



# Virtuozzo

Don't you care too much  
about containers?



# Container



# More containers



# Software containers

- Data type
- Digital container format
- Web container
- GUI container

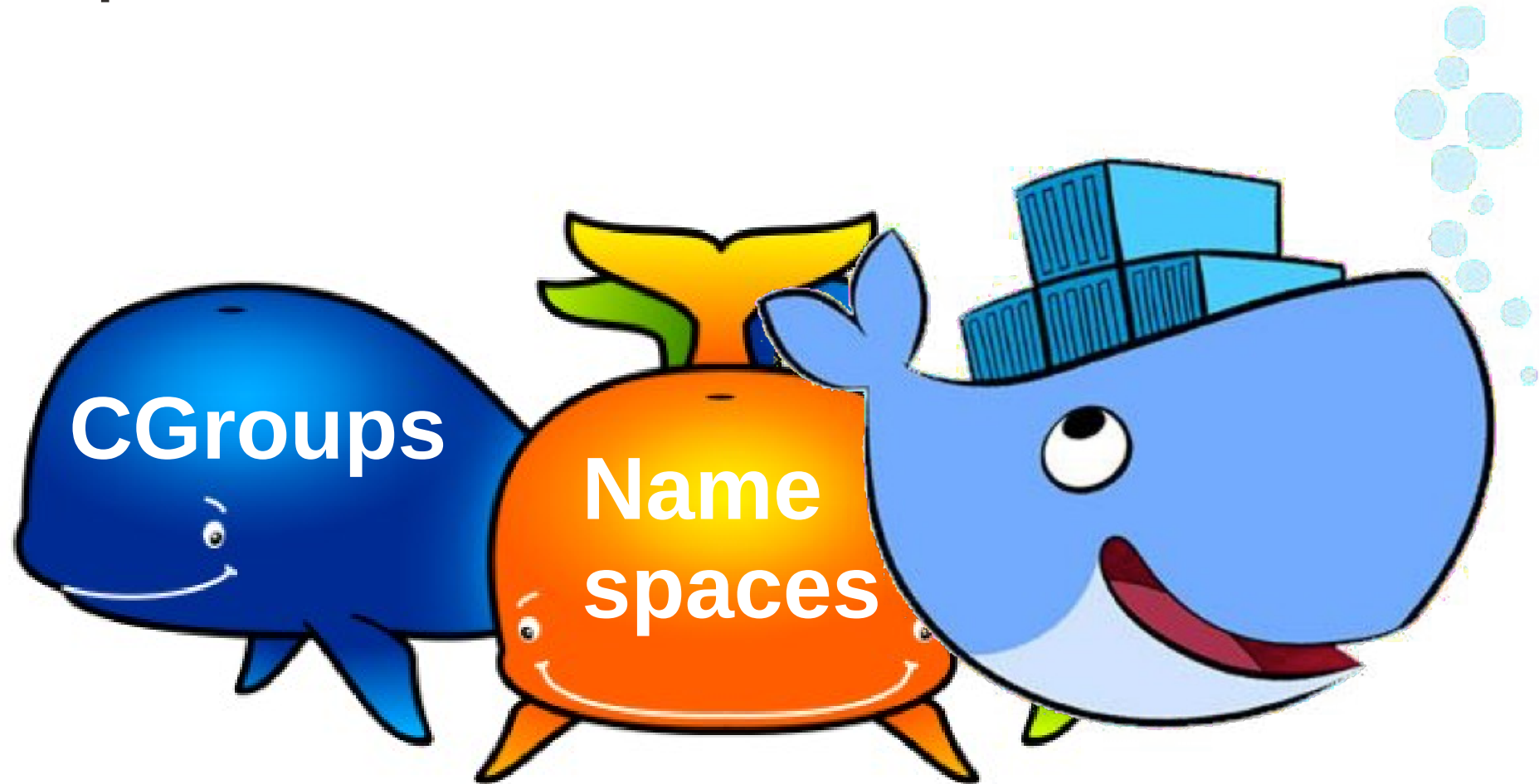
# Software containers for this conf

- Operating-system-level virtualization
- Solaris Zones, BSD Jails
- OpenVZ / Virtuozzo (VE-s)
- LXC, Docker, CoreOS/Rocket

