

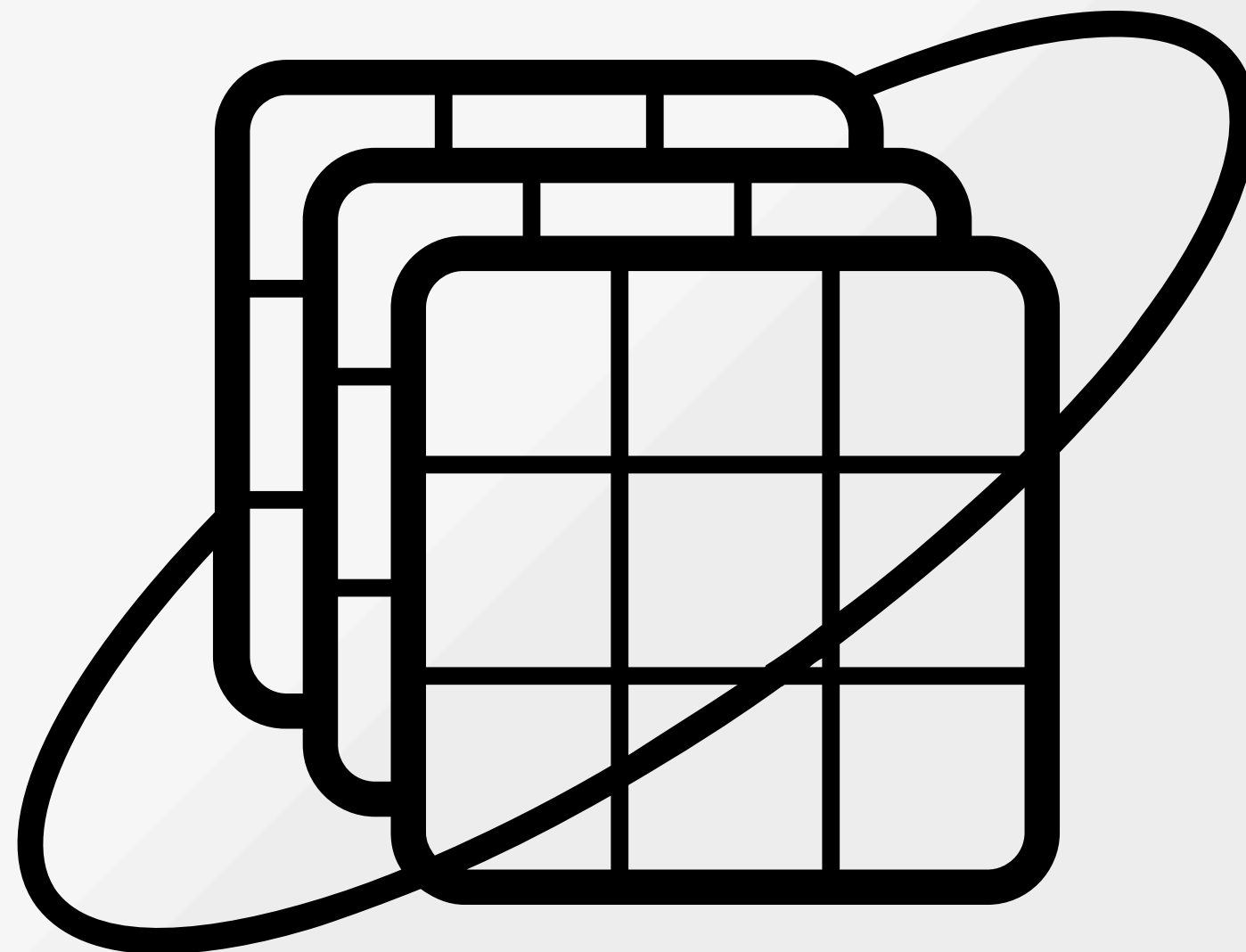


