



Brochure

GenAI-assisted Application Migration & Modernization

With Google Cloud Platform



Navigating the New Era of Application Modernization with GenAI

Many organizations have made progress in their cloud journey by lifting and shifting simple workloads or adopting cloud-native applications. However, the real challenge lies in modernizing complex, custom enterprise applications built over years with multiple technologies and hidden interdependencies, accumulating technical debt, and often lacking proper documentation.

Modernization is no longer just a technology upgrade - it's a strategic imperative for agility, innovation, and cost efficiency. GenAI accelerates this shift by automating code refactoring, identifying dependencies, and optimizing workload placement while reducing risks and streamlining cloud adoption. Organizations that embrace GenAI-driven modernization can overcome legacy bottlenecks, enhance operational efficiency, and future-proof their applications for the cloud era.



Challenges

Legacy systems create business and technical roadblocks

Innovation Bottleneck

Outdated systems hinder agility, slowing down digital transformation and new business initiatives

Competitive Disadvantage

Legacy technology limits scalability and adaptability, making it harder to keep up with market demands

High Operational Risks

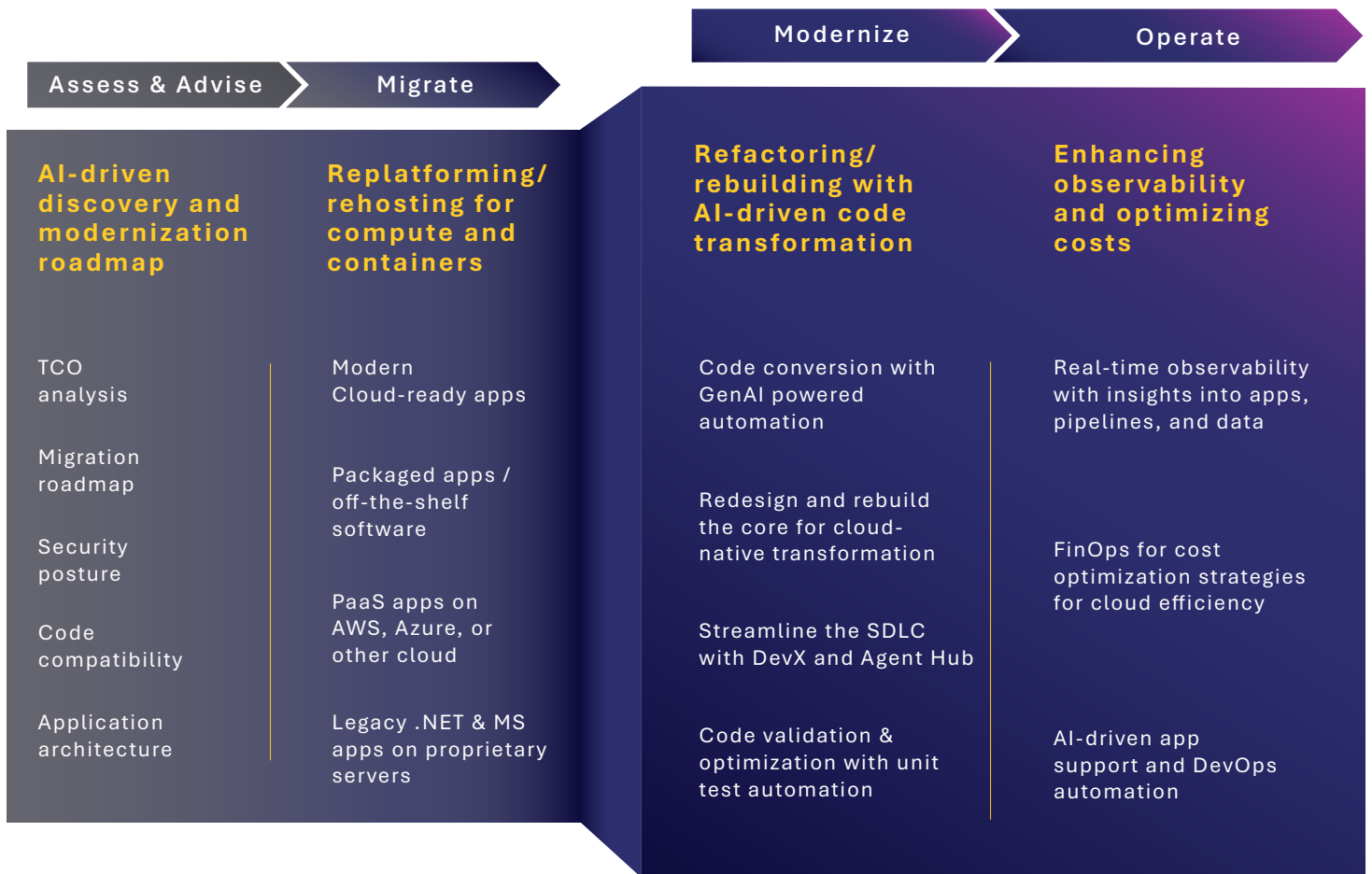
Aging infrastructure increases security vulnerabilities, compliance risks, and technology failures

Integration Issues

Legacy maintenance is expensive, with a shrinking pool of specialized talent and high vendor lock-in costs

Our Offer

To modernize legacy apps on Google Cloud

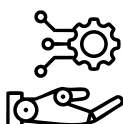


Advantages with LTIM



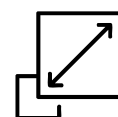
Strategic Partnership with Google

Early access to cutting-edge technologies, co-building innovative solutions, and leveraging global reach



GenAI-powered Tools & Accelerators

Industrialized modernization with GenAI-driven automation, reducing risk, effort, and time to market for seamless transformation

