



Leverage Google Threat Intelligence
Mandiant Consulting Service
Mandiant Incident Response Services.

} Security & Risk Management

Static content (immutable)
ideal for caching
cloud storage + CDN

Dealer & Customer self service → Conversational Agents
Step by step guidance → Agent Assist

Analyze the interaction data → Conversational Insights

Cloud Armor → WAF Web App API Protection → against DDOS attacks.

Apigee → Proxy layer

AI safety with Model Armor & Apigee → proxy for GenAI Agents

Gateway b/w LLM App & models

IAP Identity Aware Proxy → verify user authorization policies @ App level (https)

both on cloud & on prem app

Implement zero trust access model

uses context like IP, user activity to approve or reject Access.

Cloud Asset Inventory → GC's metadata inventory service

view search export monitor analyse → asset metadata

Filter by location, time → metadata Discovery

Identify over public exposed APIs → to reduce attacks.

Audit trails, Debugging & Compliance Reports on resource changes.

Cross Region Replication

IAC: Deployment Manager, Terraform (Infra Automation Framework)
faster deployments, reduces human errors

Guaranteed RPO & RTO → Daily Snapshots X

Cloud Run has native traffic splitting b/w Revisions
Built in Canary development
90% old revision → new version of app deployed creates
10% new revision → continues to exist

Database Migration Service fully managed serverless, Minimal Downtime, SSL encryption

on prem other cloud self hosted database

Req: Transactions must remain online during migration with minimal downtime.

Cloud Endpoints
Internal API (small teams)
Cloud native
No analytics X

Limited Policy fine
Lightweight cheap

API Gateway
Medium external
Cloud Native
Basic analytics X
Basic X

Apigee
External partners
Large Enterprises
Cloud + Hybrid (on prem)
Advanced Analytics / Detailed Analytics
API Monetization SLA's
Dev Portal
Very Rich CoAuthz, threat protection, quotas, routing, rate limiting)
Heavy expensive

Basic Proxy + Extra logic

Governance + policy management

← Basic Proxy
OPEN API
gRPC spec support

Bigquery (partitioned tables to save cost)
clustered table for query efficiency

ZTA Identity First
Network later