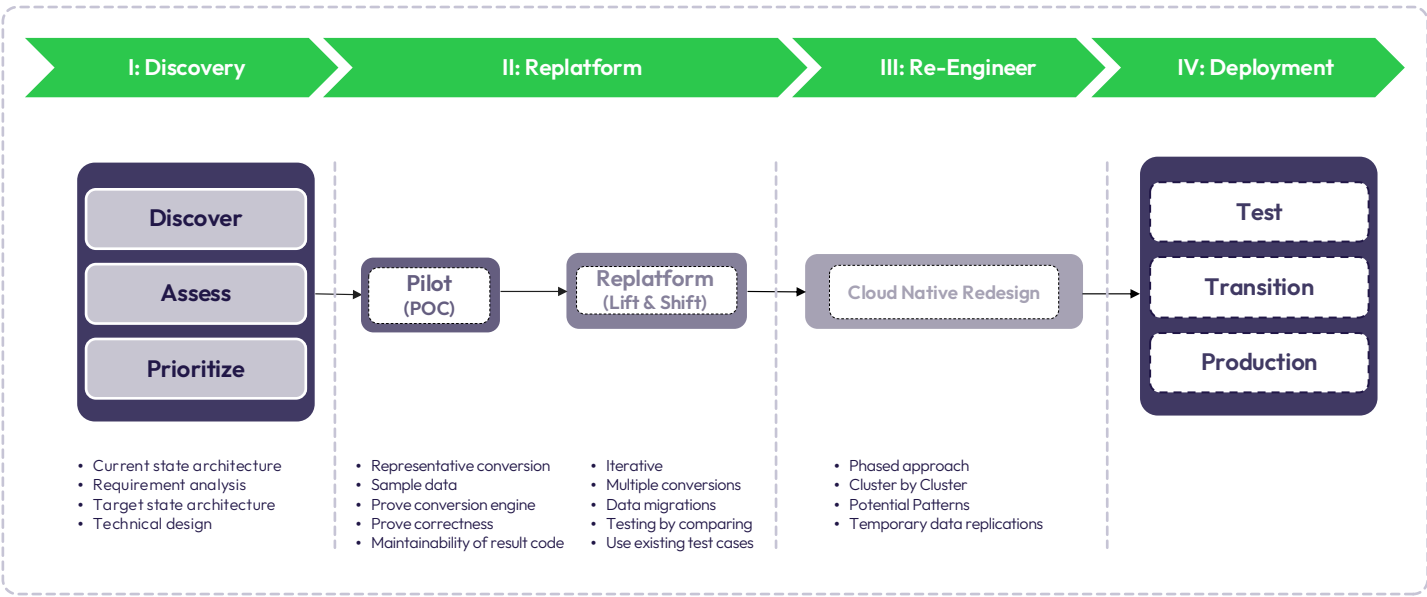# Accelerate Your
AWS to GCP Migration
with Brillio

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As your business grows, data volumes and performance demands evolve, and operational costs and security requirements increase. Brillio provides a comprehensive solution for migrating from AWS to Google Cloud Platform (GCP), addressing critical challenges like high failure rates, rigid legacy architectures, and inefficiencies in data handling. Our end-to-end approach leverages the latest in application reengineering and code refactoring, maximizing automation to modernize applications economically and safely. With Brillio, gain a flexible, secure, and scalable cloud infrastructure on GCP, optimizing for both immediate needs and future growth.

Our Phased Data App Migration Framework

Brillio leverages our application reengineering, code refactoring methods and tools to safely and economically transform data applications into modern cloud solutions through complete automation.

| I: Discovery | II: Replatform | III: Re-Engineer | IV: Deployment |

Discover
Assess
Prioritize

Pilot (POC)
Replatform (Lift & Shift)
Cloud Native Redesign

Test
Transition
Production

• Current state architecture
• Requirement analysis
• Target state architecture
• Technical design

• Representative conversion
• Sample data
• Prove conversion engine
• Prove correctness
• Maintainability of result code

• Iterative
• Multiple conversions
• Data migrations
• Testing by comparing
• Use existing test cases

• Phased approach
• Cluster by Cluster
• Potential Patterns
• Temporary data replications

Pre-Planning and Discovery: Laying the Foundation

Through a structured kickoff, we identify and catalog all applications and data within your AWS ecosystem, mapping out key stakeholders and assessing your current setup. We prioritize understanding your critical business processes and potential migration challenges to set a solid foundation.

What you get: Comprehensive Scope Document, including AWS infrastructure documentation, identified pain points, and expectations.

In-depth Analysis: Evaluating Compatibility and Costs

Our team assesses application compatibility with GCP, identifies necessary adjustments, and evaluates data structures and performance metrics. We conduct a cost comparison to estimate potential savings on GCP.

What you get: Application Inventory, Compatibility Report, and Data Migration Plan.

Define Strategy: Creating a Tailored Migration Plan

We select pilot applications, define migration approaches (lift-and-shift, replatforming), and develop a detailed migration plan. This phase includes designing the GCP architecture, defining team constructs, and setting the roadmap for implementation.

What you get: Migration Strategy and Implementation Plan, including architecture design, timelines, and budgets.

Replatforming: Migrating Applications and Data to GCP

Applications and data are migrated to GCP-compatible services with optimized configurations. We integrate applications with GCP storage solutions like BigQuery and Cloud Storage and ensure business continuity throughout.

What you get: Configured GCP environment with optimal performance and seamless data migration.

Re-Engineering: Enhancing for Performance on GCP

We refactor application code to optimize for GCP services, addressing compatibility issues and boosting performance. This stage includes incorporating GCP's security features and integrating additional GCP-native functionalities.

What you get: Cloud-native architecture optimized for GCP, with improved performance and enhanced functionality.

Deployment: Transitioning Smoothly to GCP

With a comprehensive deployment plan, we transfer refactored applications and data onto GCP, conducting rigorous testing for security, performance, and functionality to ensure smooth operation.

What you get: Verified application performance on GCP, security and performance test reports, and support materials for a seamless transition.

Brillio's Accelerators to Modernize Your Tech Stack

BrillioOne.ai – AI-powered Platform with GenAI infused, helping automation of code analysis, code transformation, data conversion, online testing, and batch testing.

Outcomes: Realize the Full Potential of GCP

- **Performance & Scalability:** Manage petabyte-scale data with >99.99% uptime and real-time analytics.

- **Business Intelligence:** Unlock smart BI and analytics through a semantic layer architecture.

- **Authorized Data Sharing:** Employ fine-grained access control for secure, authorized access.

- **Governance & Compliance:** Meet regulatory standards with row, column, and table-level controls, IAM, and policy tags.

- **AI/ML Support:** Tap into native Google AI services, including Gemini and BQML.

- **Data Flexibility:** Support structured and semi-structured data with schema-on-write.

- **Cost-Effective Backups:** Enjoy affordable point-in-time backups without complex tuning.

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ABOUT BRILLIO

At Brillio, our customers are at the heart of everything we do. We were founded on the philosophy that to be great at something, you need to be unreasonably focused. That's why we are relentless about delivering the technology-enabled solutions our customers need to thrive in today's digital economy. Simply put, we help our customers accelerate what matters to their business by leveraging our expertise in agile engineering to bring human-centric products to market at warp speed. Born in the digital age, we embrace the four superpowers of technology, enabling our customers to not only improve their current performance but to rethink their business in entirely new ways. Headquartered in Silicon Valley, Brillio has exceptional employees worldwide and is trusted by hundreds of Fortune 2000 organizations across the globe.

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