What is serverless?

- Serverless is the native architecture of Cloud
- Build applications without thinking of servers
- No maintenance overhead – provisioning and scaling
- Abstracts away the overhead of scaling up or down
- Reduced cost of ownership
- High Availibility

Google App Engine

- Compute Serverless Option in GCP
- Auto-Scaling of Applications to handle huge traffic
- Only Pay for infrastructure and usage time
- No maintenance overhead – provisioning and scaling
- Supports all runtimes – Python,Java,Go,PHP ,Node etc

Google App Engine Environments

STANDARD

- Pre-configured Runtime environments
- Easy to build and deploy applications
- Secure and Sandboxed environments
- Supports specific versions of :
  - Python
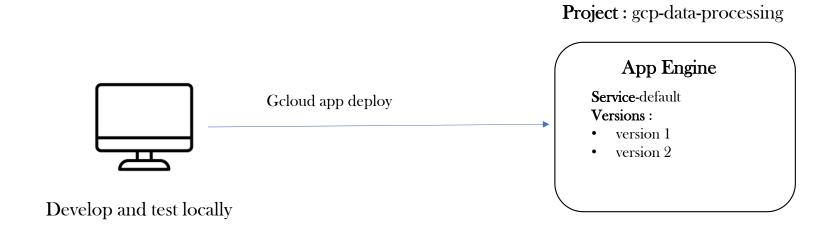 - Java
  - PHP
  - Node
  - Ruby
  - GO

FLEXIBLE

- Overcomes the runtime limitations of Standard Env
- Flexibility to customize the runtime versions
- Custom Docker Image or Dockerfile
- Supports specific versions of :
  - Python
  - Java
  - PHP
  - Node
  - Ruby
  - GO
  - .NET

Google App Engine

Project : gcp-data-processing

App Engine

Service-default
Versions :
- version 1
- version 2

Gcloud app deploy

Develop and test locally

Google App Engine

Project : gcp-data-processing

App Engine

Gcloud app deploy

Service-default
Versions :
- version 1
- version 2

Service- another-service
Versions :
- version 1
- version 2

Develop and test locally