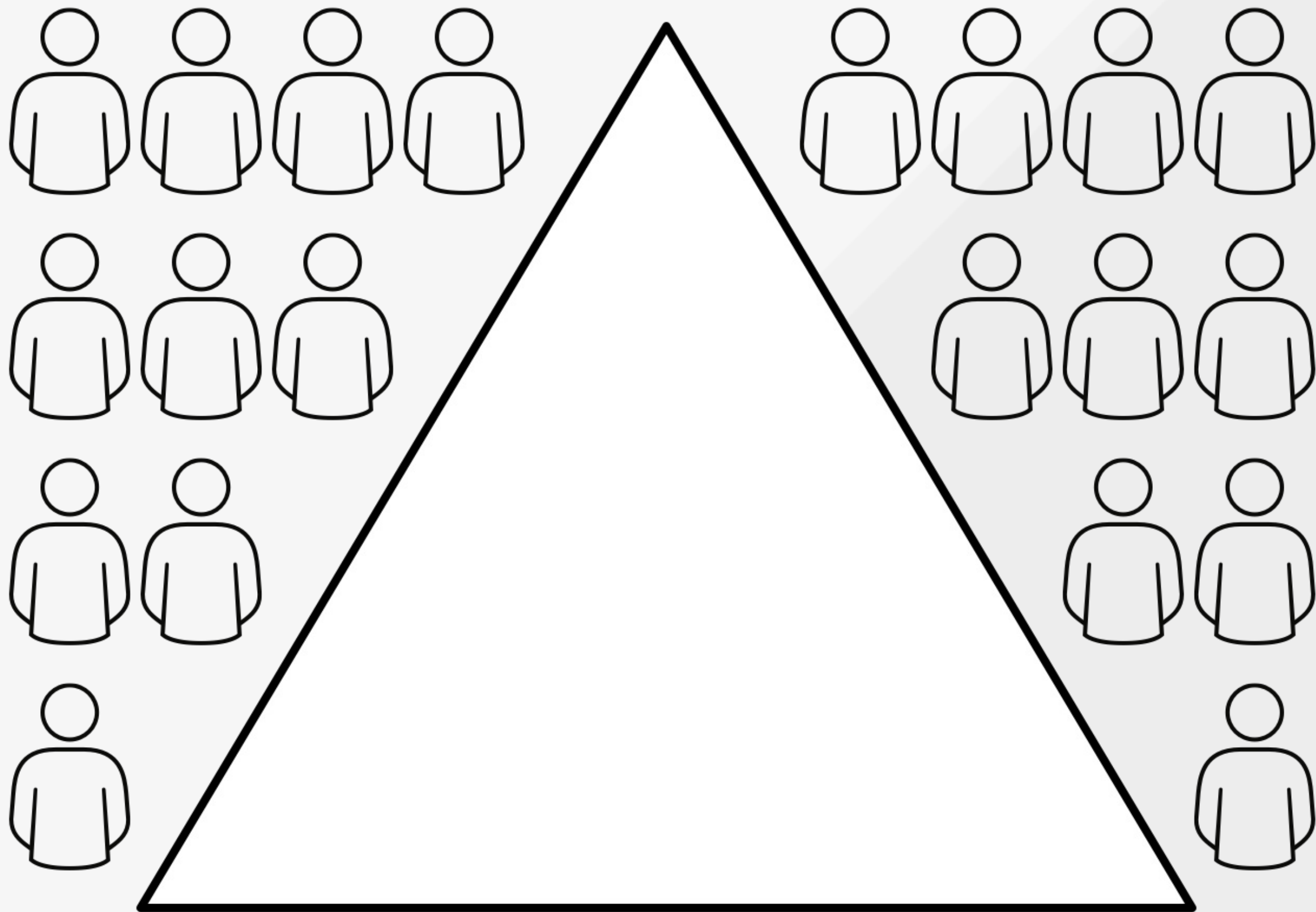
WHY CONTAINERS ?

