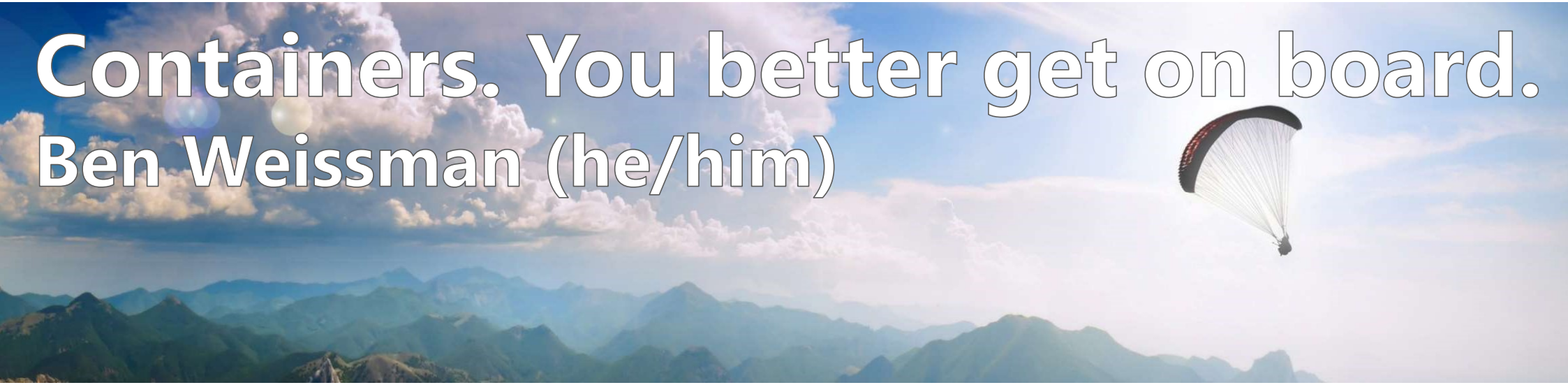
SOLISYON



Containers. You better get on board.

Ben Weissman (he/him)

Who am I?

Ben Weissman (he/him)
@bweissman
b.weissman@solisyon.de

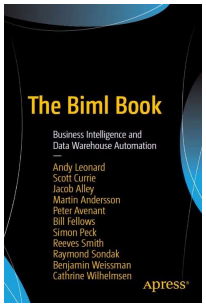
Please Talk Data To Me

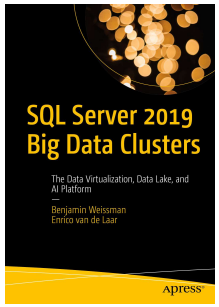
PLURALSIGHT

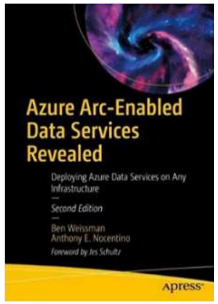
Apress®

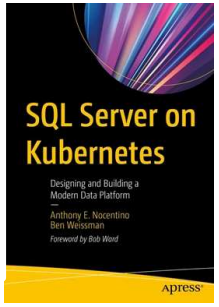
MVP Microsoft® Most Valuable Professional

