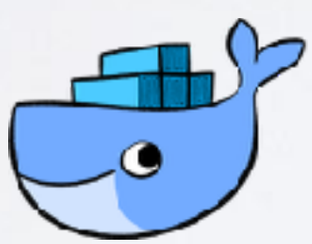
AGENCY REVOLUTION

IMAGINE. THE AGENCY OF YOUR DREAMS.

SCALABILITY WITH DOCKER, KUBERNETES AND GCE



OUR PRODUCT @ SCALE

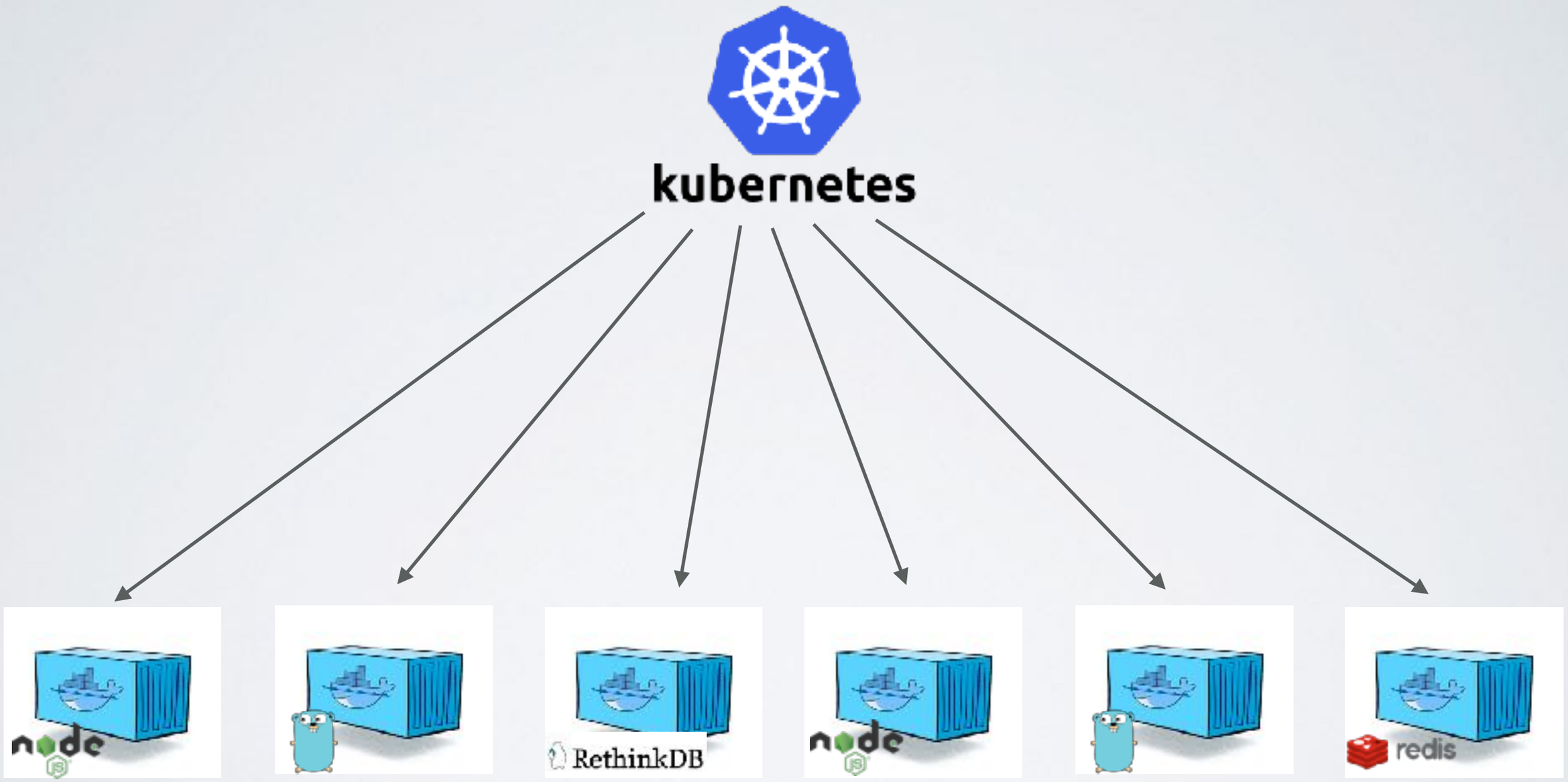
- Our B2B product: Automation Marketing
- A mono repository with 150 applications

HOW CAN WE SCALE?

- How can we manage that many applications in term of deployment?
- How can we scale that many applications in production?
- We are all developers, not sysadmin!

SOLUTION?

CONTAINER @ SCALE



BUT WHY?

- Unified access interface to all applications
  - docker {build, run, logs, restart…} → Simplicity
- Unified running environment
  - Build, ship, run anywhere
  - Dev ~ Test ~ Staging ~ Production

→ Consistency

→ Repeatability

SO?

Simplicity

Consistency

Repeatability

Maintainability

Extendability

!

BUT HOW SIMPLE?

- Manage multiple kind of applications (node, go, db…) with docker
- Scale application with Kubernetes (in Google Cloud)

LOCAL DEVELOPMENT WITH DOCKER & DOCKER-COMPOSE

- One CLI to bring up the whole local dev environment - **Simplicity**

- Configure once, reused & replicated by all developers - **Repeatability**

- If it runs on my local, it will run on production - **Consistency**

  - The different between DEV & PROD should only be environment variable values!

DEMO

https://github.com/ntquyen/demo_docker_k8s_gke

LOCAL DEVELOPMENT WITH DOCKER & DOCKER-COMPOSE

RUNNING DOCKER IN GOOGLE CONTAINER ENGINE (GKE)

- One CLI to create a cluster, ready within 4 mins
- Cool Kubernetes Dashboard to let you manage almost everything
  - Create/Delete application
  - Rolling Update application with zero downtime
- Cluster auto scaling
- Container auto scaling

AGENCY REVOLUTION

IMAGINE. THE AGENCY OF YOUR DREAMS.

QUESTIONS?

Hey btw, we are hiring!