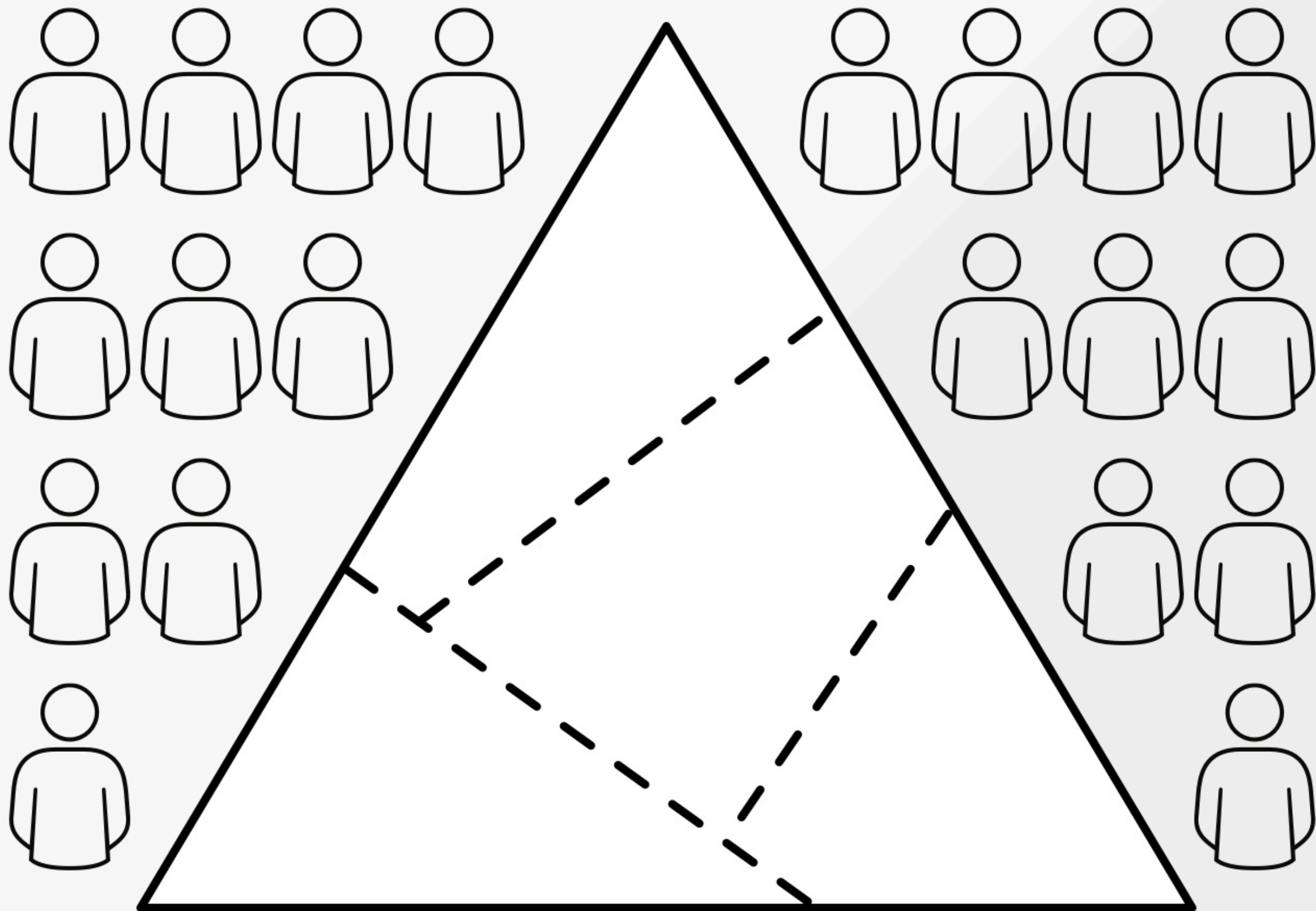
IThinkpark, 20.10.2017

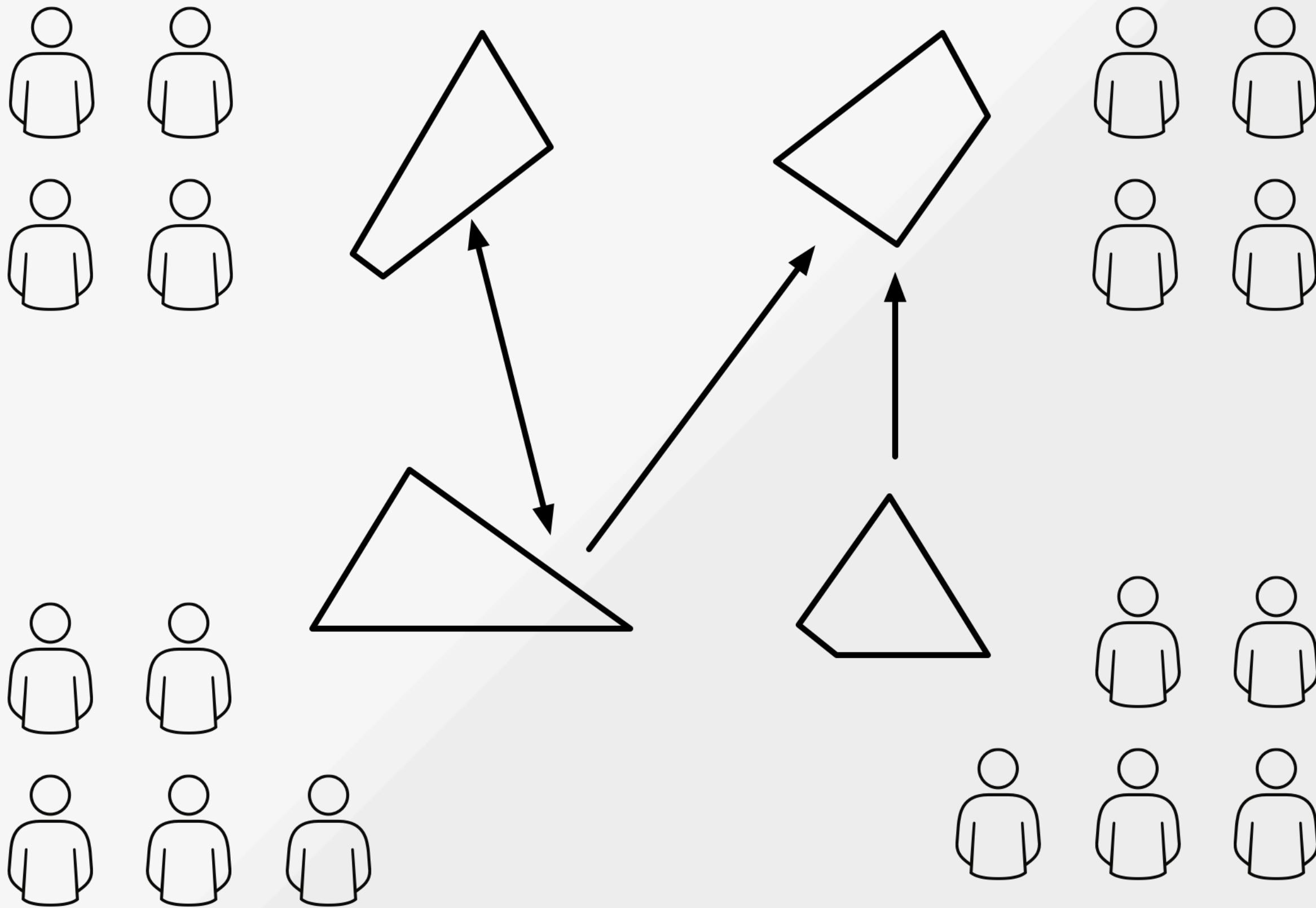
