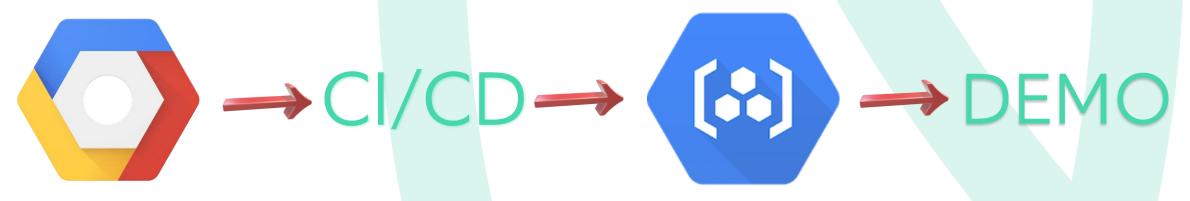




GCP For DevOps



AGENDA



Overview to the Google Cloud

Continuous Integration
And
Continuous Deployment
with Google Cloud Platform

DevOps tools GCP



Google Cloud Platform





SERVICES ARE PROVIDED BY

Google

USES SAME INFRASTRUCTURE OF RELAIBLE INTERNAL SOFTWARES



SERVICES OFFERED INCLUDE

NETWORKING

STORAGE

MACHINE LEARNING TOOLS

CLOUD MANAGEMENT

DEVELOPERS TOOLS SECURITY

BIG DATA INTERNET OF THINGS.

COMPUTE ENGINES



COST
EFFICIENT
WITH
COMMITMENT
OF GOOGLE





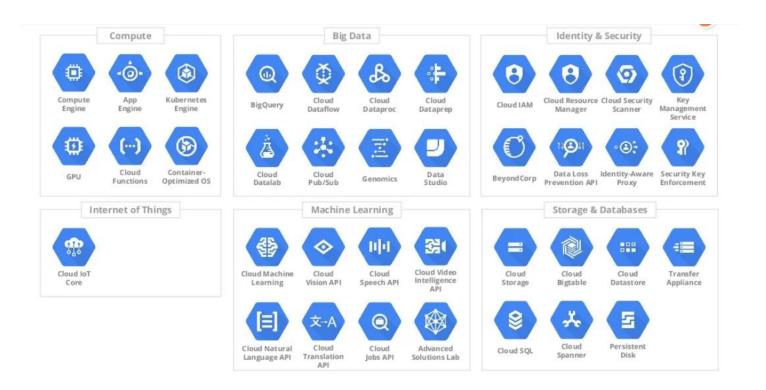


- Google Cloud will continue expanding into the following regions:
- Doha (Qatar)
- Turin (Italy)
- Berlin (Germany), Dammam (Kingdom of Saudi Arabia)
- Tel Aviv (Israel).

Services





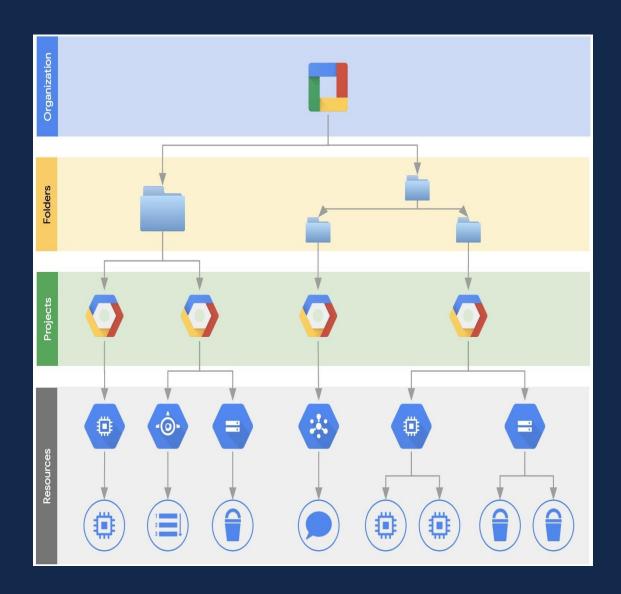


More than 100+ services





GCP Resource Management



- Cloud Resource Manager provides project management & IAM functionality.
- The top level component is the GCP organization.
- An organization is tied to a GSuite OR a Cloud Identity account
- Most of the available resources are deployed into a project.
- A project is the main isolation "container" in GCP

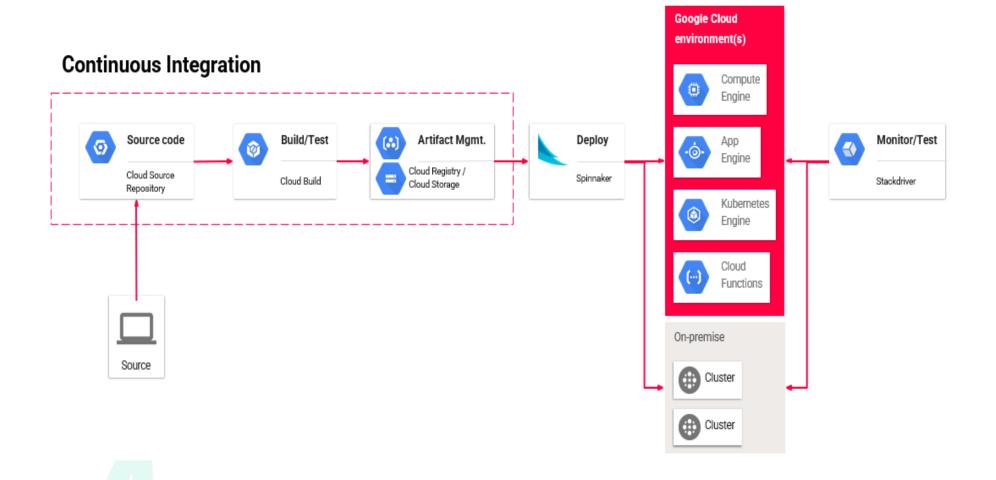


CI/CD Using GCP



Continuous Integration and Delivery on GCP







Cloud Source Repository

Google Cloud Source Repositories provides Git version control to support collaborative development of any application or service, including those that run on Google App Engine and Google Compute Engine











