

GFT > GET STARTED



Anthos: Application modernisation for regulated workloads

Is this you?



Does your organisation have legacy applications that are in desperate need of modernisation through the use of containerisation and cloud-native services? Are you concerned about digital sovereignty or must comply with regulation that requires some critical workloads to be hosted on-premise? Maybe you want to save licensing costs by migrating away from your on-premise container orchestration platform. Are you seeking a single management interface to manage your completed container orchestration platform hosted across public cloud and on-premise? Are you struggling to choose the right path? If so, you are not alone.

Organisations seek to modernise their applications to increase their agility and scalability, improve reliability and security, and reduce costs. They often fail to achieve these goals as the process is both time-consuming and complex. Finding the most suitable platform to manage these workloads is hard. This is where GFT comes in. We can help to analyse your precise requirements to ensure success right from the start. Read on to find out how to get started.

The Anthos advantage: enterprise computing is multi-vendor, hybrid and multicloud

In a technologically fast-paced, dynamic world, with constantly changing requirements around performance, the customer experience (CX) geo-location and regulation, the lives of both business and IT leaders are becoming ever more complex and increasingly difficult to manage.

Google Anthos, delivered by GFT offers all organisations a unique opportunity to maximise much needed ROI, whilst enabling application modernisation and the rapid delivery of new capabilities at cloud scale, via a single management layer. Anthos is already helping to change the way enterprises view the cloud, delivering the ability to run applications with consistent development and operations experiences across multiple public clouds and on-premise environments.

Flexible pricing tailored to suit your specific needs

Anthos pricing is based on a pay-as-you-go model.

It is transparent, predictable, flexible and cost-effective. You know exactly how much you will be charged for the resources you use. You can choose the resources you need and the Anthos components that you want to use. You only pay for the resources that you use, such as Compute Engine, Kubernetes Engine, and Cloud Storage. You are also charged for the Anthos components you use, such as Anthos Service Mesh, Anthos Config Management, and Binary Authorization regardless of location (on-premise using bare metal or vSphere, or in public cloud in AWS, GCP or Azure).

Get started with Anthos

Sounds great, right? But this is not the end of the story. Based on many years of hands-on experience, GFT recognises that each organisation's requirements are unique.

The foundational infrastructure services may be similar. However, the complexities of configuration, compliance, security, networking, apps, DevSecOps pipelines and processes will all be subtly different for each organisation. So, knowing how and where to start is never easy, both operationally and from a business case perspective.

That's why we offer the GFT Anthos Discovery Workshop where, using our extensive knowledge and expertise, we detail the benefits of choosing Anthos as the destination for your regulated workloads and application modernisation.

We can discuss migration strategies using tools like 'Migrate to Containers' and explain how to span workloads across multiple clusters in multiple regions for resilience, scalability, availability, and data sovereignty.

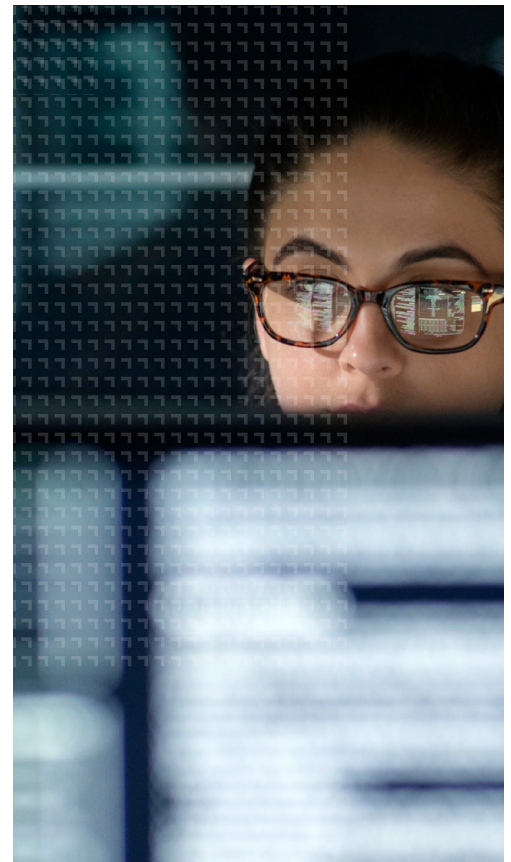
This will pave the way for true mobility and cloud-scale for your modernised and future applications across all the cloud service providers (CSPs).

During the workshop, we will determine your application modernisation challenges and objectives and recommend the next steps to help you realise those targets.