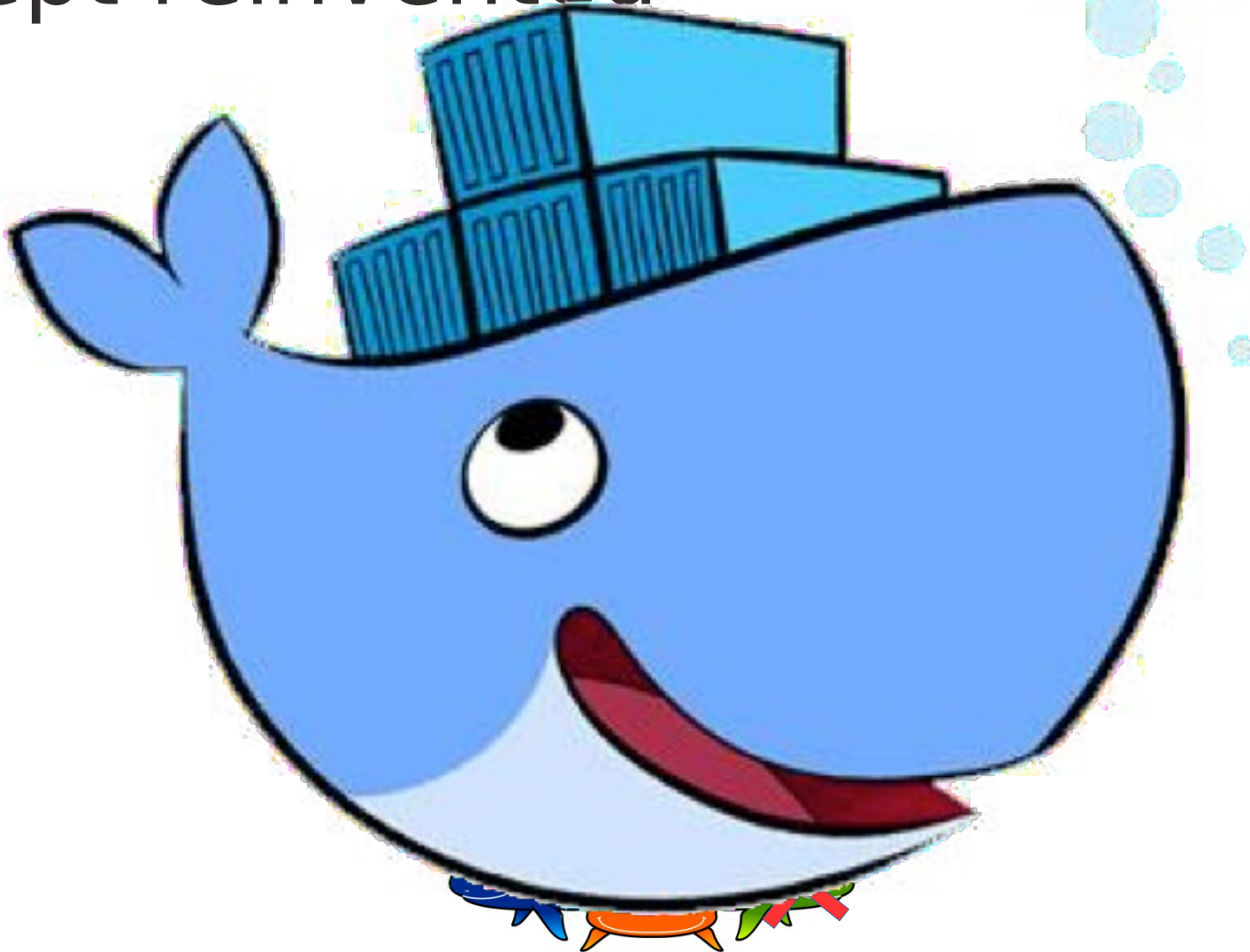
# Concept



# Concept++



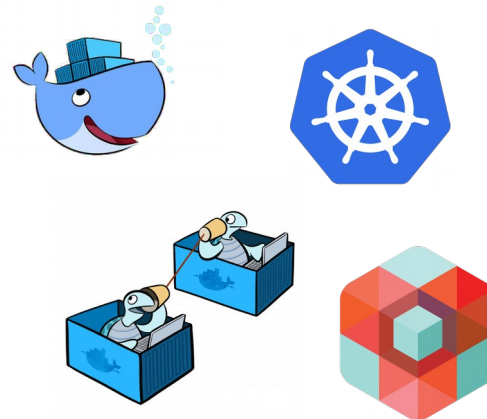
# Concept reinvented





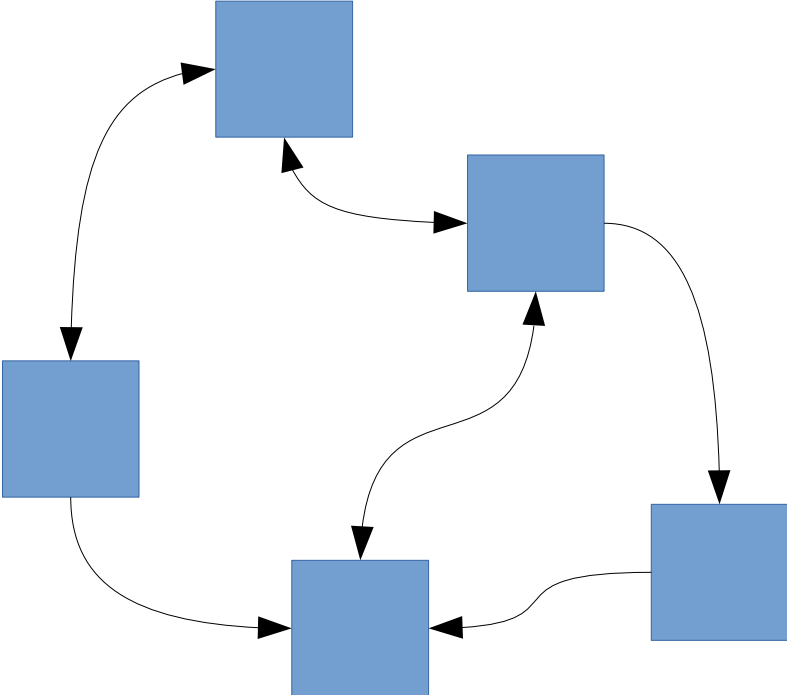
# Two “containers” we have now

- OS-level virtualization
- Applications management

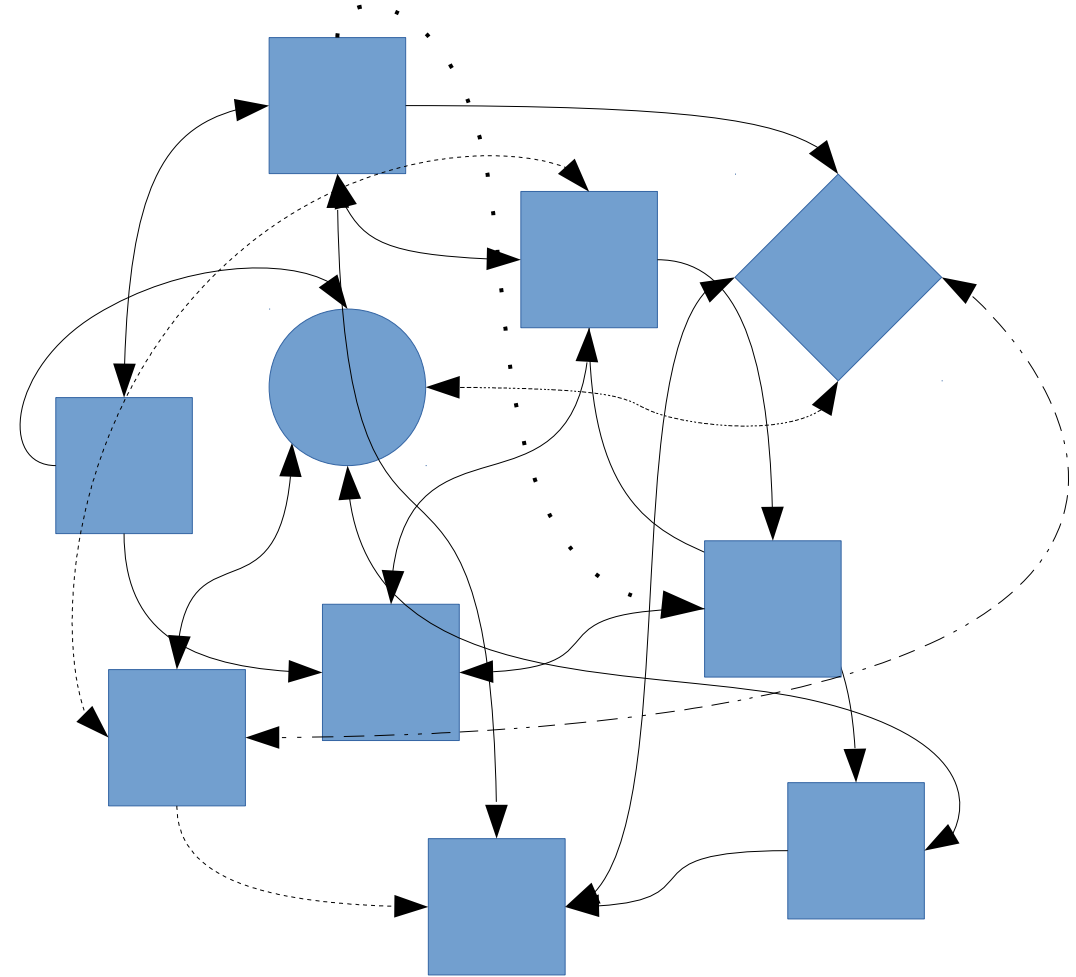
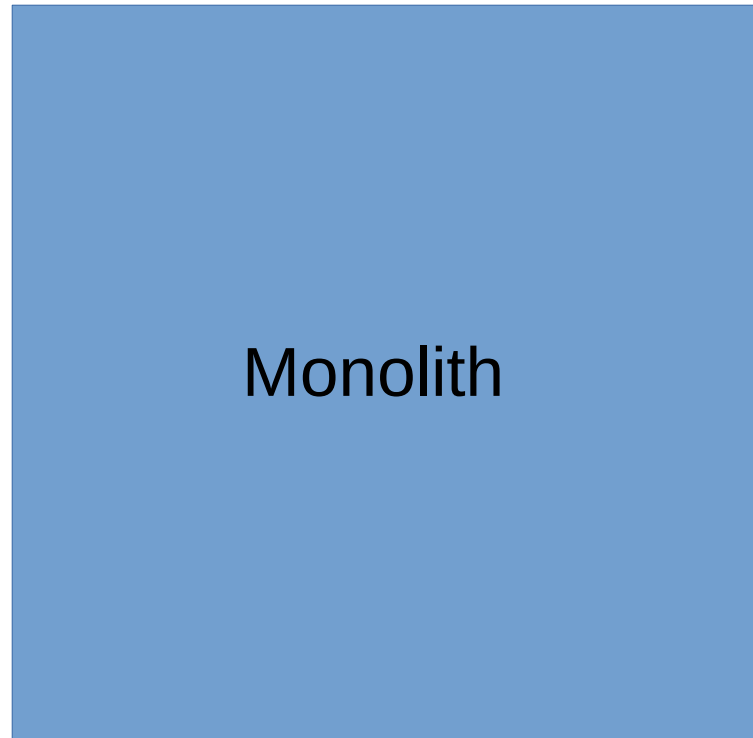