FRIEND OF redgate 2022









BimlHero CERTIFIED EXPERT

Microsoft CERTIFIED Solutions Associate — Machine Learning

Microsoft CERTIFIED Solutions Expert — Data Management and Analytics

DataMinutes

NEW STARS OF DATA

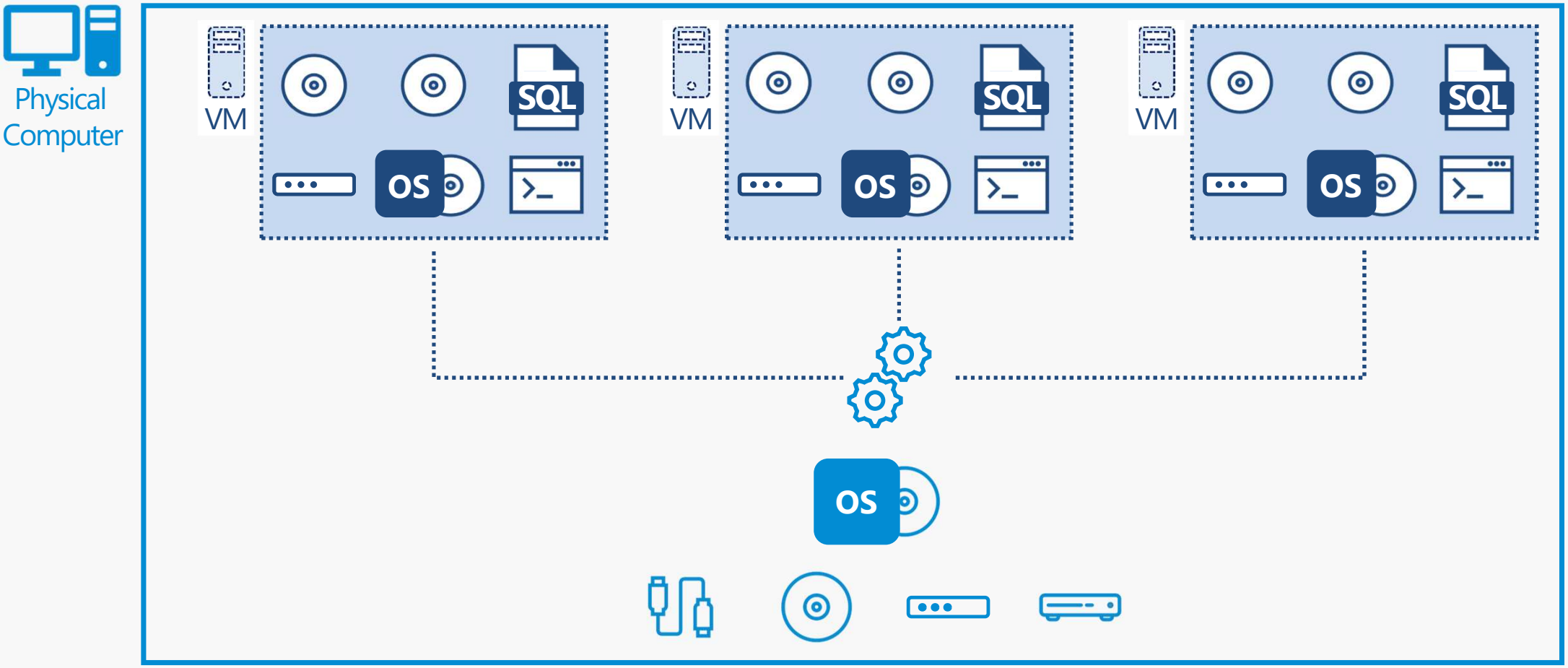
MICROSOFT PROFESSIONAL PROGRAM — Data Science, Big Data, Artificial Intelligence, Data Analysis

