Google App Engine

- Compute Serverless Option in GCP
- Only Pay for infrastructure and usage time
- Supported runtimes : **Python,Java,Go,PHP & NodeJs**
- No maintenance overhead :
    - Provisioning
    - Scaling
    - Logging
    - Monitoring & diagnostics
    - Load balacing / Traffic splitting

- **Use Cases :**
    - Web based applications
    - Microservices
    - Data processing applications

- Stateful and Stateless Applications
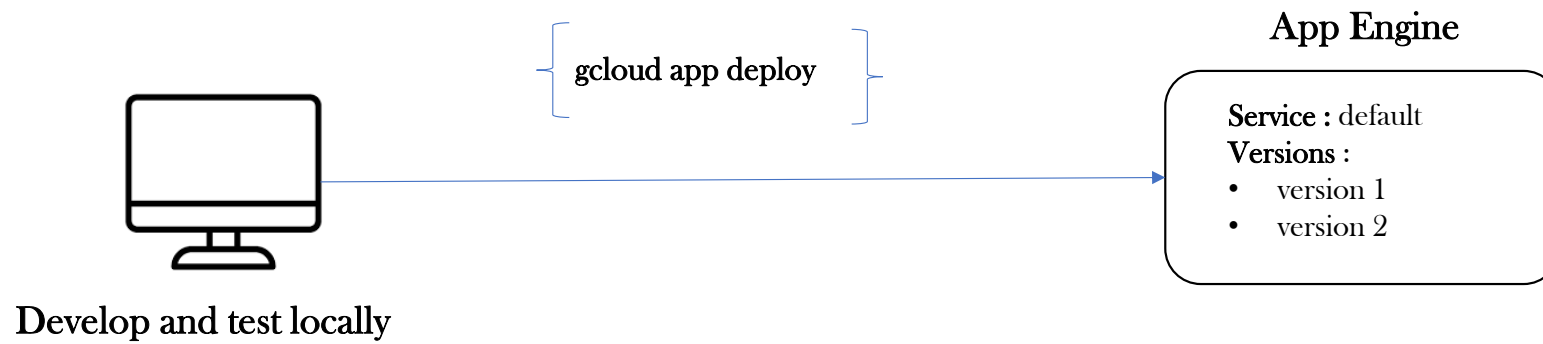
Google App Engine

STANDARD

- Pre-configured Runtime versions
- **Ref :** https://cloud.google.com/appengine/docs/standard
- Secure , Sandboxed & easy to deploy
- 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
- Supports :
    - Python
    - Java
    - PHP
    - Node
    - Ruby
    - GO
    - .NET

Google App Engine

gcloud app deploy

App Engine

Service : default
Versions :
- version 1
- version 2

Develop and test locally

Google App Engine

App Engine

Service : default
Versions :
- version 1
- version 2

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

gcloud app deploy

Develop and test locally