Dr. Roland Huß, Red Hat, @ro14nd

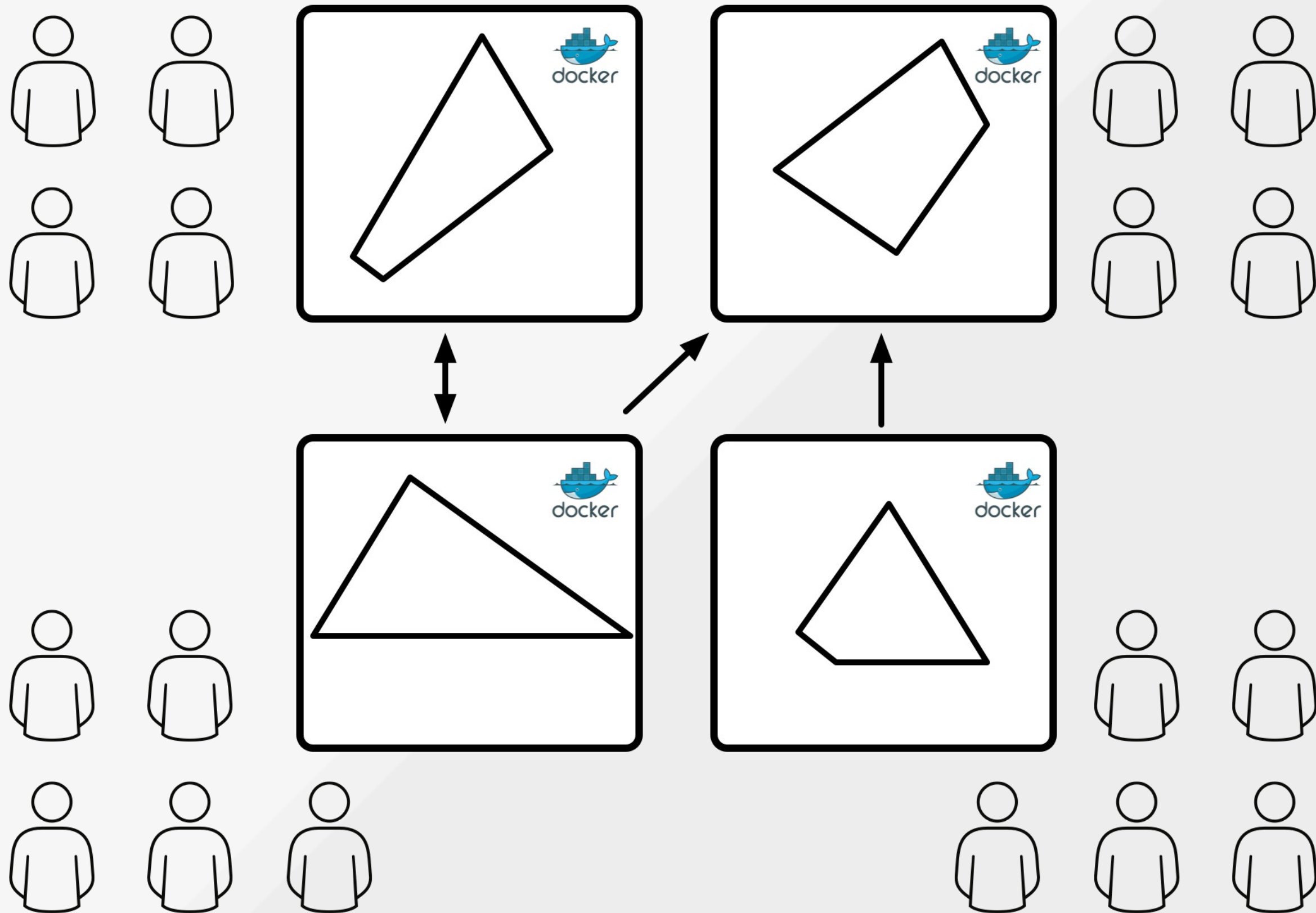