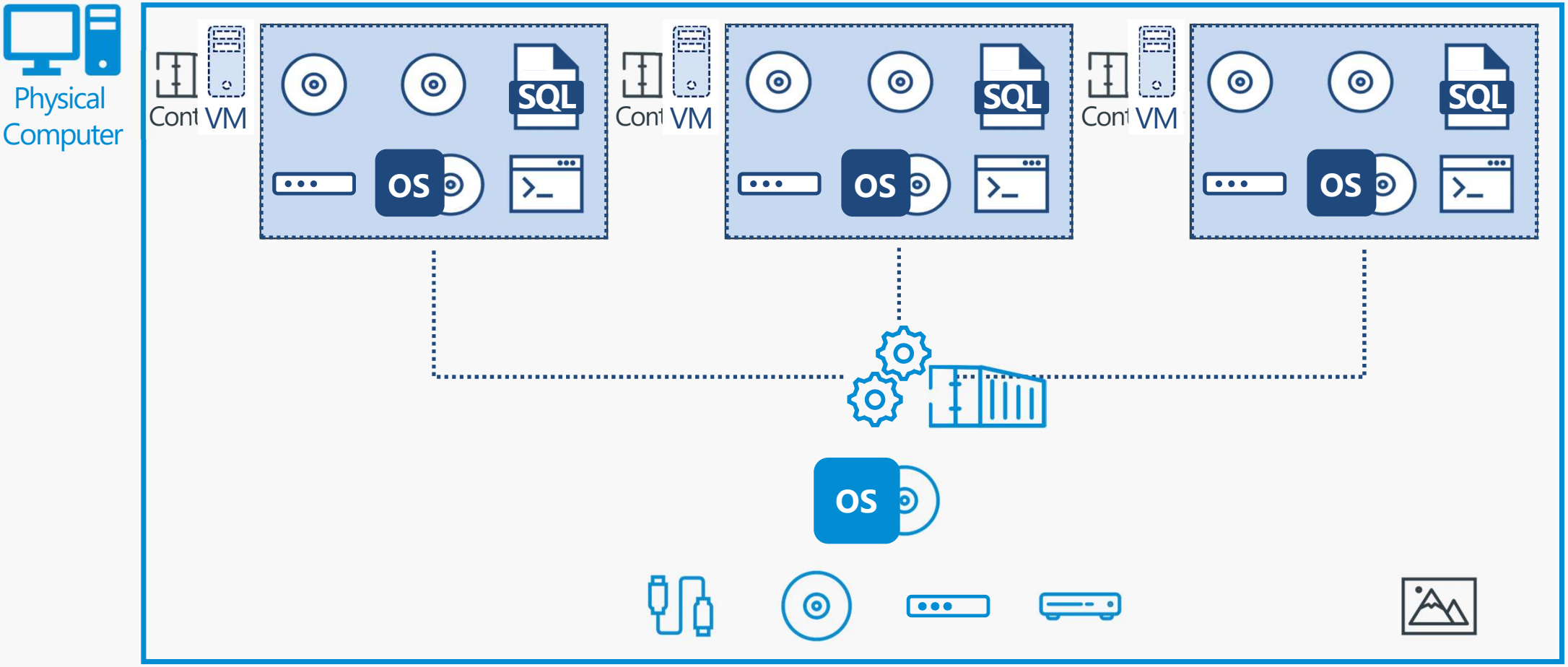
GENESEE ACADEMY World-Class Training — Certified Data Vault Modeler