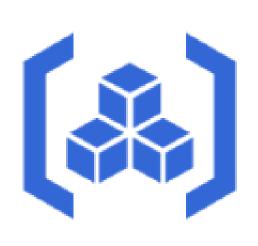


Cloud Build API

• Cloud Build, Google Cloud's continuous integration (CI) and continuous delivery (CD) platform, lets you build software quickly across all languages. Get complete control over defining custom workflows for building, testing, and deploying across multiple environments such as VMs, serverless, Kubernetes, or Firebase.

Artifact Registry

• With Artifact Registry you can store and manage your build artifacts (e.g. Docker images, Maven packages, npm packages), in a scalable and integrated repository service built on Google infrastructure.

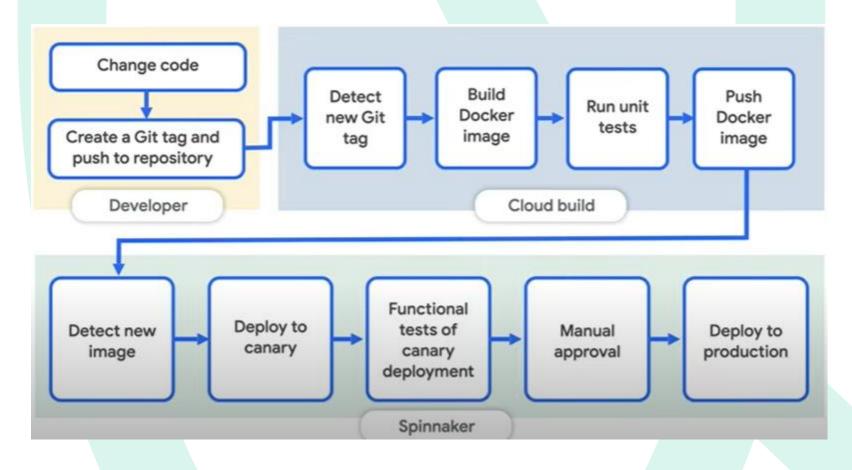






Spinnaker

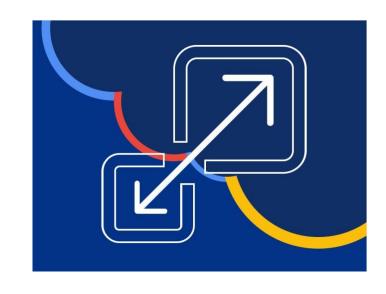
Spinnaker is a free and open-source continuous delivery software platform originally developed by Netflix and extended by Google.



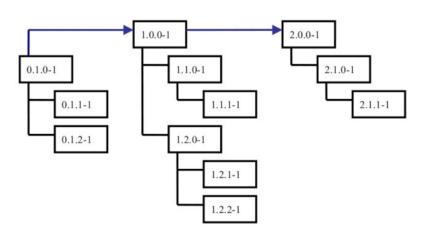


App Engine





Autoscaling



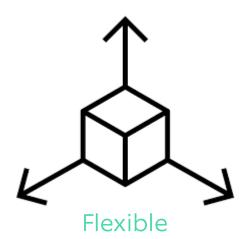
Versioning

Compute Engine



- IAAS
- More Flexible
- Chose OS and type of Hardware









Monitoring



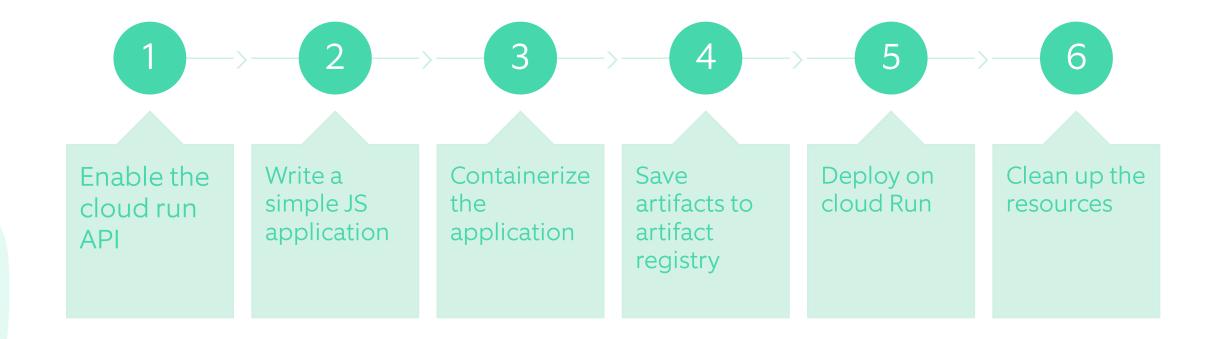


Error Reporting





"Hello World" Cloud run application





Thanks!!