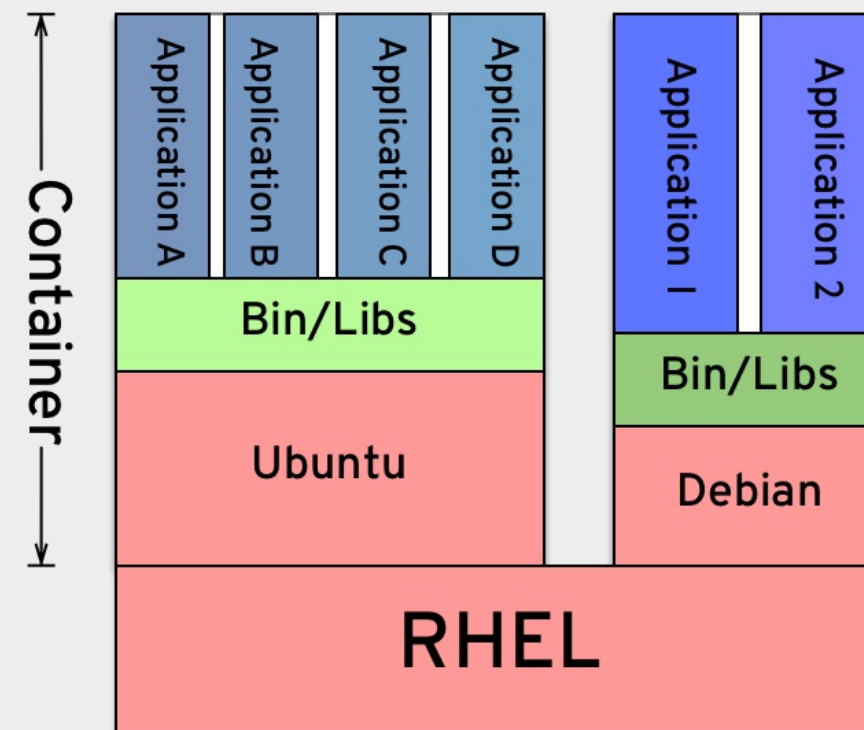
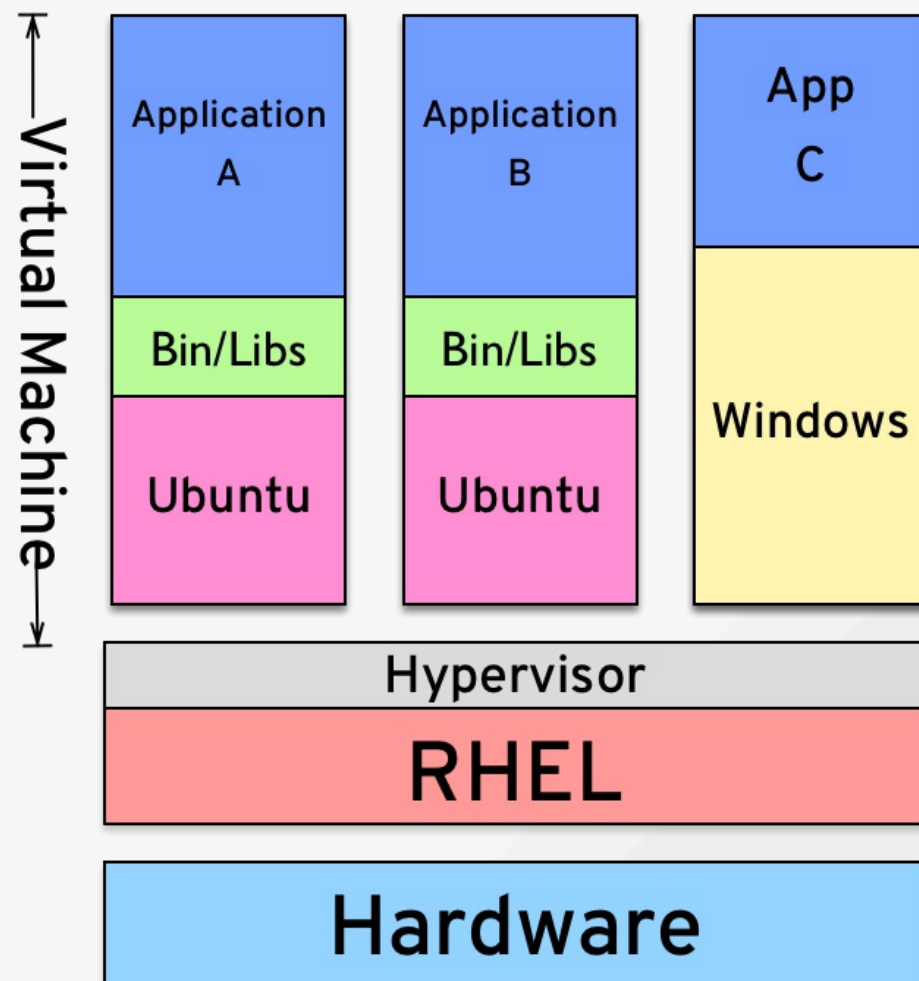