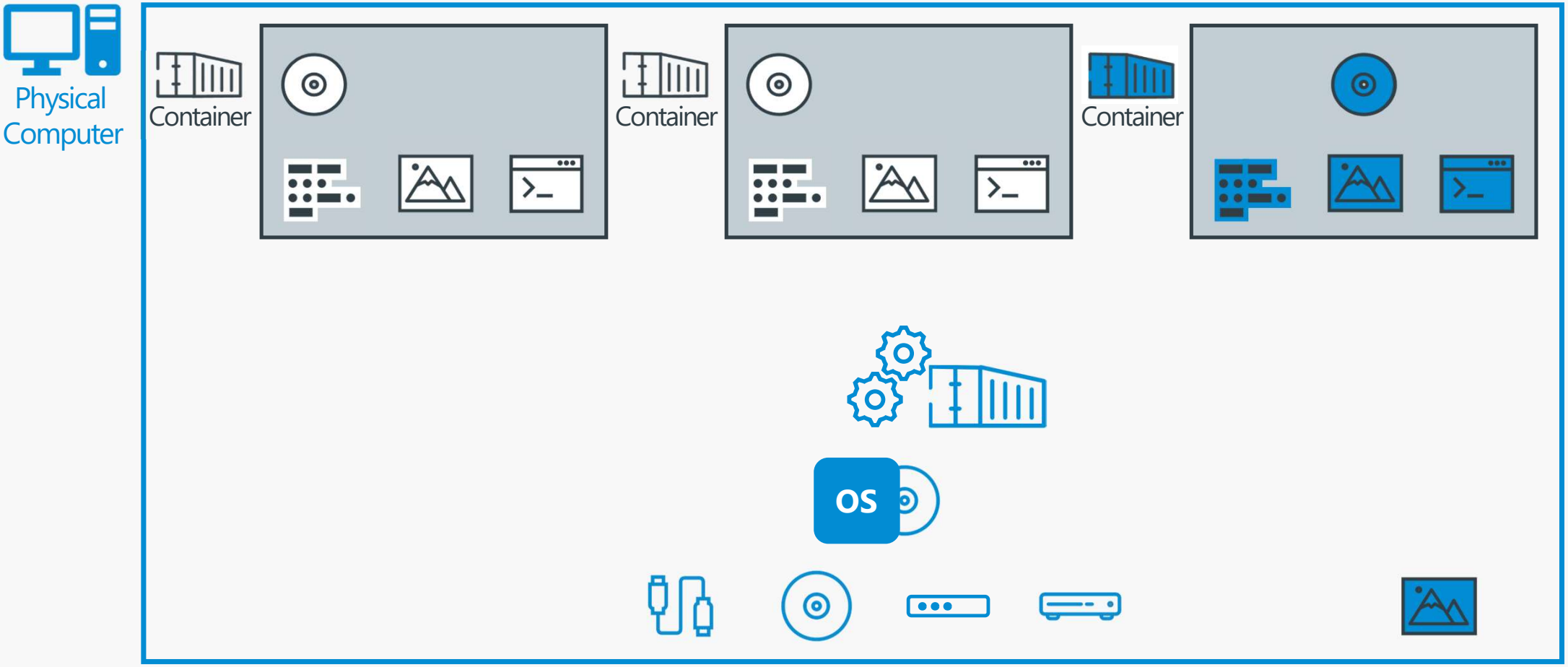
SOLISYON

Bare Metal

Physical Computer

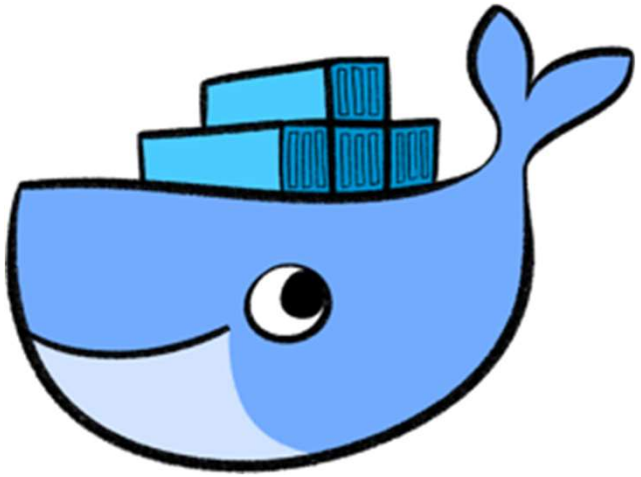

Physical Computer
VM
SQL
OS
VM
SQL
OS
VM
SQL
OS
OS


Physical Computer
Cont
VM
SQL
OS
Cont
VM
SQL
OS
Cont
VM
SQL
OS
OS

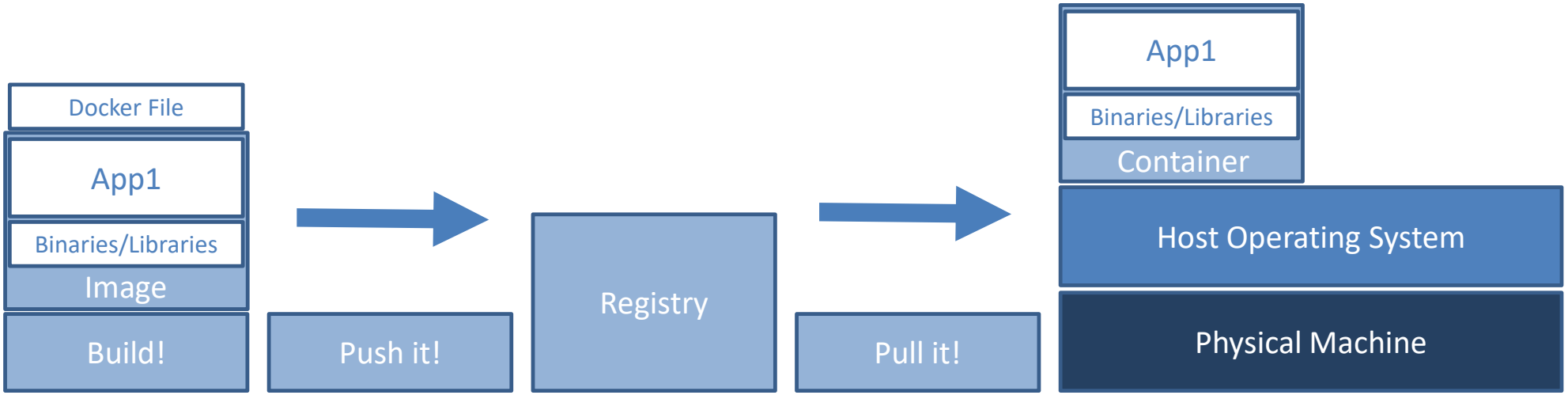

Physical Computer
Container
Container
Container
OS

The Container Universe

- Docker
  - Linux
  - Windows
  - Mac
- Other Container Runtimes
  - containerd
  - CoreOS
  - Podman
  - …



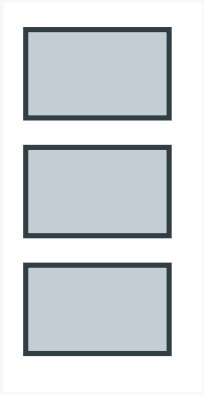
- **Images** – code, runtimes, libraries, environment variables
- **Registries** – where images live. Docker Hub, Azure Container Registry, internal
- **Docker Files** – defines the container image