Container = Application

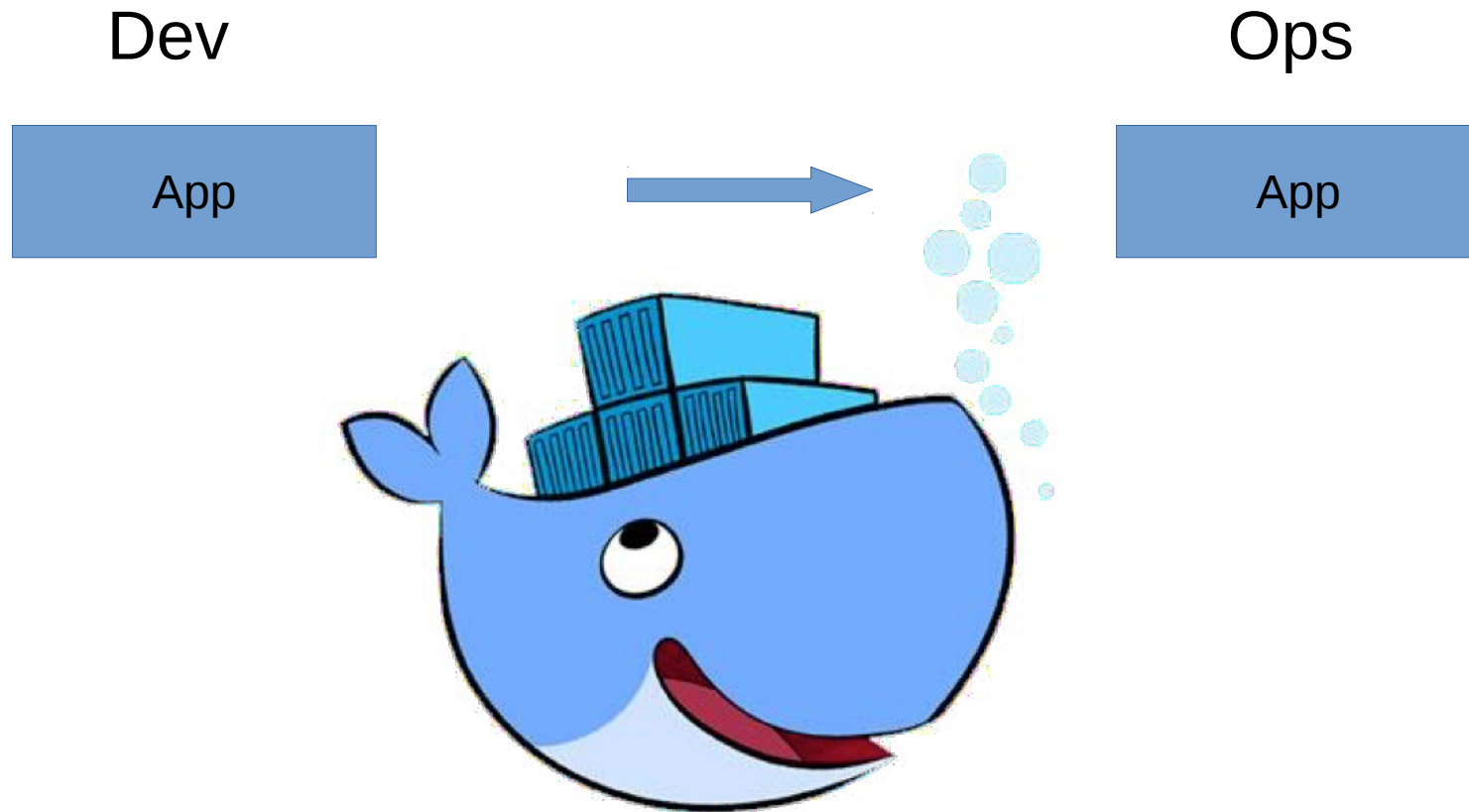
# Good microservices



# Bad microservices

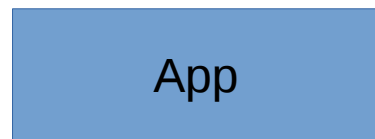


# Dev & Ops



# Dev vs Ops

Dev



Ops

Updates

Monitoring

Orchestration

Storage