VM VS. CONTAINER

Containers are **isolated**, but share the kernel and (some) files
➔ **lighter** and **faster**

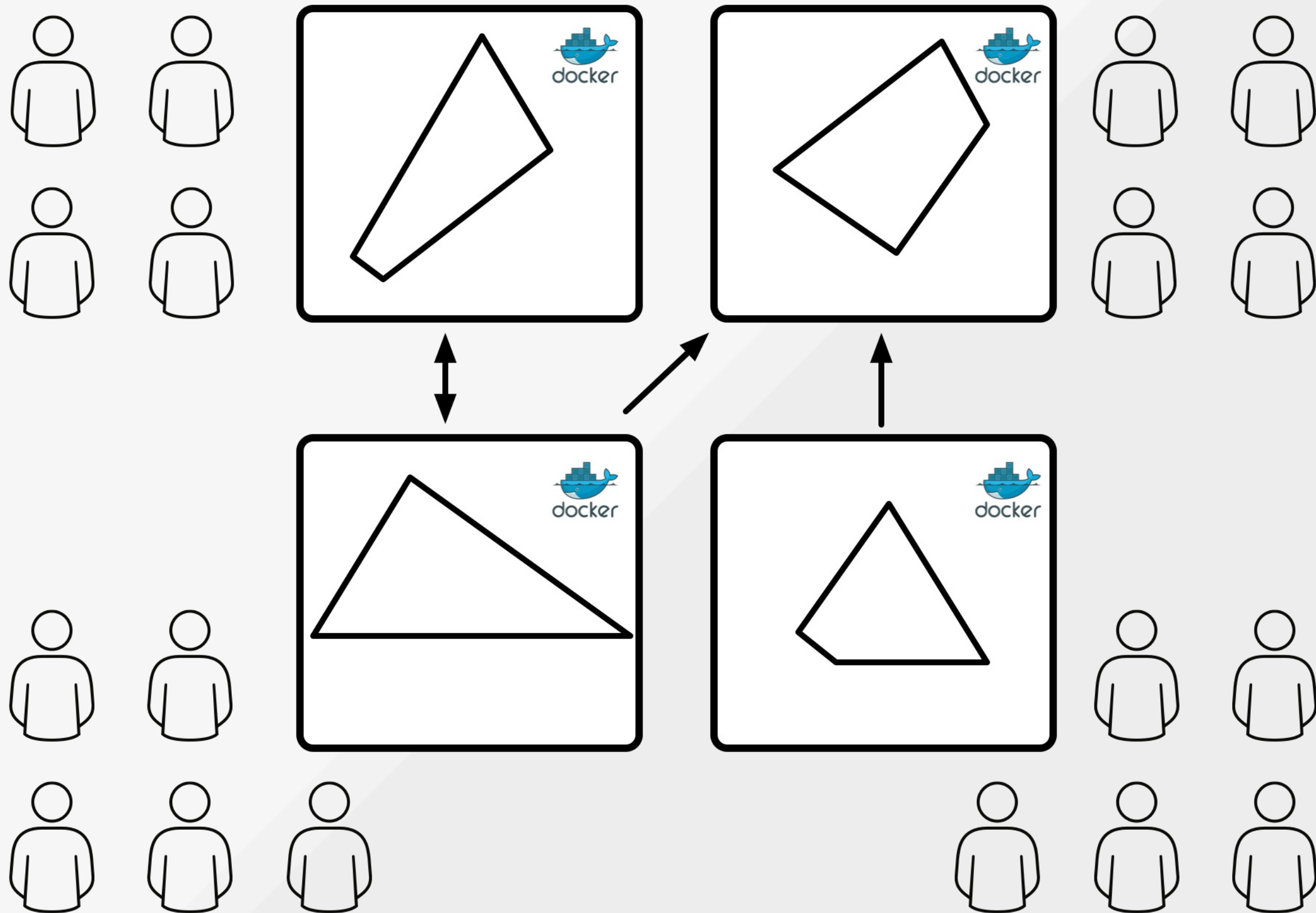


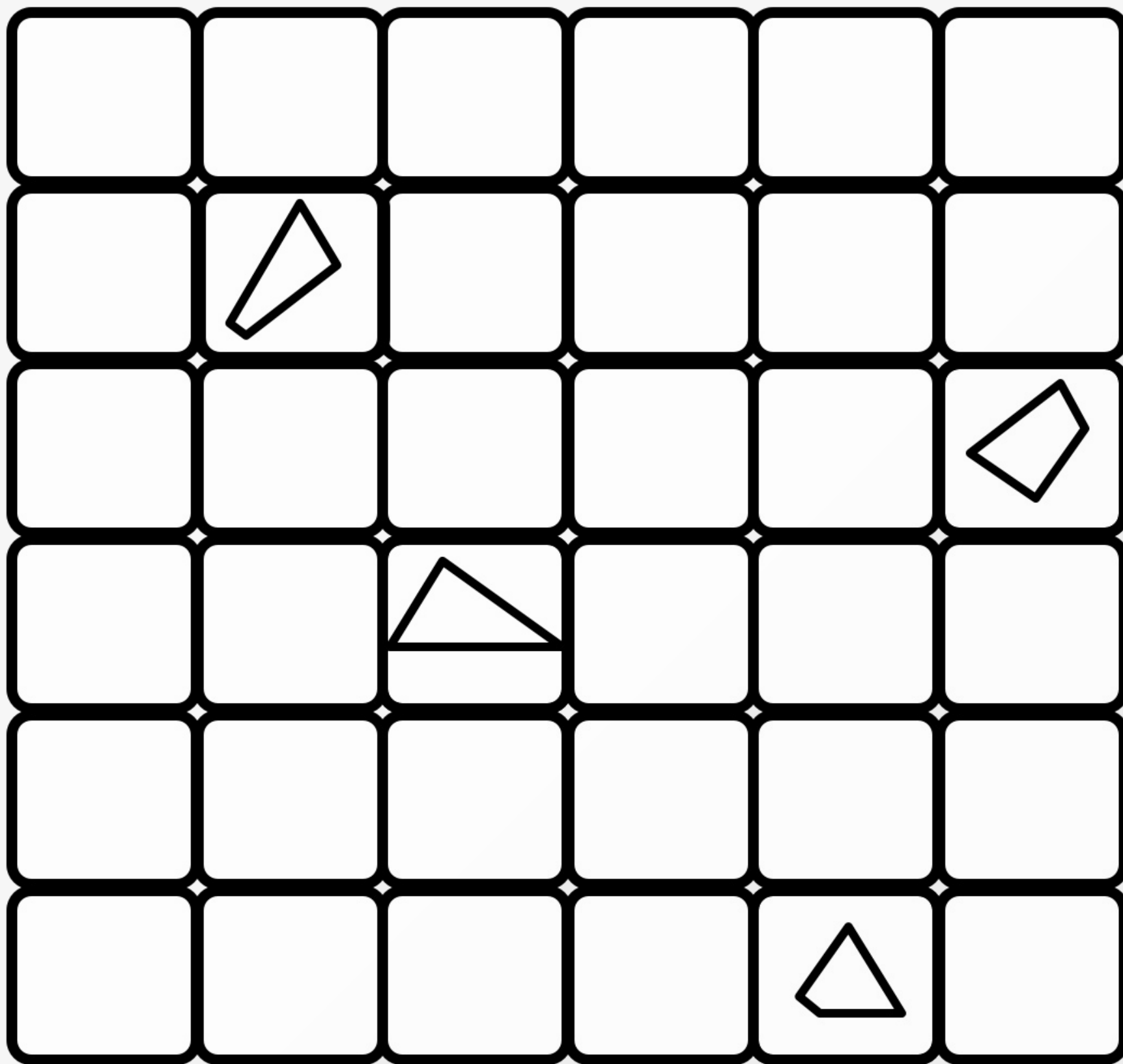


docker

DOCKER

- Open-Source project backed by Docker Inc. (since 2013)
- Tools for managing containers
- Image format definition
- Sharing via registries
- On top:
 - Docker Compose
 - Docker Swarm