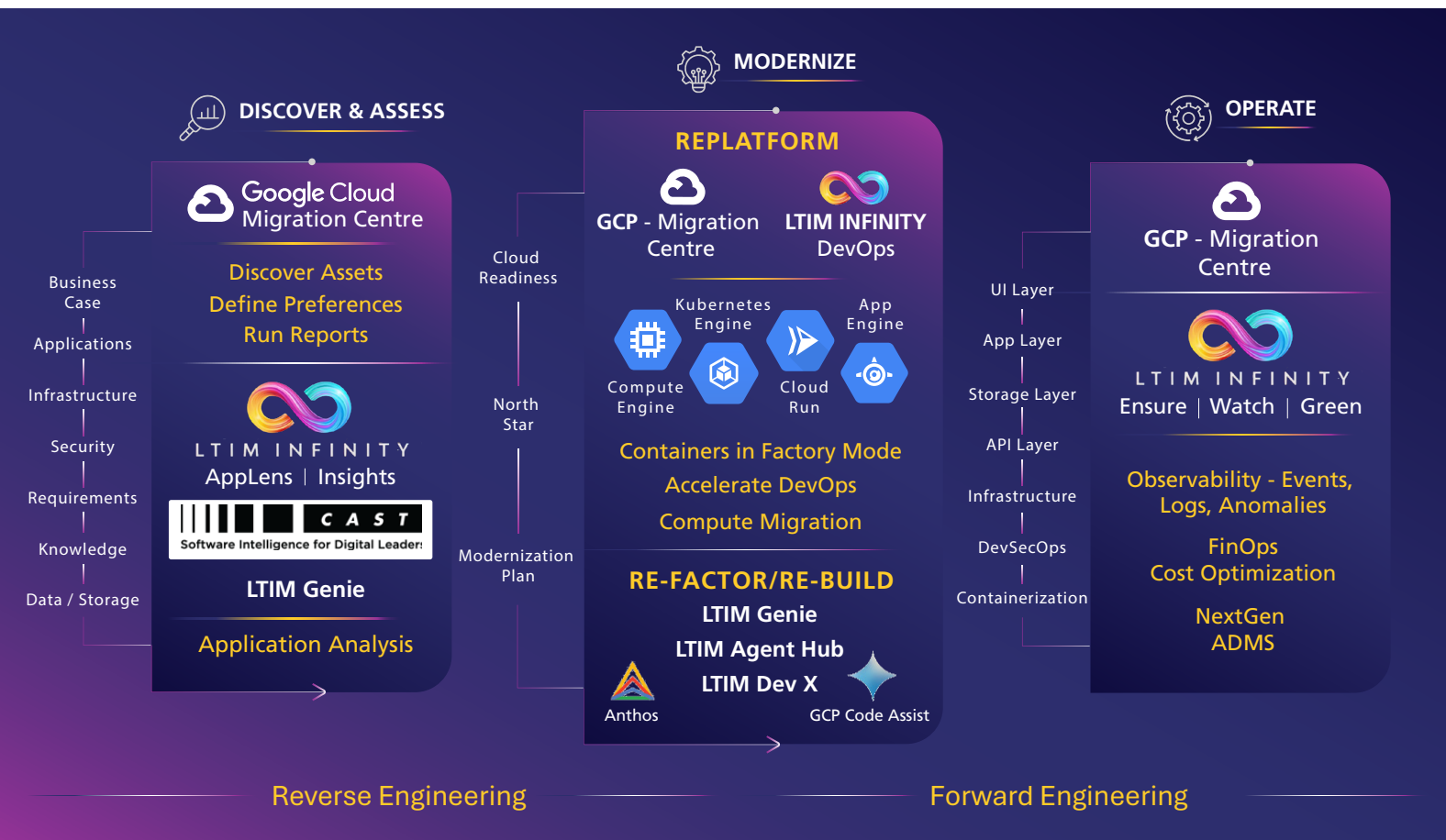


Flexible & Scalable Engagement Models

Fit-for-purpose adoption with layered approaches and innovative commercial models, tailored to business needs

Our Approach

A comprehensive approach to migration and modernization



Value Proposition

Faster Migration

with tools and pre-built templates ensuring minimal risks and disruptions

30%

Increase in productivity

GenAI-driven Discovery

to quickly assess apps, dependencies, and readiness for modernization

70%

Lesser time to discover

Cost Reduction

through ready-to-integrate accelerators and GenAI-powered engineering & SDLC

~40%

Reduction in OPEX

Client Stories



Transforming Legacy Systems with Seamless Integration

A leading U.S. consumer reporting agency

Automation & Deployment

- CI/CD framework using GCP DevOps services
- GCP Landing Zone with Terraform automation

Security & Compliance

- TSS, CIS-aligned security controls
- Version control for smooth rollouts

Scalability & Performance

- ReactJS, Python, Node.js, Microservices Optimization
- Blueprint templates for Cloud services

100%

Productivity gain with automated data creation

Zero

Defect leakage in production



Accelerating Cloud Migration with Automated CI/CD & Security

A global consumer goods company

Automation & Deployment

- Automated CI/CD with Cloud Deploy, Cloud Build, and Artifact Registry for faster deployments

Security & Compliance

- Implemented TSS and CIS-compliant security controls for a secure cloud environment

Infrastructure Provisioning

- Deployed GCP Landing Zone with Terraform for seamless provisioning

50%

Faster application environment provisioning

~15%

Reduction in vulnerabilities

Contact Us



Request a session
on our rapid modernization approach



Get an assessment
on cloud readiness of your applications



Get a tailored support roadmap
with a sample application

Write to us at dea.genai@ltimindtree.com

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