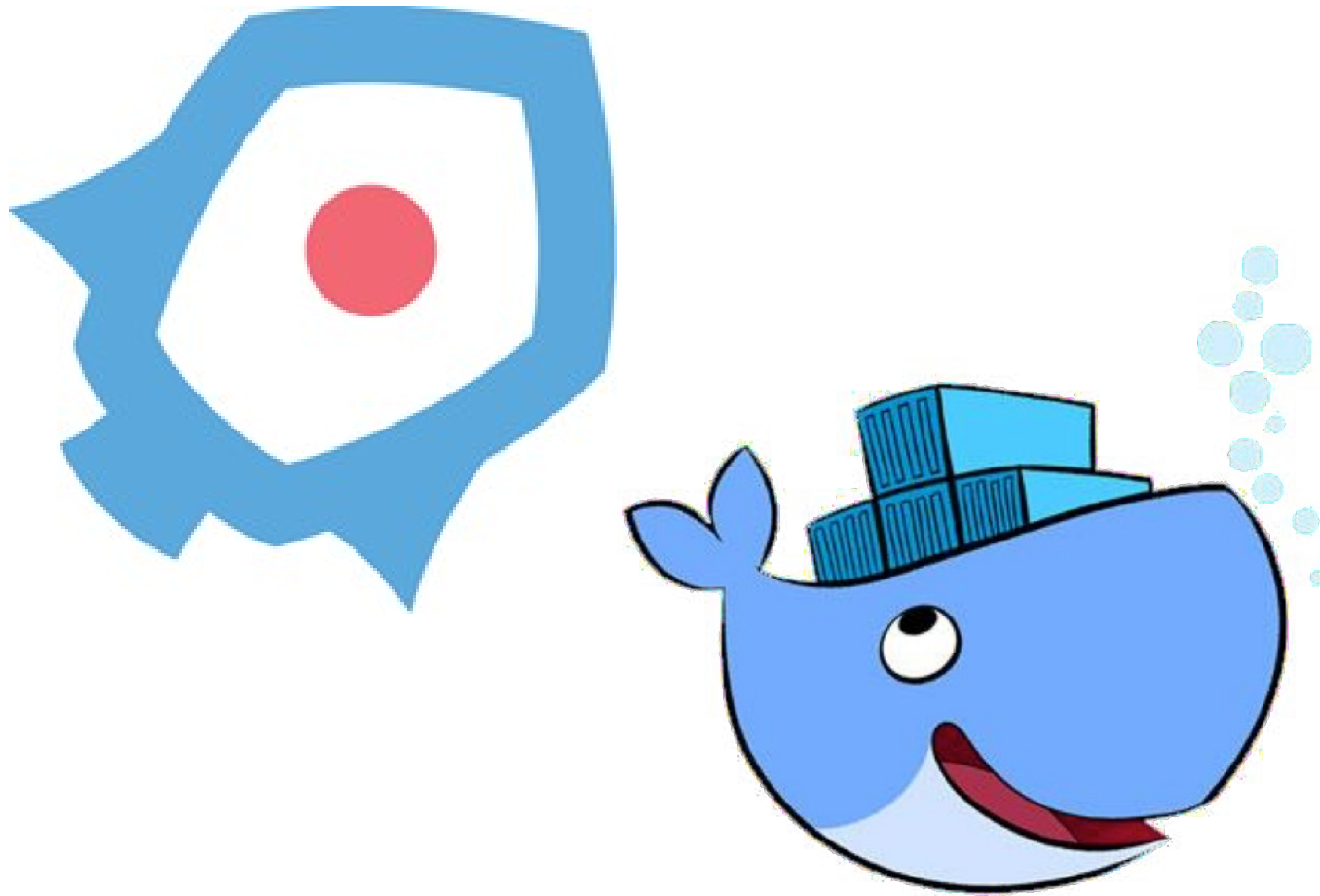
Discovery

Network

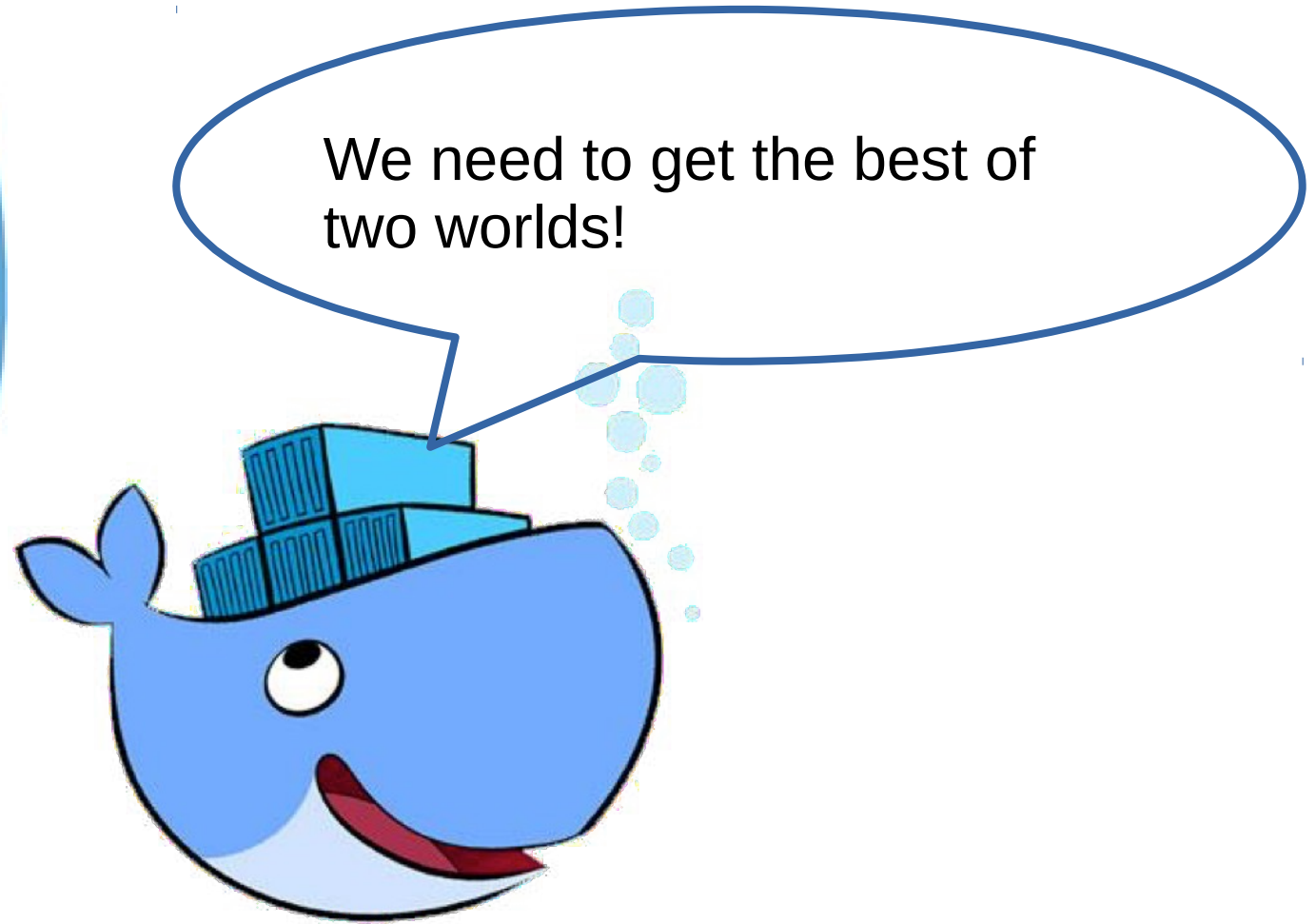
Compose

App

# Standards?

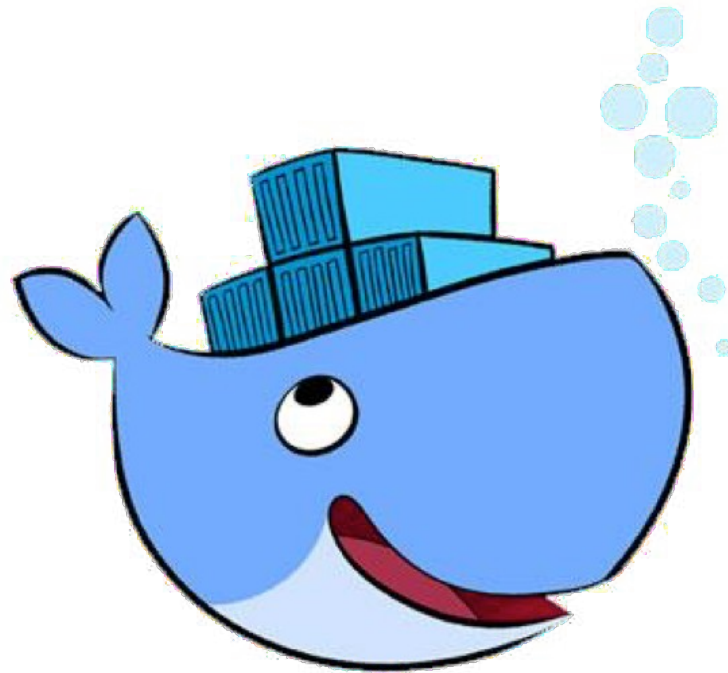


# Standards.





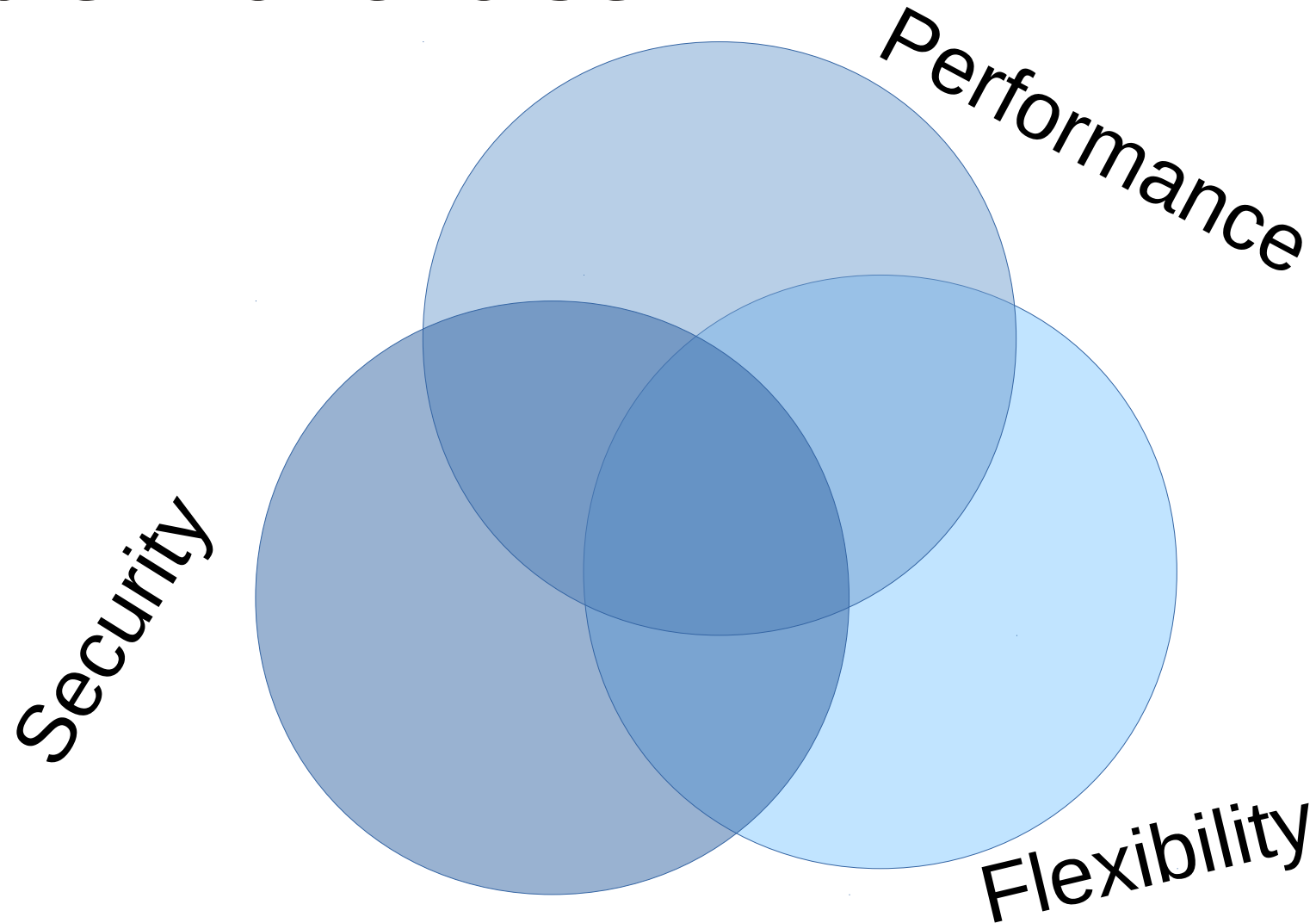
# Standards!