KUBERNETES

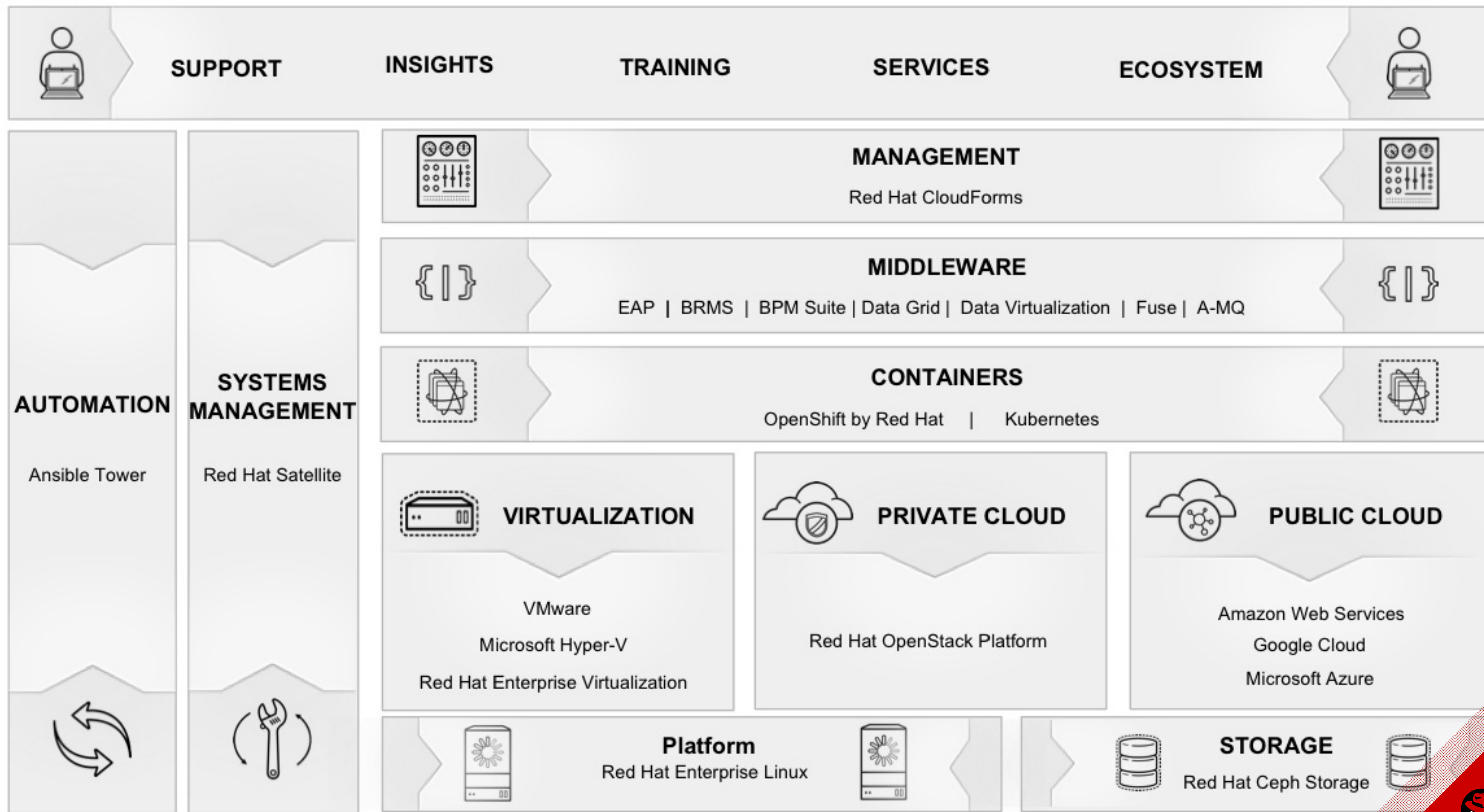
- Open Source orchestration system for containers
- Started by Google in 2014
- Features:
 - Scheduling
 - Horizontal scaling
 - Self-healing
 - Service discovery
 - Automated rollout and rollbacks



OPENSHIFT

OPENS SHIFT

- Adds the **BUILD** to Kubernetes
- Developer and Operation Tools
- Infrastructure Services
 - Registry, Router, OAuth2 Security
- Volume Management
- Multi tenancy
- Management UI





DOCKER FOR JAVA DEVELOPER

Session 1

Twitter

@ro14nd

Docker Maven Plugin <https://dmp.fabric8.io>

