Google Cloud Mainframe Modernization

Enhanced with Gemini Models and Generative AI ✧

Mainframe Modernization Products Built by Google Cloud **+** Best in Class Generative AI Solutions **+** Partner Ecosystem

Trusted Infrastructure

Secure, Reliable, Highly Available, Scalable, Cost Efficient Cloud Infrastructure
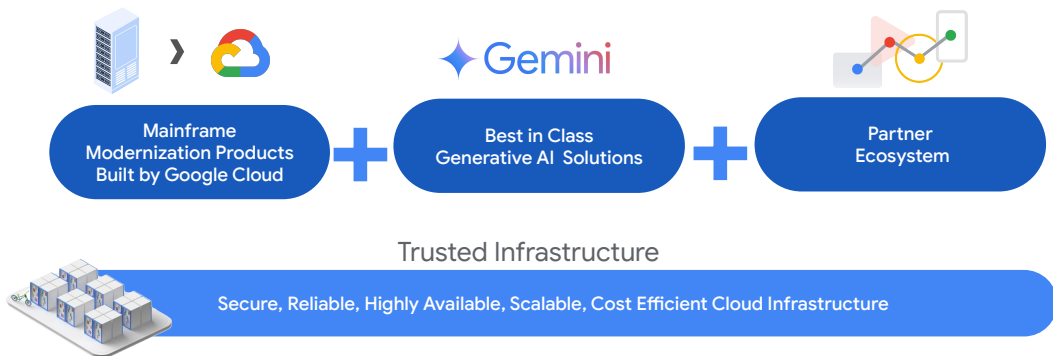
Mainframe Assessment ✧

Assess and analyze your mainframe estate, applications and data to determine the best path forward with modernization. **Google Mainframe Assessment Tool (MAT)** provides comprehensive code analysis, code explanations, application logic summaries and documentation creation, identification of application dependencies, application specification creation and generate test cases.
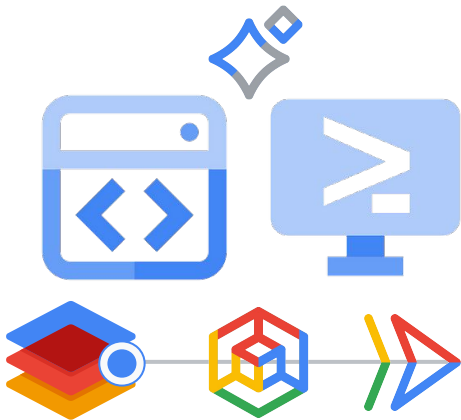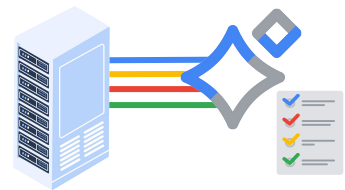

Application Code Transformation (Rewrite & Refactor) ✧

Modernize and transform your mainframe applications into agile, scalable, secure, and maintainable applications running in Google Cloud. **Google Mainframe Code Rewrite** integrates with Gemini Code Assist, leveraging the power of generative AI with customized with mainframe-specific context. It analyzes your existing mainframe code and generate functionally equivalent code in modern languages. **Google Mainframe Refactor** provides automated code refactoring and converts your mainframe applications to run on Google Kubernetes Engine (GKE), or Cloud-Run.

De-Risk and Test

Validate, certify and de-risk the modernization of your mainframe applications. **Dual Run** replays live events from the production mainframe system onto the modernized cloud application and compares the outputs between the two systems, ensuring the correctness of the updated business logic within the modernized application.
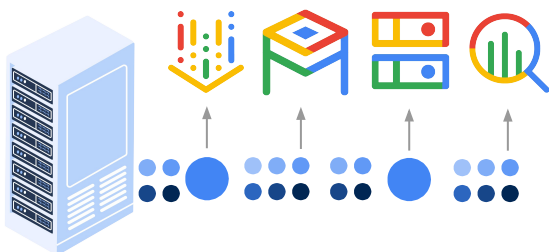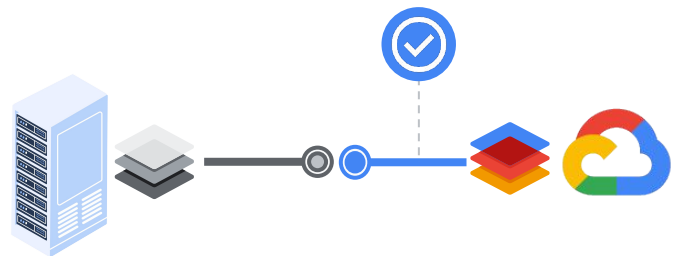
Mainframe Augmentation

Unlock previously siloed mainframe data while retaining your mainframe applications using **Google Mainframe Connector**. Leverage mainframe data for AI/ML and analytics in Google Cloud, lowering mainframe MIPS consumption, accelerating agility and unlocking new business functions.