Statement of work

Based on the next steps determined during the workshop, GFT will present a fair and accurate statement of work, including detailed costs for the deployment of the Anthos platform and the associated services that can include the following activities:

- Security hardened Google Kubernetes Engine clusters managed by Anthos
- Integration with IAM, Anthos Service Mesh and Anthos Configuration Management
- Operational dashboards for observability and monitoring
- Training, consultation and support as required



Our Anthos Credentials

- GFT is a Google Cloud Premier Partner and one of a few global technology service companies with real-life Anthos deployment experience
- Google Cloud EMEA Breakthrough Partner of the Year 2019
- 325+ Google Cloud certified engineers and technicians
- Accredited and experienced Global Anthos Service Partner
- Experts in delivering cloud projects within highly regulated environments.



Our experts



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About GFT – Shaping the future of digital business

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GFT Technologies SE is a global technology partner focused on digital transformation. Founded in 1987, we have over 10,000 specialists in 15 countries.

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GFT > SUCCESS STORY



Website migration to Google Cloud Anthos on AWS leading global stock exchange

Building out a highly secure Anthos PaaS running on-premise, AWS and GCP

The challenge



The client is exiting a data centre and requires all of its client-facing websites to be containerised and migrated to Anthos

- The client wanted to have a flexible PaaS built on GKE and Anthos that would allow it to cope with burst traffic. Volumes have increased significantly due to COVID
- The central cloud team had limited knowledge on how to build an Enterprise level cloud PaaS
- The client wanted a highly secure environment that integrated with its security standards and ambitions to automate deployments to the cloud
- The containerisation had challenges with stateful application patterns.

The engagement



Building out infrastructure patterns with Anthos, GKE, Terraform, Vault, Twistlock, BlackDuck, Helm, GitLab

- GFT, in collaboration with the client, built out a series of GCP infrastructure patterns to allow project teams to accelerate the adoption of Google services – everything in code
- A GFT engineering team made up of Anthos/GKE experts and DevOps automation engineers created a highly secure platform with DevSecOps pipelines that can be deployed into the client's hybrid environment whilst adhering to the organisation's various regulatory and governance frameworks
- The patterns included secrets and certificate management using HashiCorp Vault
- As the applications are client-facing on the public internet, ie. vulnerability scanning and container security are paramount. GFT deployed DevSecOps pipelines to ensure that security levels required by a large international exchange were met
- GFT worked closely with the client to develop its security posture for containerisation.

The benefit



Enabling an enterprise-wide Anthos/ GKE operating model

- The Anthos design pattern will be used for all public-facing websites (approx. 30 applications). The client now has a highly secure, automated environment that can autoscale across AWS and GCP
- The client has now asked GFT to provide enterprise support for the platform and to use the reference design for other areas of this large international business.

GFT > SUCCESS STORY



Migrate and modernise Guidewire platform for a UK insurer

GFT provided a scalable and secured hybrid
cloud solution

The challenge

Modernise insurance policy and billing management platform for a tier 1 insurance company and migrate to Google Cloud

- The client wanted to avoid the extended support cost of their EoL (End of Life) policy / billing management platform and the refresh costs of its aging on-premise hardware estate that hosted the policy / billing platform
- The requirement was to upgrade the policy management platform, migrate to Google Cloud to support evolving needs and to modernise the hosting platform to take advantage of containerisation benefits
- The hybrid cloud platform had to be highly available, compliant, secure, flexible, scalable and simple to manage and monitor
- A codified architecture blueprint was needed to allow repeated deployments to enable future digital transformations through a secure software supply chain.

The engagement

An expert partner:

- Integrated Google Cloud services with the client's on-prem services
- Delivered Google Cloud's Bare Metal solution for Oracle
- Containerised legacy applications (e.g Guidewire) to make them portable and easier to deploy and scale in the cloud
- Hosted containerised workloads on GKE multi-clusters, managed using Anthos Config Manager (ACM) and secured using Anthos Service Mesh (ASM)
- Employed DevSecOps practices and tooling
- Used SAST tools like Bridgecrew and Prisma Cloud to ensure IaC and images for containerised applications were secured and compliant.

The benefit

A flexible, secured and a scalable platform to support client's evolving needs

- Provided a modernised, flexible, secured and scalable platform architecture blueprint that can be deployed repeatedly to support the client's future digital transformation
- Anthos and the SAST tools helped simplify the shift left security implementation, improving the platform's security
- Reusable components of the solution have become the blueprint for cloud migration projects.