

# APPLICATION MODERNIZATION WITH GOOGLE CLOUD



IT ORGANIZATIONS ARE AIMING FOR APPLICATION MIGRATION AND MODERNIZATION TO GOOGLE CLOUD PRIMARILY FOR COST REDUCTION, TIME TO MARKET AND ENHANCED CAPABILITIES.

Capgemini helps reduce the application infrastructure cost by cloud migration program and application containerization to cloud. Capgemini's application migration program has defined blueprints and patterns to help customers quickly realize the results by bringing in maximum automation.

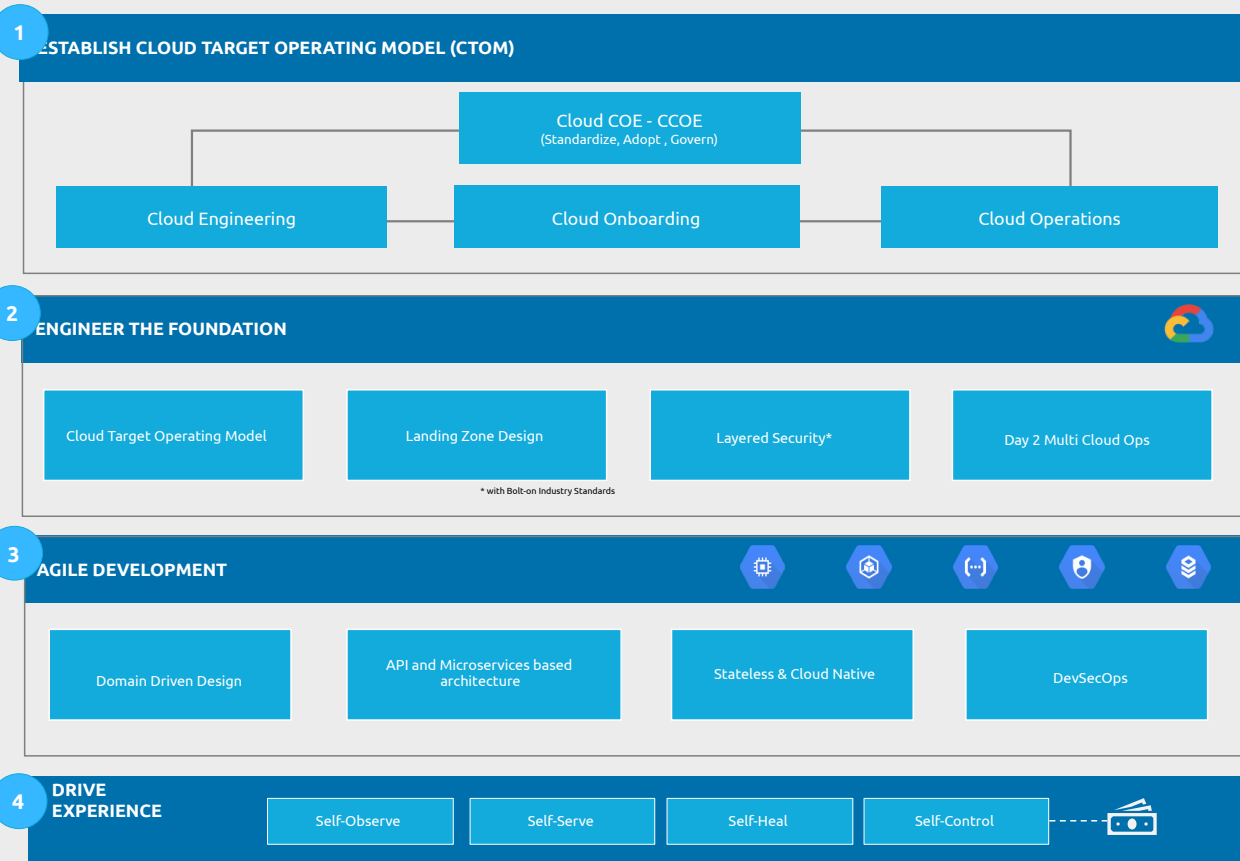
Capgemini's App Modernization program to Google cloud helps customers assess their IT estate and identify the right modernization treatment with cloud migration strategy as a packaged modernization solution.

eAPM, an industry-standard AI-based tool, is our proven technique to deliver fact-based answers to fast-forward your modernization initiatives. eAPM will diagnose your IT ecosystem to kick start your modernization journey with quick results.

Capgemini's Cloud-first approach can also drive down mainframe MIPS consumption cost by **25% - 35%**; this is achieved in a collaborative approach of Cap360 of Capgemini and Google G4.

Cap 360 for legacy is a framework with advanced analysis with an end-to-end capability for code analysis and automation. This capability helps us in reverse engineering by carving the roadmap for the modernization of legacy applications.

# Capabilities



## Our Approach

The Capgemini recommended approach on application modernization is a two-step process.

Application rehost/re-platforming followed by modernization to API-microservices-based architecture.

However, we determine the approach essentially by application state and business priorities.

## Capgemini's Google Cloud Platform App Modernization program includes the following distinct areas:

- Managing the automating the containers over multi-environment and cloud scenarios with Anthos
- Capgemini utilizes a visual toolset defining the cloud target operating model (CTOM) across nine areas of cloud operations.
- Engineering the foundation and bringing in automation by Google's Cloud Foundation Toolkit
- Scalable, API Microservices-based modular architecture utilizing Google's Kubernetes Engine and cloud functions for serverless execution and advanced API governance by Apigee.
- Continuous development, integration, and release best utilizing the Google build and other open-source DevSecOps toolchains

## Essential Toolset and Accelerators

- The Cloud Migration Factory (CMF) provides accelerated and industrialized migrations of x86 based and cloud-ready workloads to cloud platforms. The CMF will enable our customers to effectively, efficiently, and securely migrate existing virtual or physical servers to Google or a Capgemini-based cloud platform.
- Capgemini Cloud-Native Logical Architectures: This collection of Cloud Native Logical Architectures contains default logical views of common Cloud-Native infrastructures scenarios. These standard designs help teams to make faster design decisions.
- Capgemini CloudBoost Library: The CloudBoost library is Capgemini's internal Open-Source project ([InnerSource](#)); contributing back is essential.

## The Capgemini Advantage

Capgemini has over 13,000+ cloud and migration experts to help our customers accelerate their multi-cloud deployments journey. Capgemini has delivered over 5000 cloud projects with all flavors and gained unique expertise in the cloud space.

Also, Capgemini is Premier Partner with Google, which will help reduce SLA to get helpdesk support from the Google technical teams. Our unique skills on the Google cloud help our customers get quickly started on modernization by:

- Picking 100% VMW environment and convert with Migrate for Anthos
- Accelerated program driving a 3-4 months MVP1 Launch
- Maturity model enabling the digital services quickly, consistently, and cost-effectively

## Our Credentials

- 12,500+** Skilled personal supporting cloud platform globally with 5000 odd projects delivered successfully.
- 1,900** Google skilled resources, 800 Google certified professionals, 2,300+ Integration platform specialist on application development and modernization
- 15+** years of Infrastructure Engineering and Operations experience
- We serve **8 of the 15** world's largest banks and **12 of top 15** insurance companies
- Capgemini has matured its risk and mitigations on cloud programs by executing over **5,000** cloud projects across multiple clouds.