

Mainframe and Midrange Modernization Solutions

For more information on these solutions and how you can engage with us further, please reach out to **mainframe@google.com**

Google Cloud currently offers multiple solutions for customers on their mainframe and midrange modernization journey. Google works with several large Global System Integrators and technology partners to help deliver the appropriate solution to each customer.

Google Cloud Mainframe & Midrange Capabilities

Mainframe Assessment Tool (MAT) with GenAl

MAT enables the automated analysis of legacy mainframe applications. A deployable tool that allows you to accelerate your end-to-end journey from your current mainframe setup to Google Cloud. Using Generative AI for documentation generation of your current codebase, this tool provides code analysis, code explanation and test creation using Google's world leading AI infrastructure.

2 Refactor: G4 + GenAl

Refactor/rewrite applications that run on Mainframe or Midrange systems. G4 automates the process of application refactoring by providing tools to transform legacy applications written in programing languages like COBOL, PL/I or RPG into modern Java (or other programming languages). Creating access to modern tooling and cloud-ready solutions.

3 Dual Run

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A first-of-its-kind modernization verification solution that allows customers to reduce the risk while accelerating the Mainframe migration process to GCP. This is done by replicating production workload for parallel running on the Mainframe and on GCP, while validating correctness, completeness and performance equivalency on both environments. Currently only offered by Google Cloud in the market

Retain & Augment: Mainframe Connector

Easily and efficiently copy your Mainframe and Midrange data to GCP enabling state-of-the-art GCP data services such as Analytics and AI/ML.

IP4G: IBM Power on Google Cloud

+ IBM Power Systems for Google Cloud (IP4G) is an infrastructure-as-a-service offering from Converge Technology Solutions and available from the Google Cloud Marketplace. IP4G provides cloud instances running on IBM Power Systems.