



PACE StageCraft- SERVICE DEFINITION

Version: 1.0

Status: Approved

Owner: PACE Product & Platform Engineering

Service Type: StageCraft – Accelerating migration into GitHub service for both SCM and DevOps pipelines

Last Updated: January 2026

Service Definition Document

Stage Craft - Agentic CI/CD Pipeline Modernization Platform

1. Document Control

Version	v1.0
Author	Arya Geetha
Reviewers	PACE Platform Leadership
Approval	Martin Parker

2. Introduction

PACE Stage Craft is an agentic AI platform designed to accelerate the modernization and migration of CI/CD pipelines across cloud platforms and toolchains. The platform enables organizations to analyze, standardize, migrate, and modernize legacy pipelines into cloud-aligned, maintainable, and efficient workflows.

PACE Stage Craft analyses pipeline stages, scripts, dependencies, and integrations, then generates equivalent or improved pipelines, reusable components, and templates. It acts as a migration accelerator, reducing risk, improving maintainability, and speeding up CI/CD transformations.

Purpose: This document provides a comprehensive definition of the StageCraft platform, outlining its service features, operational framework, and the value it delivers to users.

3. Service Features

- **Pipeline Modernization** – Efficiently modernize and migrate pipelines across tools and cloud platforms.
- **Bulk Pipeline Analysis** – Analyse pipelines at scale, identify similarities, and enable bulk migration.
- **Template Generation** – Create reusable templates to accelerate future pipeline migrations.
- **Component Registry** – Maintain a central repository of native and custom reusable pipeline components.

- **Component Reuse** – Reuse components to reduce effort and accelerate migration speed.
- **Context-Based Learning** – Learn from each migration to improve future pipeline accuracy.
- **Pipeline Standardization** – Ensure consistent, scalable, and maintainable pipelines across teams.
- **Human-in-the-Loop Refinement** – Customize pipelines using natural language inputs for tailored workflows.

4. Service Benefits

- Reduces migration risk by 35–40% through standardized pipeline designs
- Accelerates CI/CD modernization by 40% by reducing manual engineering effort
- Speeds up future migrations by 35% using reusable components and CBL
- Avoids vendor lock-in, enabling tool flexibility across CI/CD ecosystems
- Improves long-term pipeline maintainability by 30% through standardization
- Increases operational resilience during transformation by reducing change failures 35%
- Enables enterprise-scale pipeline standardization across teams and portfolios
- Reduce migration effort up to 40%, accelerating CI/CD adoption and delivery modernization
- Embeds organization-specific security practices, quality gates, compliances and policies. ROI.

5. Technical Aspects – How it works

StageCraft is a next-generation AI orchestration platform designed to streamline the entire AI workflow—from requirement generation and refinement to translation, validation, and continuous learning. Powered by multi-agent architecture, Stage Craft enables intelligent, autonomous collaboration across tasks, accelerating results while maintaining precision and adaptability.

Built for the enterprise, Stage Craft seamlessly integrates with identity providers like Keycloak for secure authentication and role management, and leverages HashiCorp Vault to protect sensitive data and credentials. Its modular output system ensures that all results are governance-ready, giving organizations the confidence to meet regulatory and operational standards.

Stage Craft harnesses the power of containerization and Kubernetes orchestration, making deployment effortless, scaling automatic, and performance highly efficient. Each component runs in its own container, simplifying updates and ensuring consistency across environments. Kubernetes' dynamic scaling ensures resources are optimized in real time, balancing performance with cost-effectiveness.

In short, Stage Craft combines intelligent automation, enterprise-grade security, and cloud-native scalability to empower organizations to operationalize AI with confidence, speed, and efficiency. Whether you're tackling complex workflows or scaling across teams, Stage Craft provides a robust, adaptive platform that grows with your business.

6. Target User Groups

- **Enterprise Clients:** Large organizations that are looking to modernize and optimize their CI/CD pipelines. These clients typically manage complex, multi-team workflows and require scalable, secure, and high-performance solutions to streamline operations, enforce governance, and accelerate delivery. Stage Craft enables them to automate key pipeline processes, improve reliability, and maintain compliance, while leveraging cloud-native orchestration for dynamic scaling and resource efficiency.
- **Upper Mid-Size Businesses:** Growing organizations seeking cost-effective modernization of their DevOps pipeline. These businesses often face constraints in terms of budget, IT resources, and technical expertise, yet need solutions that scale with growth. Stage Craft provides a flexible, modular platform that reduces development costs, complexity, operational overhead and enables these companies to migrate to enterprise-grade DevOps solution

7. Applicable Industries

- **Technology and Software Development:** Where rapid development and deployment are critical.
- **Financial Services:** Requiring robust security and compliance measures.
- **Healthcare:** Where compliance with strict regulatory standards is needed.
- **Manufacturing:** To streamline product development and integration across systems.
- **Public Sector:** Government agencies and institutions requiring a secure and scalable solution to support and optimize their software development.

- **Retail Sector**

8. Deployment Environments

Stage Craft deploys directly in your environment—on public clouds, or managed Kubernetes—delivering full control, scalability, and high availability

- **Public Cloud:** Fully compatible with leading cloud providers, including AWS, Azure, and Google Cloud, enabling seamless integration into existing cloud infrastructures.
- **Kubernetes Managed Services:** Supports deployment on managed Kubernetes platforms, allowing automated scaling, high availability, and simplified operations while taking advantage of cloud-native orchestration.

9. User Interface

UST PACE Stage Craft offers a secure, standards-based service interface through REST APIs built on FastAPI, complemented by an intuitive **Web UI** and versatile CLI tools. The API covers all core workflows, including migration, bulk analysis, validation, and template management, while seamlessly integrating with enterprise identity systems for robust authentication and access control.

In addition, CBL endpoints provide advanced capabilities for pattern mining and telemetry queries, enabling deep insights, monitoring, and data-driven decision-making across your pipelines.

10. Upgrade and Release Policy

- Regular feature releases/upgrade
- Security patches and hotfixes releases
- Backward compatibility of published APIs and data models maintained where reasonably practicable

11. Training & Enablement

- **In-Platform Guidance:** Embedded help and contextual support to assist users directly within the platform.
- **Onboarding Workshops:** Optional structured sessions to accelerate adoption and ensure smooth implementation.

- **Adoption Support Programs:** Optional ongoing support initiatives to maximize user engagement and value realization.

12. Operational Details

- **Service Support:** 16/5 support across multiple time zones.
- **Support Structure:** Dedicated support team available and communication via email.
- **Training and Documentation:** In-app help and detailed guides.
- **Upgrade Policy:** Regular updates and feature enhancements scheduled quarterly.

13. Acceptance

Use of the StageCraft product constitutes acceptance of this Service Definition and any associated contractual terms governing the service.