SOLISYON

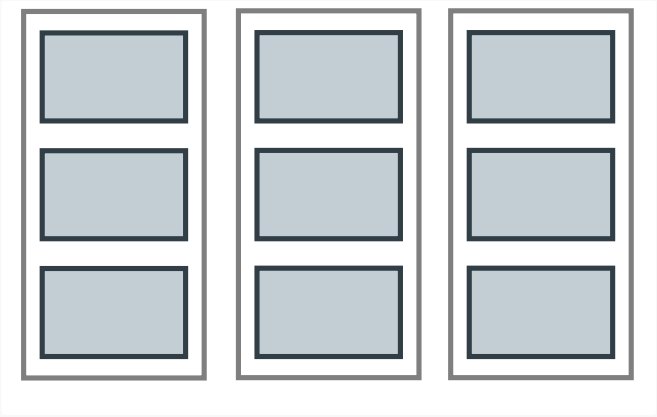
Demo
Deploying SQL in Containers

Container

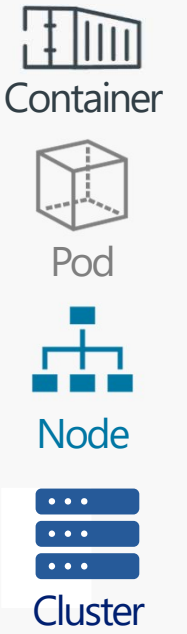


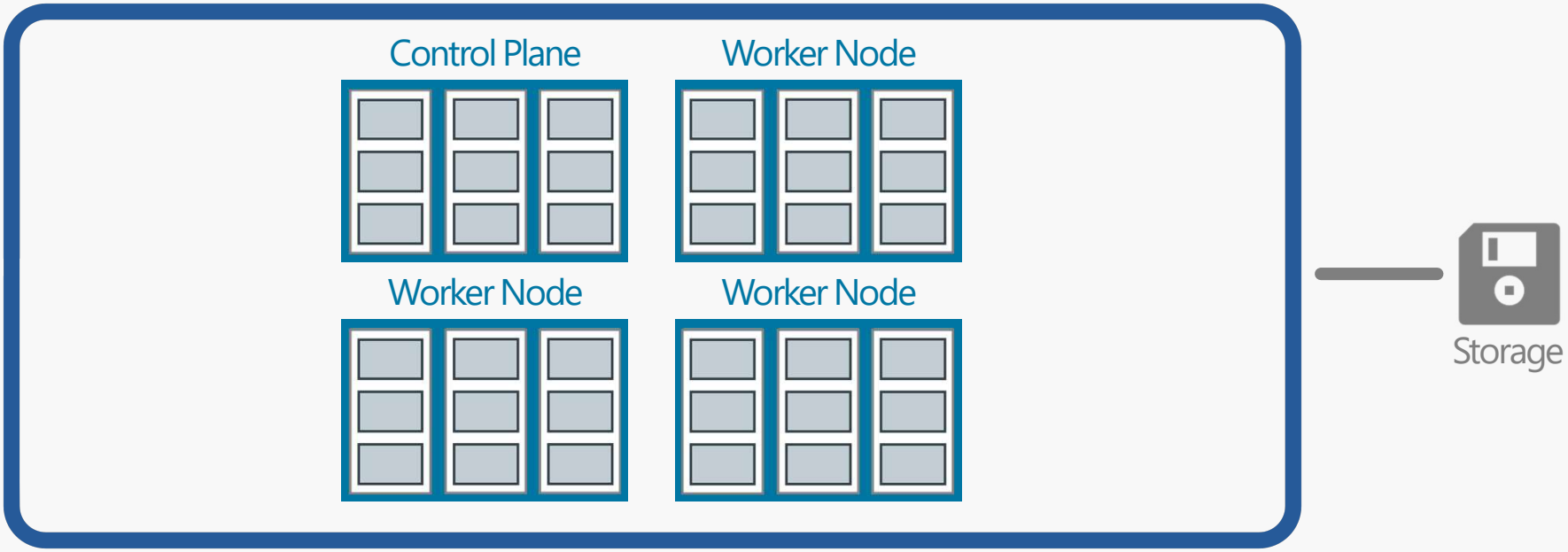
Container

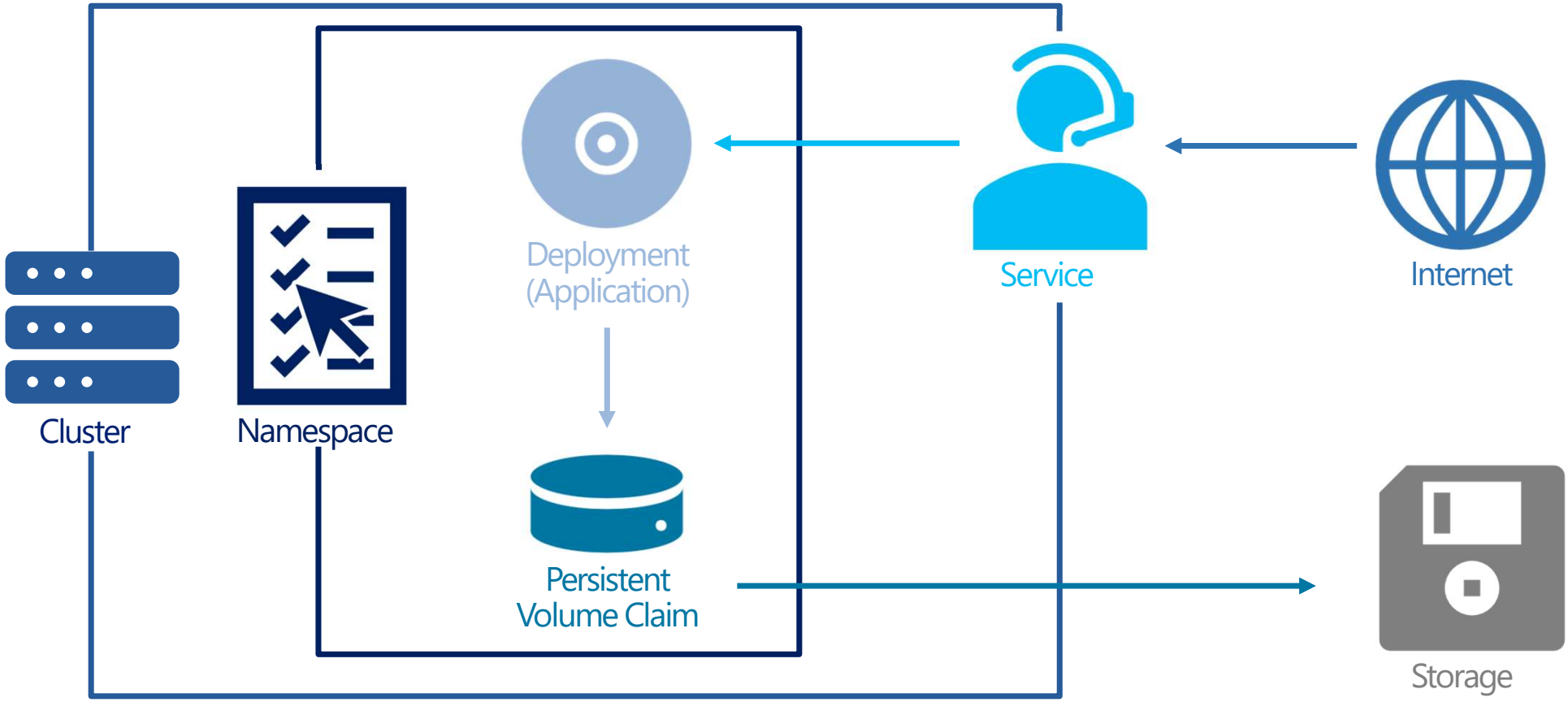
Pod



Container Orchestration






Cluster
Namespace
Deployment