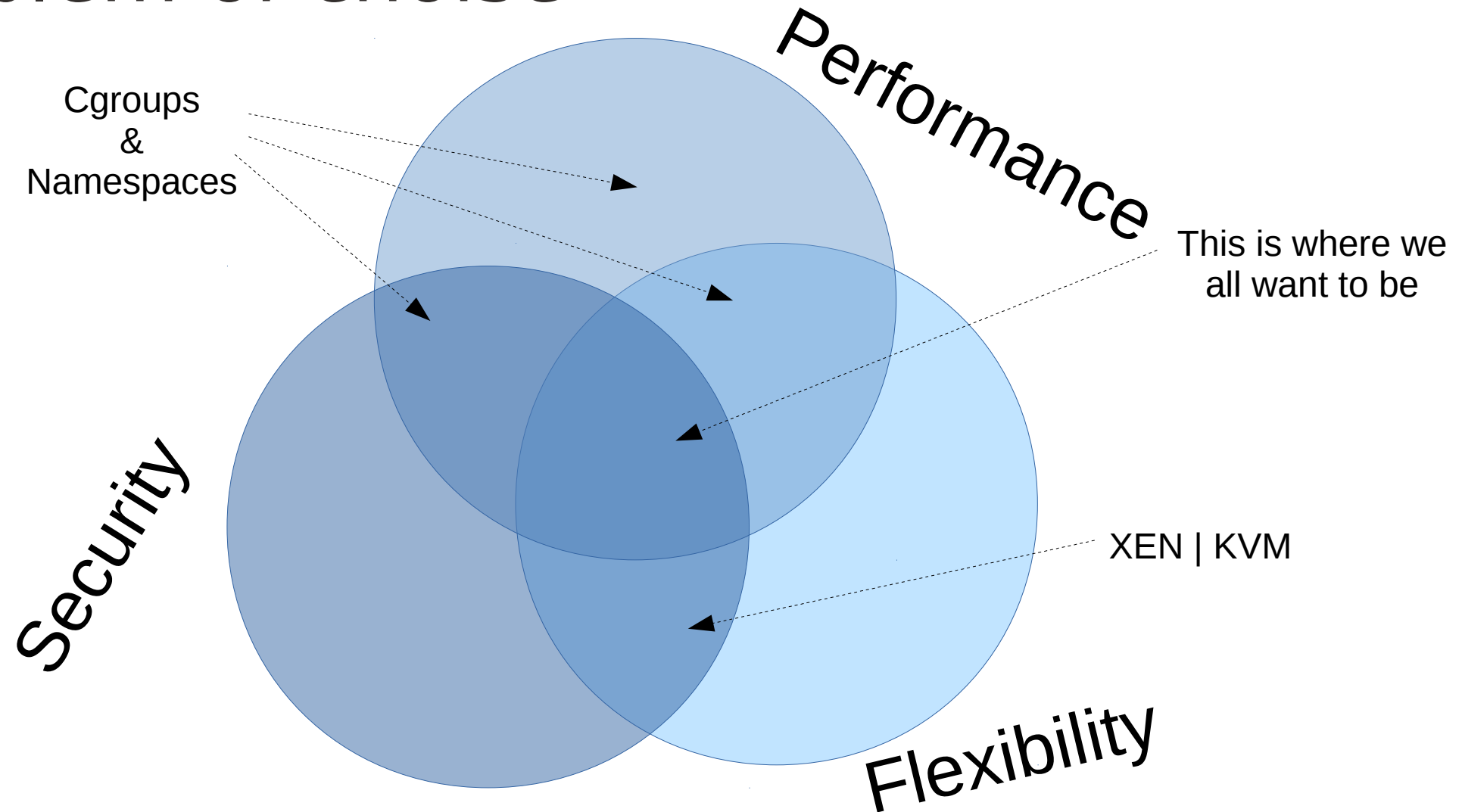
<https://xkcd.com/927/>

Container  $\approx$  VM

# Problem of choice

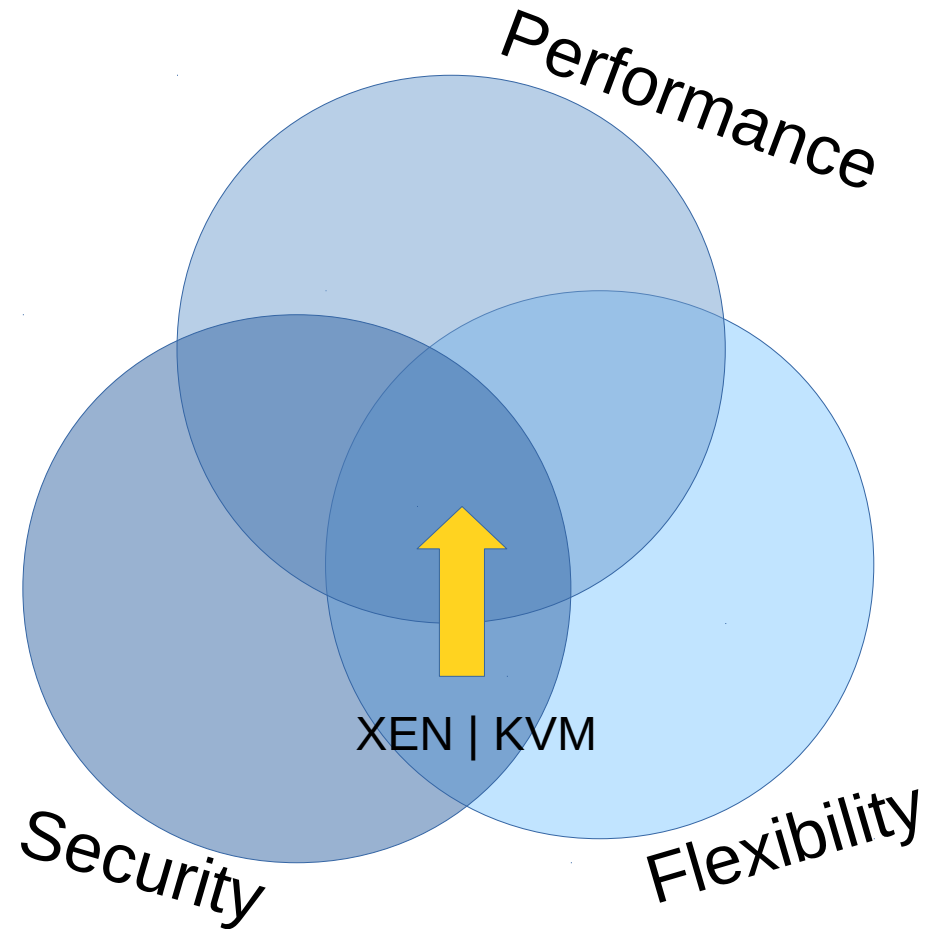


# Problem of choice

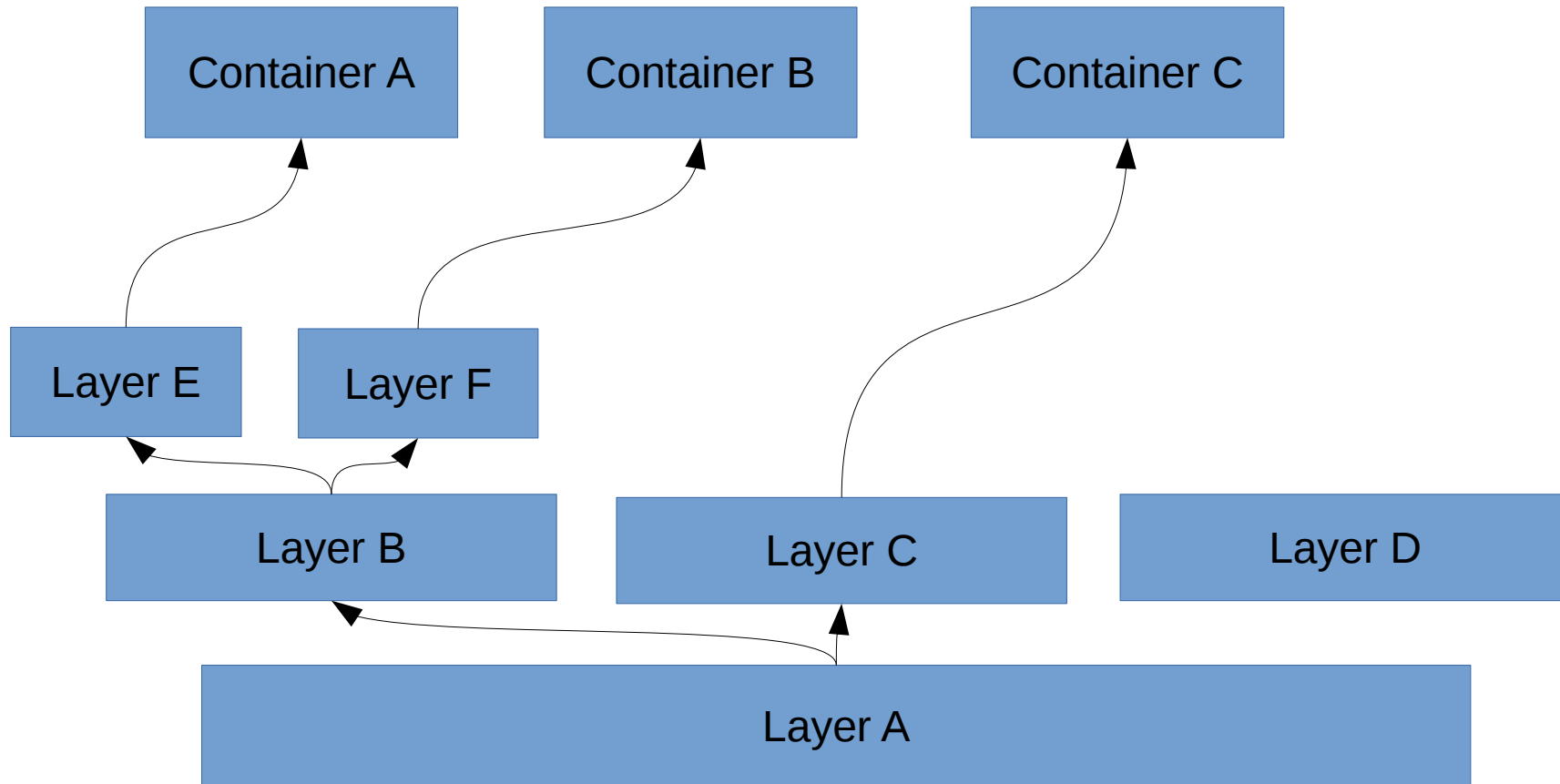


