

# Mainframe Modernization

Run legacy workloads smarter

Mainframes have been a reliable computing platform for more than 50 years. With its exceptional backward-compatibility it has allowed for technical debt to accumulate millions of lines of code and thousands of man years of app development. Mainframes are still the backbone of many IT landscapes, but now with the emerging Cloud Era and the unmatched speed of innovation through cloud services is now the time to start modernizing for agility and sustainability?

While mainframes had been at the edge of technology for many decades, the rate of innovation is outpacing mainframes for at least the last 2 decades. Many customers are asking questions like:

- 1 What is my plan for mainframes in the era of cloud?
- 2 Will I be experiencing a shortage of qualified staff?
- 3 What kind of computing platform will give our organization a competitive advantage?
- 4 Will the cost of my legacy systems limit my ability to modernize ?

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Cloud computing presents the opportunity to modernize your applications and your infrastructure, resulting in better capabilities and allocation of resources so your organization can focus on your core business.”

- **Thomas Kurian**, CEO,  
Google Cloud

**Our Mainframe Modernization will bring the following value proposition**

- Increase operational efficiency
- Increase agility
- Reduce baseline operating costs
- Reduce business risk
- Unlock business opportunities





## Google's Offering for Mainframe Modernization

Google Cloud and its partners offer the right technology, proven processes and experienced people to ensure your successful journey to the cloud. To modernize your mainframe an unmatched transformation spectrum is offered including:

### "Mainframe as a Service" and "Rehost - Emulation"

Rehosting options allow for a fast migration from On-prem to cloud infrastructure with minimal risk in a cost-effective manner while providing a first step of modernization.

### Refactoring / Code Conversion or Model Driven Development

Refactoring options will allow for a technology refresh and architectural upgrades with medium implementation time and moderate risk. This allows for a complete removal of the legacy landscape.

### Green Field Development or Commercial SW Replacements

Reimagining options allow for the use of most modern technologies, newer design patterns and improved business logic or removal of residual application source.

## Why Google?

In addition to great delivery and technology partners, Google's has its own accelerator to assist in modernizing your mainframe applications by performing an automated code conversion to allow getting your workloads migrated to GCP as it relates to rehost, replatform, and refactor. Our approach combines Google's engineering capabilities with decades of mainframe modernization experience. The Google Platform is a set of tools developed and proven over the last 25 years that transforms legacy mainframe applications to run natively on Google Cloud. With our mainframe modernization we've successfully taken customers from COBOL to containers in a matter of weeks.

- Google Engineering
- Professional Services Organization (PSO)
- Most Scalable / Reliable
- Dedicated, Experienced Mainframe Team
- Support for COBOL, PL/I, etc.
- SI Partner ecosystem to support large scale transformations

Google Cloud offers customers the ability to modernize their mainframe workloads to be run reliably on highly secure infrastructure while minimizing downtime risk. Multi-cloud choice and flexibility of a fully managed No Ops environment will free up operations budgets and the use of 100% renewable energy and zero net carbon emission will drive sustainability. Google Cloud's innovations in analytics, ML, and AI allow customers to drive new revenue streams, reduce costs, and surpass customer expectations.

Learn more: [cloud.google.com/solutions/mainframe-modernization](https://cloud.google.com/solutions/mainframe-modernization)