(Application)
Persistent
Volume Claim
Service
Internet
Storage

SOLISYON

Mini-Demo
Deploying SQL in Kubernetes

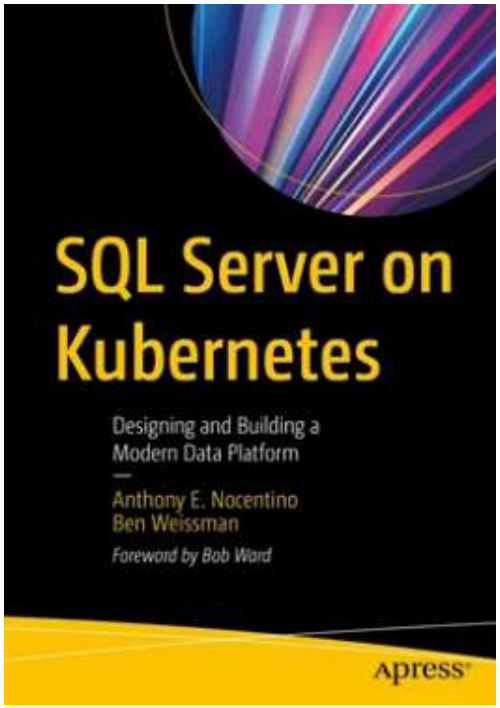
Ben Weissman (he/him)

@bweissman

b.weissman@solisyon.de

linkedin.com/in/weissmanben/

github.com/bweissman/code



bookmark.ws/SQLonk8s