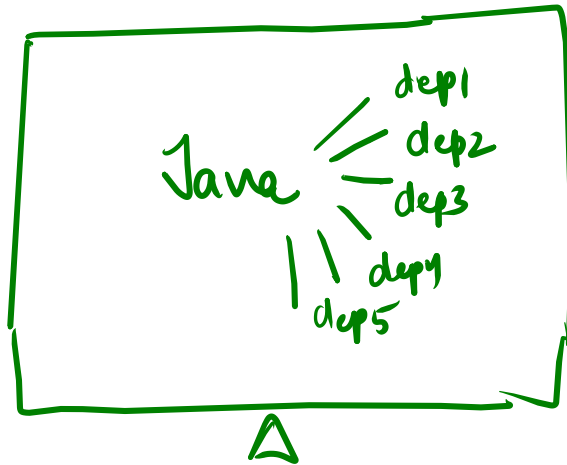
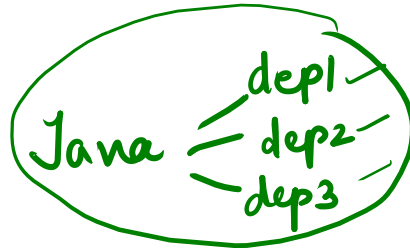


Managed compute platform that lets you run containers directly on google Infrastructure.

Cloud Run <sup>7</sup> → Launched in 2019

→ Create the Infra  
and deploy the app  
in container.

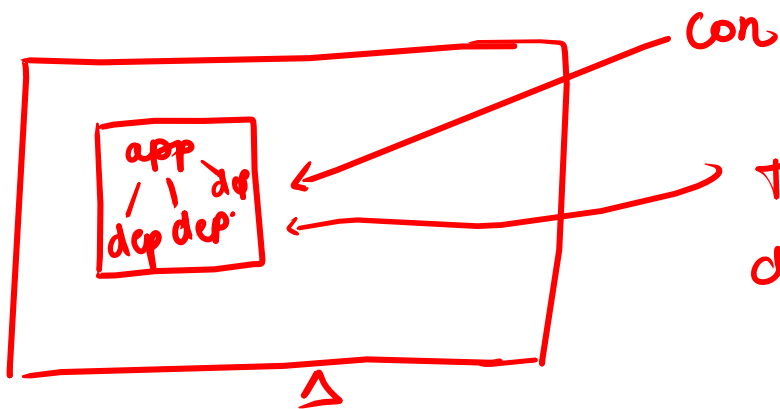
Understand container :-



VM ←

This Java app requires 100+ dependency to run. Installing so many dependency is very difficult.

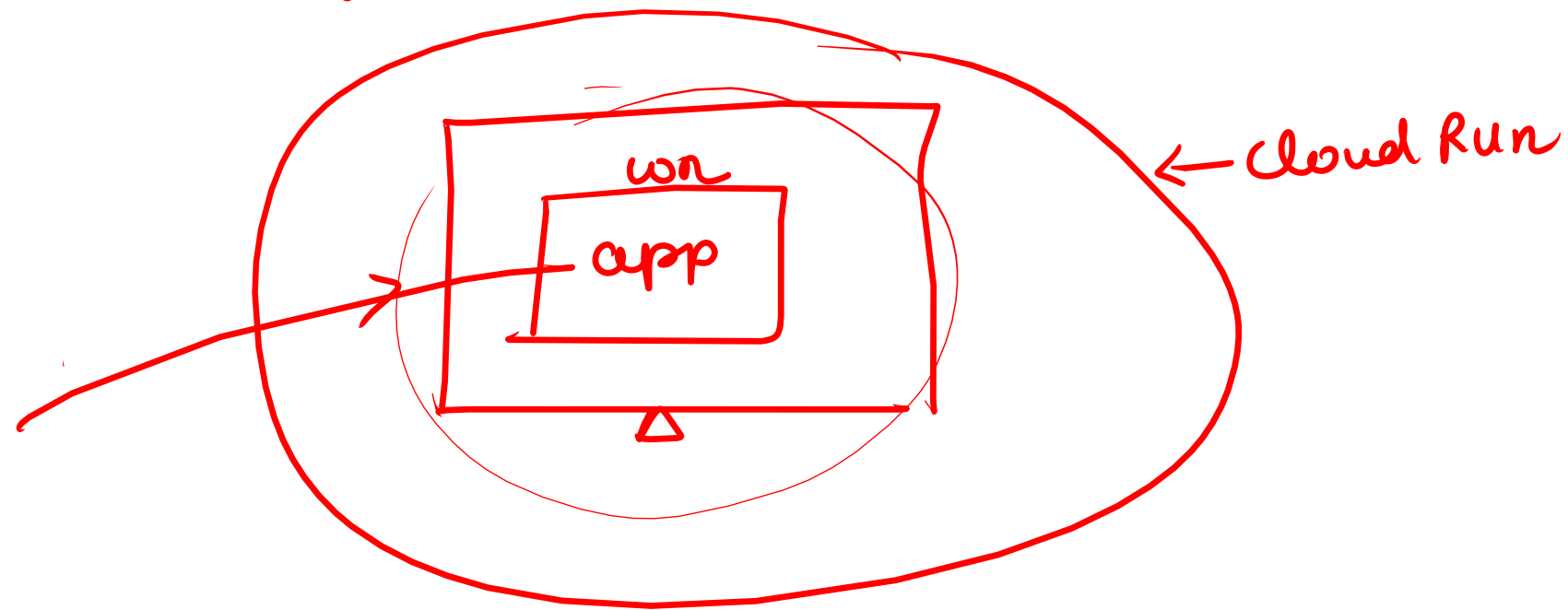
lightweight standalone, executable package of software that includes everything needed to run a piece of software -> Code, runtime, libraries, environment variable



This container runs inside the VM but all dependencies is present within the container.

→ you can deploy the code written in any programming language.

→



The app in ~~is~~ inside containers can be accessible through web requests or api calls.

→ Cloud run offers automatic scaling.

→ you need only pay when ever you are using.

→ It is serverless → you will not access to Infra created by cloud Run

→ It is similar to AWS fargate service.

## Cloud Run

Deployment unit:	container images
Language :	any language
Flexibility:	High - Bring ur own runtime ,library
Scalability	Autoscales
Pricing	Per request
Customisation	Full control
Startup latency	very low
Devops control	High
Ideal for	Microservice , API , containerised app

## Appengine

source code + app.yml config
specific language
Limited
Autoscales
Standard: per instance + useage
Flexible: VM pricing
Limited
very low (standard)
high (flexible)
Low
Quick web application, monolithic app

Use cloud run if:

- > you want to deploy the containerised application
- > you need full control over runtime, dependencies and language
- > You want portable workloads
- > you want flexibility and serverless billing

Use app engine if:

- > you want zero devops overhead
- > you are using supported language
- > you need fast deployment from just ur source code