

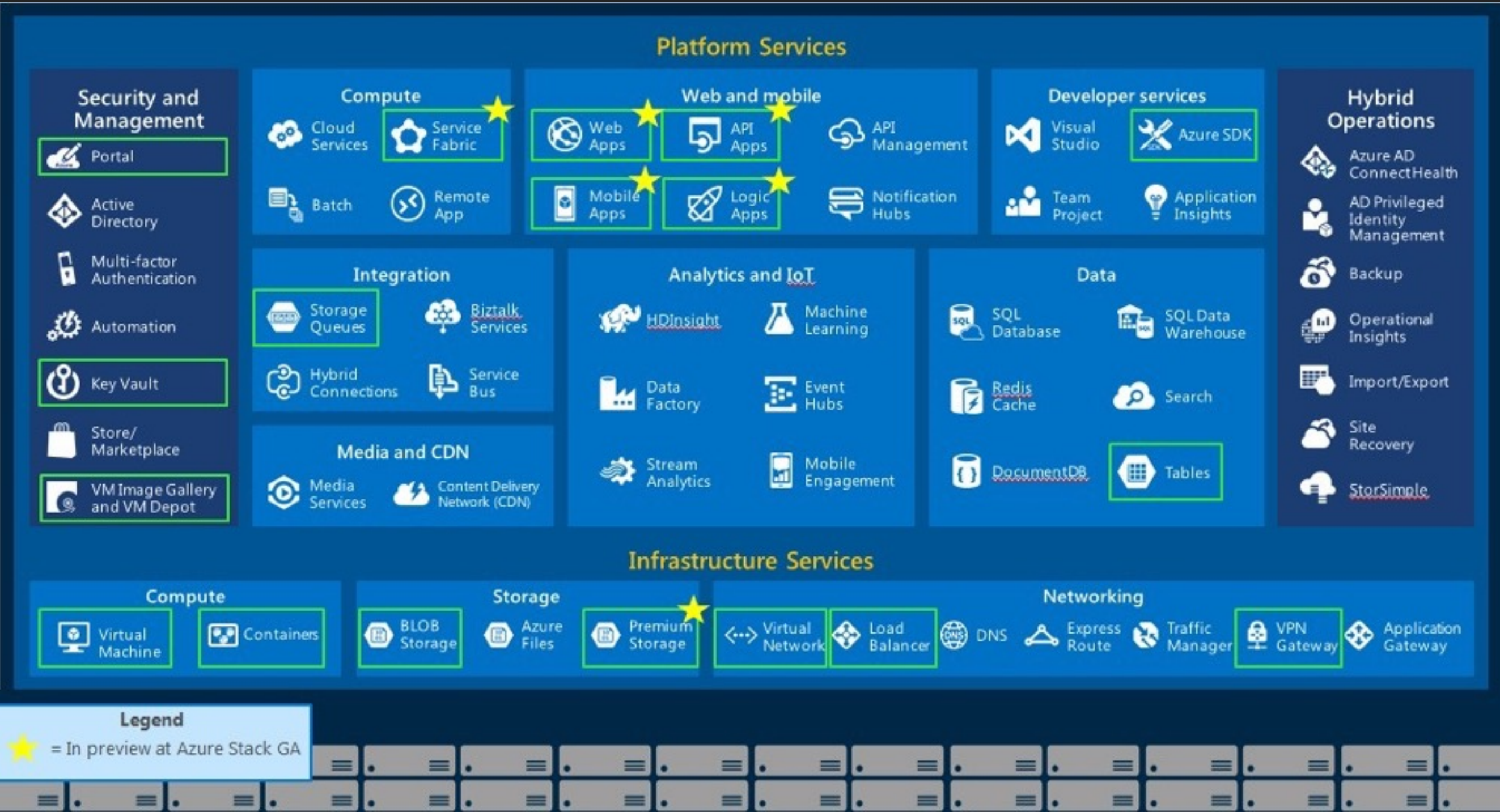
MICROSOFT

AZURE CONTAINER SERVICES

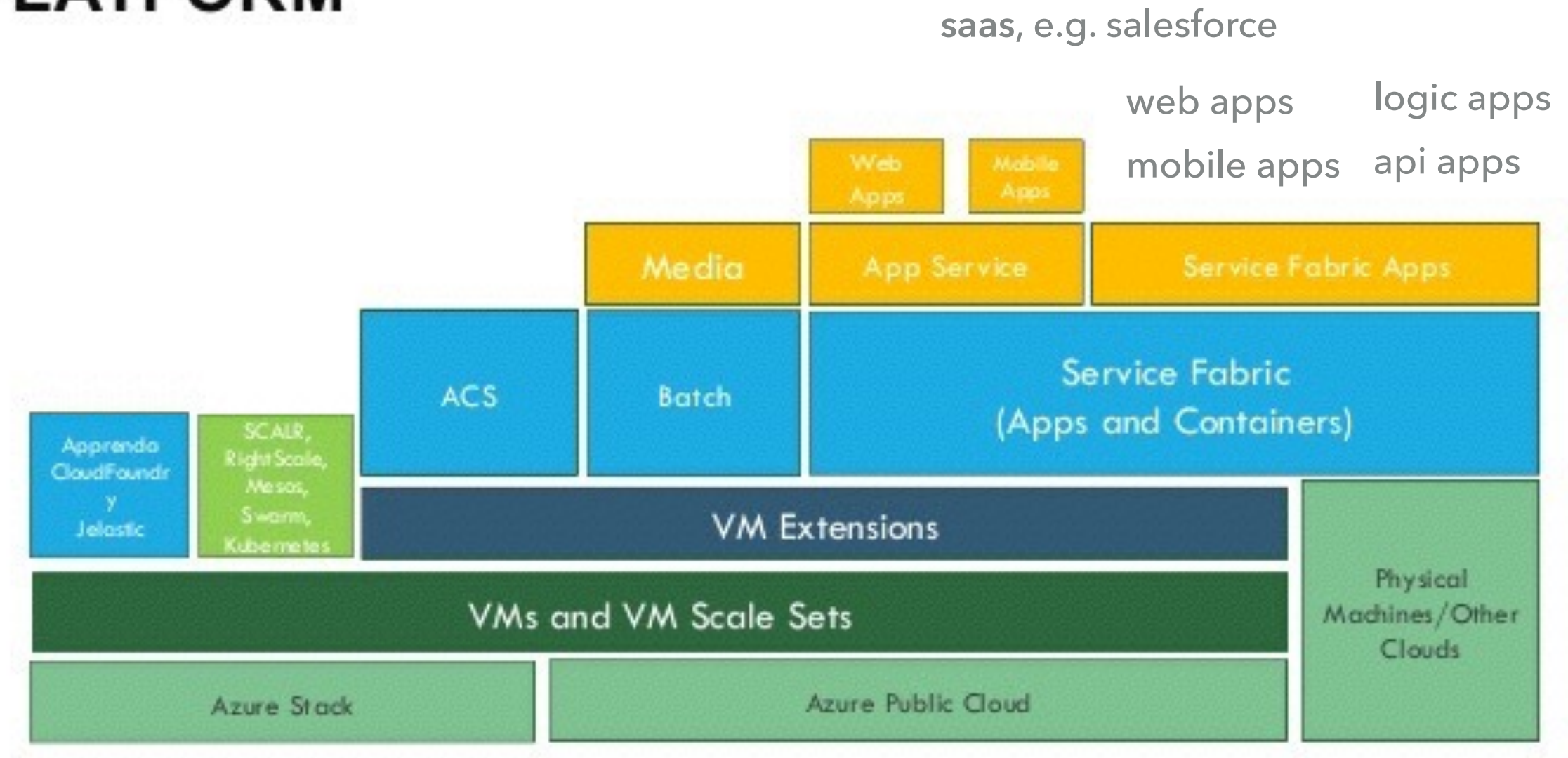
INDEX

- ▶ what is azure container service
