

## THE CHALLENGE

As Google Cloud adoption increases and enterprises continue to deploy workloads, business lines and individual project teams start onboarding applications into GCP. These deployments are often not managed centrally and lack defined policies and guardrails which inevitably lead to a constant struggle with the overall governance and management of cloud infrastructure.

A lack of governance, accompanied with increasing consumption of cloud resource, results in impaired operational visibility and decision making, elevating the risk to service availability, security compliance and cost control. To address these issues a consistent method, based on best practices, is needed for identifying and grouping resources across GCP. This is important not only for greenfield deployments, but also repatriating existing GCP projects where multiple workloads may have already been deployed on top of a foundational landing zone.

This is where labelling in GCP comes in. Labelling is the cornerstone to effective cloud governance and enables cost allocation, budgeting, financial reporting, chargeback or showback, cost optimisation, compliance, and security. These elements can only be properly facilitated where there is a suitable labelling strategy in place.

## OUR APPROACH

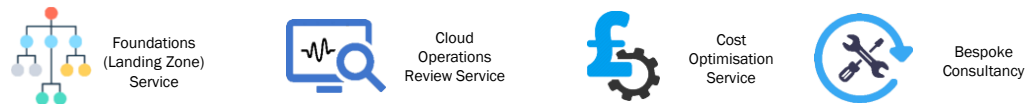
At Computacenter we take an approach that ensures organisations have the means to centrally implement and manage labelling as an integral part of their GCP foundations. Our experience in applying labels in production deployments has allowed us to develop a set of best practices that leverage policy defined guardrails and automated resource provisioning using Infrastructure as Code. We can provide a base set of labels ready for customers to implement immediately and also work consultatively with customers to define and develop specific labelling policies to meet the individual requirements of an organisation.

Furthermore, using Computacenter developed tooling, we have automated the process of identifying existing resources created without labels across a GCP organisation, and retrospectively label in line with a customers defined labelling policy. This ensures that all existing GCP users have their resources uniformly labelled no matter when and how their resources were created and facilitates both centralised management and accurate financial reporting.

Using our skilled, accredited and experienced consultants Computacenter can engage in a flexible manner to help customers implement a fully automated GCP labelling strategy, either as part of our core GCP foundations and optimisation services, or as a bespoke engagement.

## EXTEND FOUNDATIONS TO CREATE A LABELLING SOLUTION

Labelling is a key tenant in our Foundations (Landing Zone service), where we ensure all provisioned resources are automatically labelled in line with defined policies and implemented guardrails. Our Cost Optimisation and Cloud Operations review services both include labelling as a key area of investigation and proposed remediation where we find drift from best practices across an existing GCP deployment.



We have a range of solutions for labelling that reflect the different requirements we see in organisations. These can address a number of use cases but all will assist a customer in defining and implementing a centralised labelling policy and ensuring resources can be correctly identified.

