives:

CI/CD Migrations to GitHub Actions Workflows

- CodeCargo's Expert Migration Agent can effectively migrate Azure DevOps pipelines to GitHub Actions Workflows via multi-repository context injection
- Custom migration logic to identify reusable components
- No 1-to-1 pipeline migrations which inherits technical debt

Rapid Integration of new IT Automation Tools

- CodeCargo's Expert Workflow Agent can create (or use vendor-provided) GitHub Actions to integrate new IT tools into GitHub Actions Workflows for teams to use
- The Private Workflow Marketplace makes it easy for developers to discover the new automations
- Create a new compliance guardrail rule to enforce usage of the new tool
- Track adoption via the organizational guardrails dashboard and Agentic Service Catalog

Complex Bugfixes at Scale

- Leverage Dependabot to automatically upgrade vulnerable software modules
- Load affected repositories into context for the Multi-repository GenAI Editor
- CodeCargo's Expert Workflow Agent can update module invocations to match the new call structure for remediated libraries and modules, eliminating months of work