# Container → VM

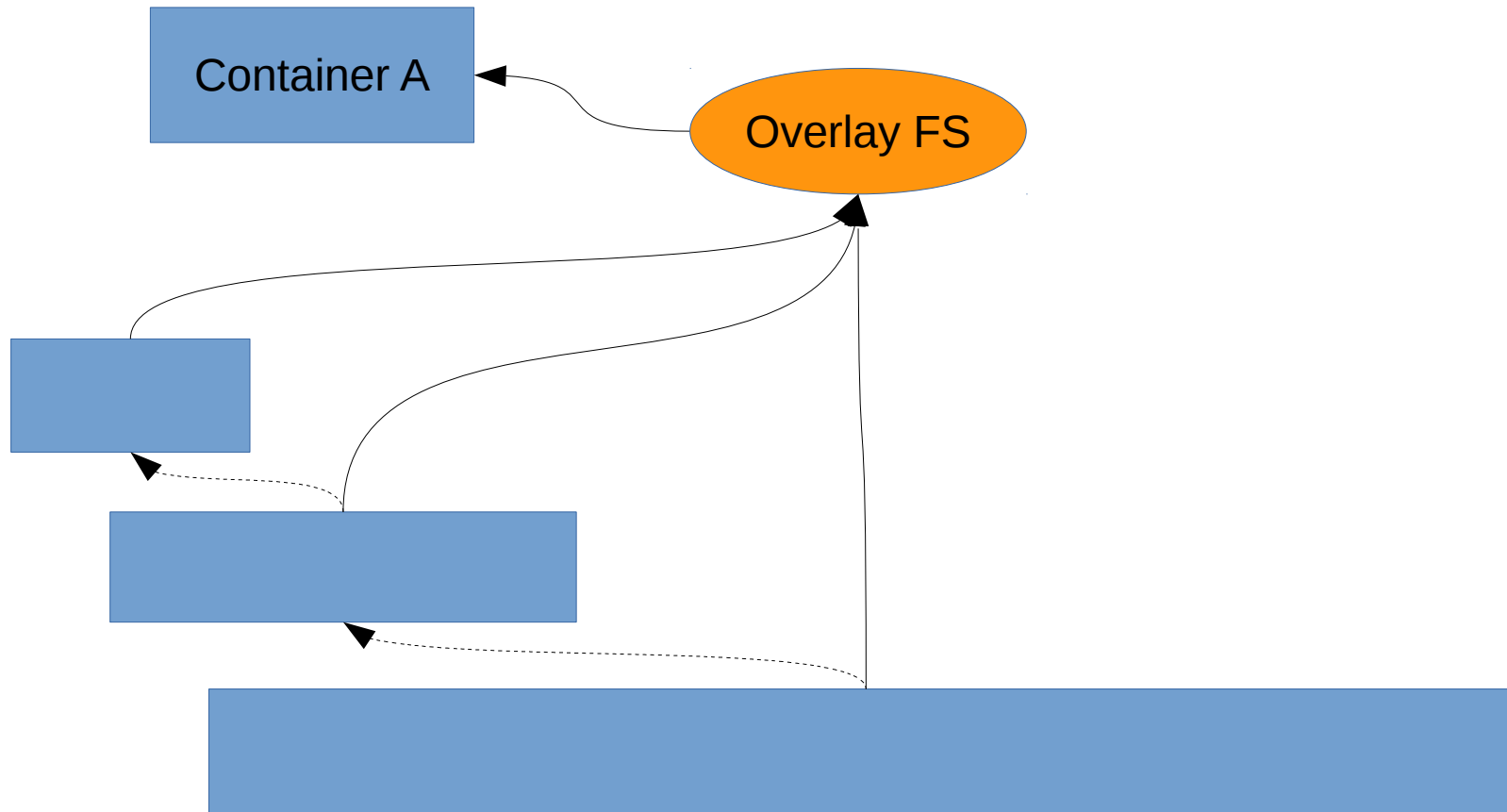
- Clear containers
- Unikernels
- Proxy



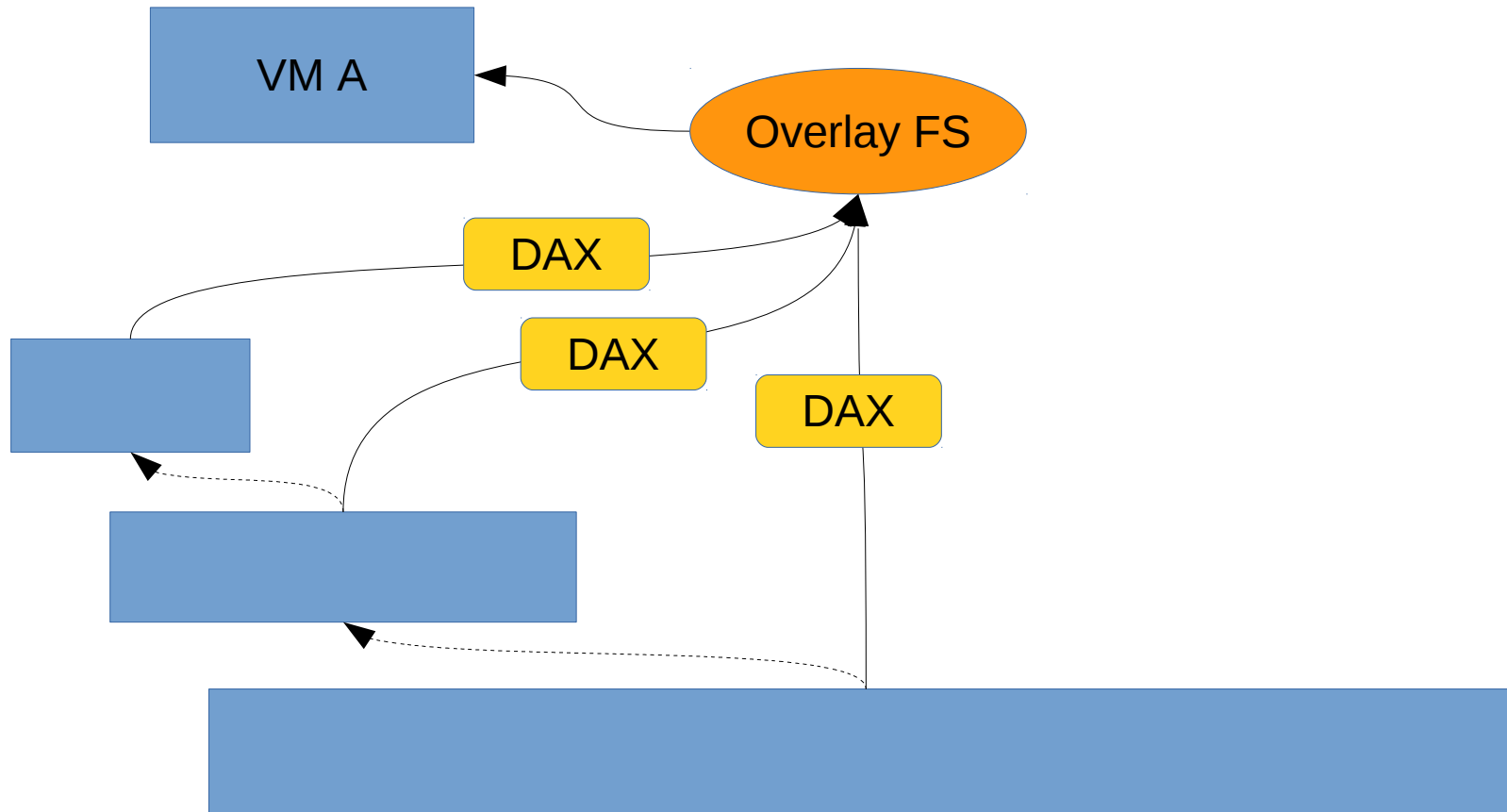
# Layers by Docker



# Layers by Docker

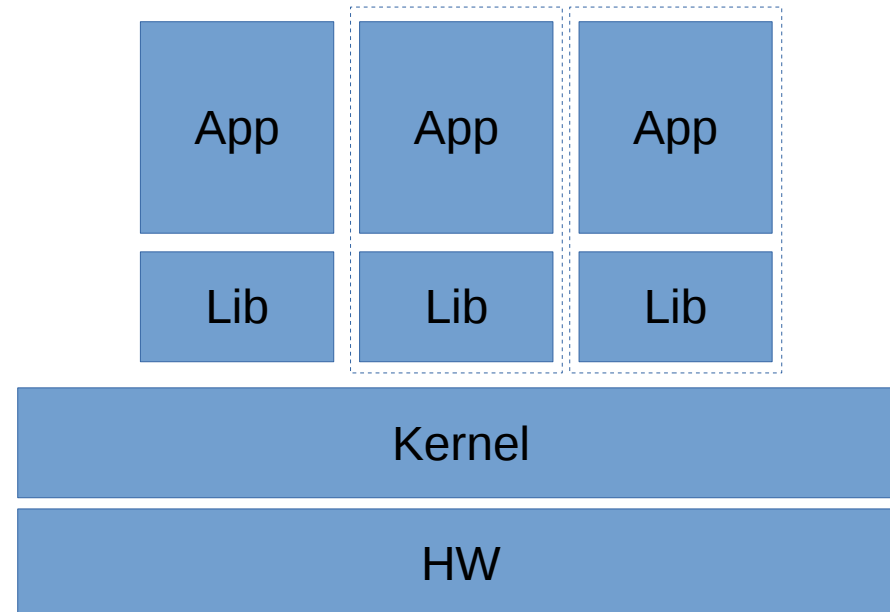


