Google Cloud Platform Snapshot

CloudBolt software

Google Cloud Platform

» Empower IT innovation

» Leverage scalable resources

» Simplify developer workflows

Google Cloud Platform (GCP) is a cloud computing platform with a global presence for building, testing, and running applications and services that run on the same infrastructure that Google uses internally for its end-user products. It has led the way for Kubernetes orchestration for containerization, which has now become the enterprise standard across most cloud provider and on-premises solutions.

Many enterprise customers are increasingly looking to GCP to leverage enterprise-grade hybrid cloud containerization workflows and big data analytics on demand, and for infrastructure-as-a-service (IaaS) and platform-as-a-service (PaaS).

BigQuery provides a data warehouse and analytics on demand by creating a logical data warehouse over managed, columnar storage, as well as data from object storage and spreadsheets. Google has joined the other big cloud providers with serverless computing using its Cloud Functions.

BALANCING INNOVATION WITH IT VISIBILITY AND CONTROL

Development and engineering teams are some of the largest consumers of cloud and transient resources. As developers test applications or IT systems, they need to quickly spin up virtual machines and other resources while controlling costs. In many cases, they wind up building their own servers outside the control of IT.

Because end-users can deploy complex applications to public cloud platforms, this can lead to mismanagement of resources, server sprawl, and servers vulnerable to network and cyber-attacks. End-users can become mired in complexity as they attempt to provision resources, while IT teams can lose visibility and control over those resources if a process in the workflow fails.

Moreover, IT administrators and end users are challenged by what seems like an infinite number of choices that must be made before they can successfully launch and provision cloud resources and services in most public clouds.

HYBRID CLOUD MANAGEMENT

GCP provides a way for enterprises to have containerization on premises with their GKE On-Prem solution, as well as in their public cloud. Containerized infrastructure can be running where it's best suited for the enterprise. As enterprises adopt new technologies and services from many providers, they will have to deal with complexity.

CHALLENGES

As enterprises adopt GCP along with their other infrastructure resources running in other public clouds and in their data centers, IT must respond to growing complexity, problematic provisioning, and insufficient visibility and control.

IT needs a solution that provides a single platform that safeguards users from overspending, as well as secure role-based access to a standardized platform that gives them the extensibility to connect to both new and legacy technologies.

CLOUDBOLT AND GCP

CloudBolt brings an intuitive framework, self-service capabilities, and a unified manager that speeds up the provisioning of resources and simplifies management. The combination shields end users from complexity introduced by public cloud providers such as GCP while still giving them access to the resources they need.

Meanwhile, enterprise IT departments maintain control over and visibility into those resources through configuration standards, usage quotas, and cost transparency. The CloudBolt platform's self-service interface also allows end users to track actual and estimated costs of resource usage.

ONE VIEW. MANY CLOUDS.
Automation. Flexibility. Control.

CloudBolt's hybrid cloud platform enables enterprise IT departments to build, deploy, and manage private and public clouds quickly and efficiently. The user-friendly portal hides the complexities of hybrid cloud, giving end users the ability to manage and provision resources on demand, while administrators set provisioning conditions for governance. With CloudBolt, IT leverages its investment and controls costs while increasing flexibility and agility.

Google Cloud Platform

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