

Section 12: app engine

Serverless environment for deploying microservices

- Runs docker containers
- Support for multiple languages
 - * Python
 - * Java
 - * More
- Can be run locally without app engine SDK
- allows for custom health checks
- Higher CPU + Mem limits
- Region Based not Zone Based

Deploying an app to App Engine

- apps deploy on app engine managed clusters
- automatically include scaling
- default = dynamic instance
 - but can be changed to Resident instance but that removes scaling
 - Is permanent

App YAML Configs

Include

- Target cpu utilization
- Target throughput utilization
- Max concurrent requests etc.

App Version Traffic Splitting

→ to test out new versions

3 ways

1. IP → sticky
2. HTTP cookie → preferred since IP can change
3. Random Selection
 - stateless applications

Quiz 6!