# Layers by Clear containers

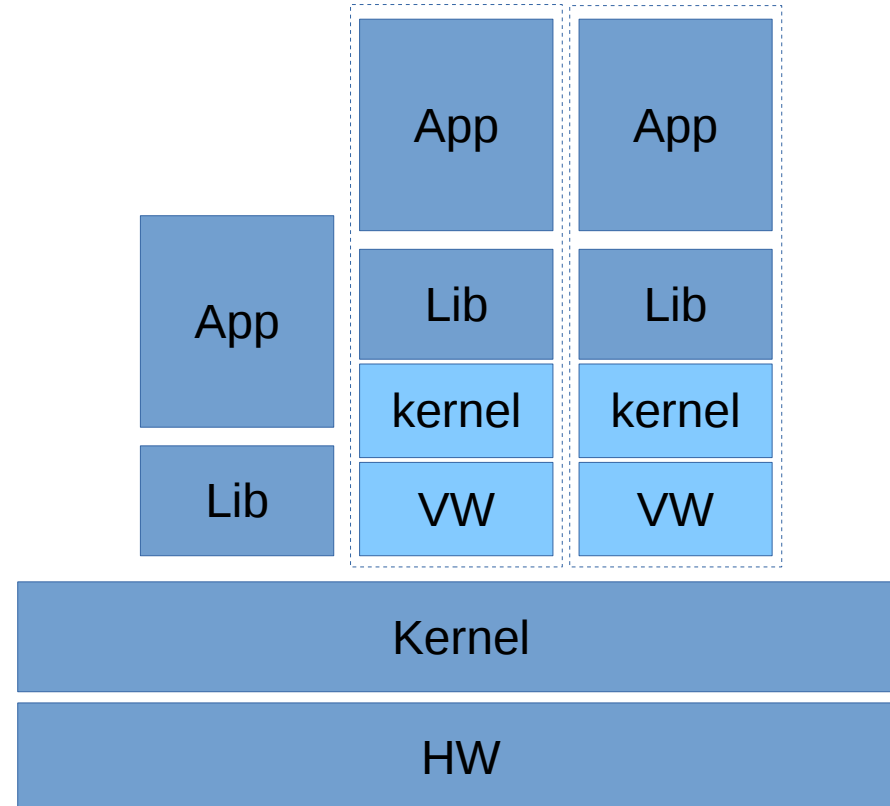




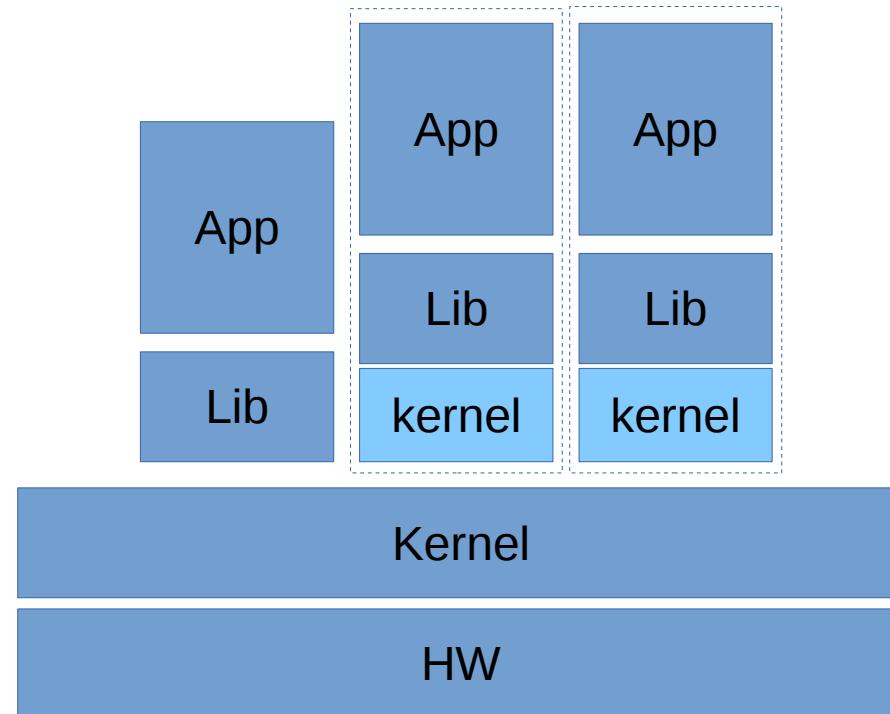
# Container vs ...



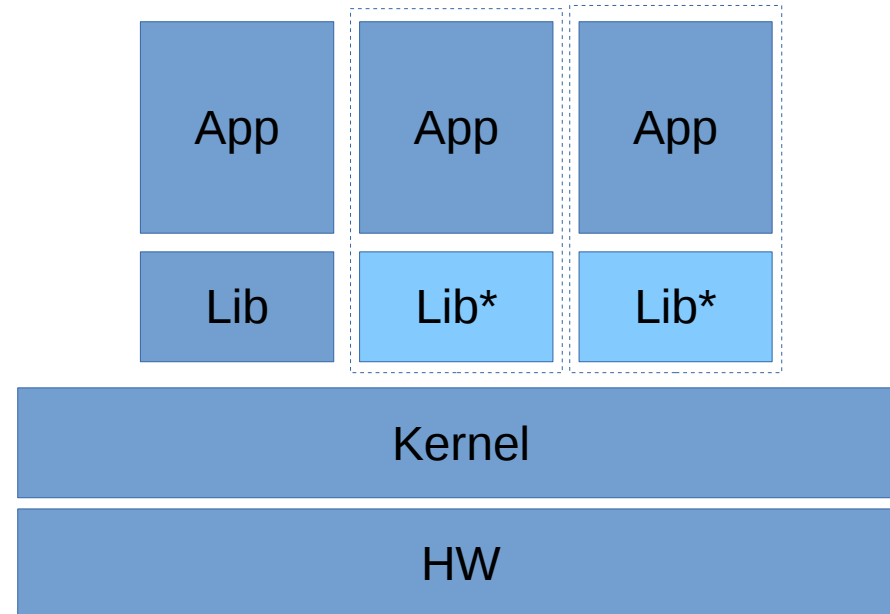
# ... VM vs ...



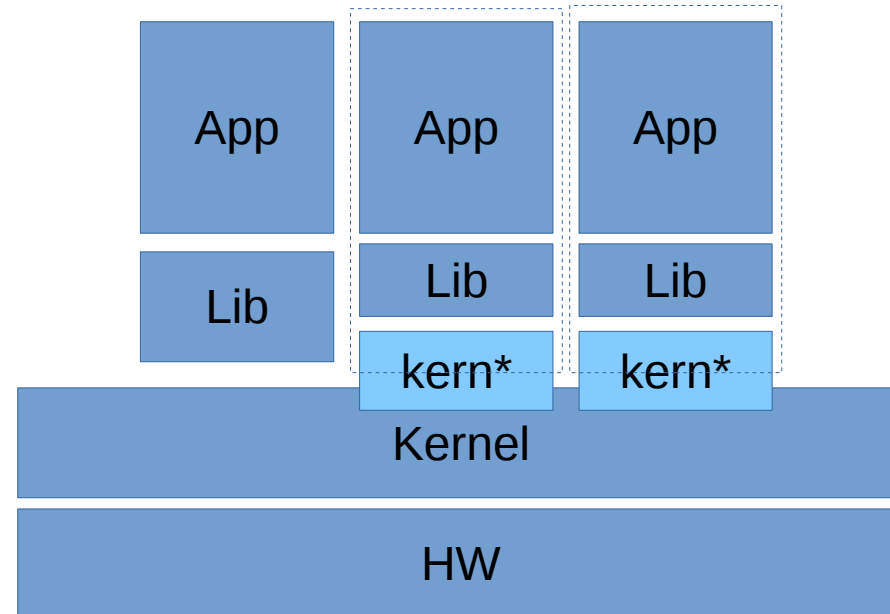
# ... Paravirt vs ...



# ... Unikernel vs ...

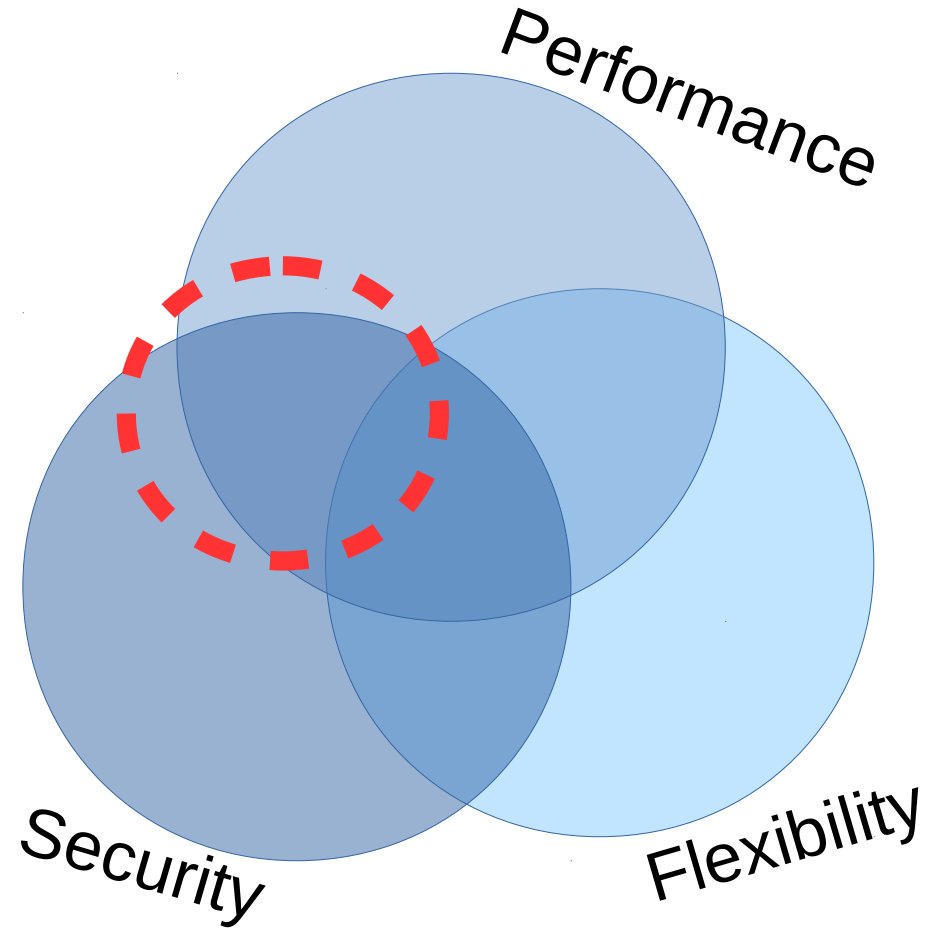


# ... Proxy



# What's left for containers

- NFV
- Services



Questions