- ▶ why
- ▶ demo and questions

WHAT IS IT - CONTEXT



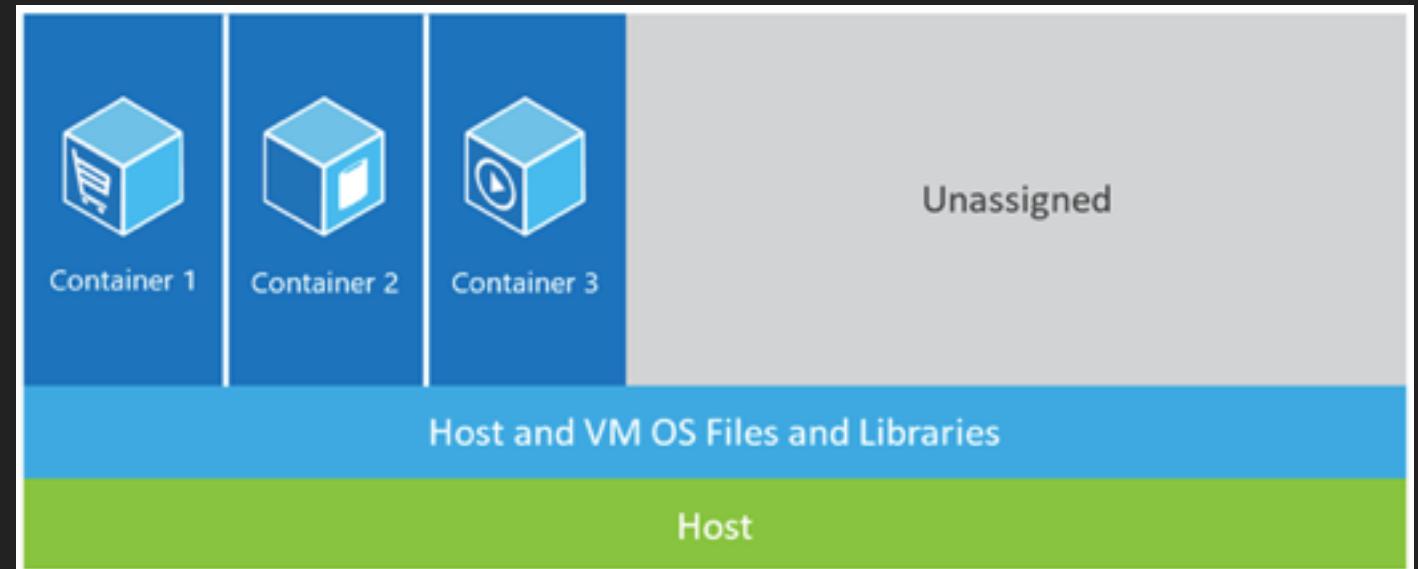
AZURE'S NEXT GENERATION CLOUD PLATFORM



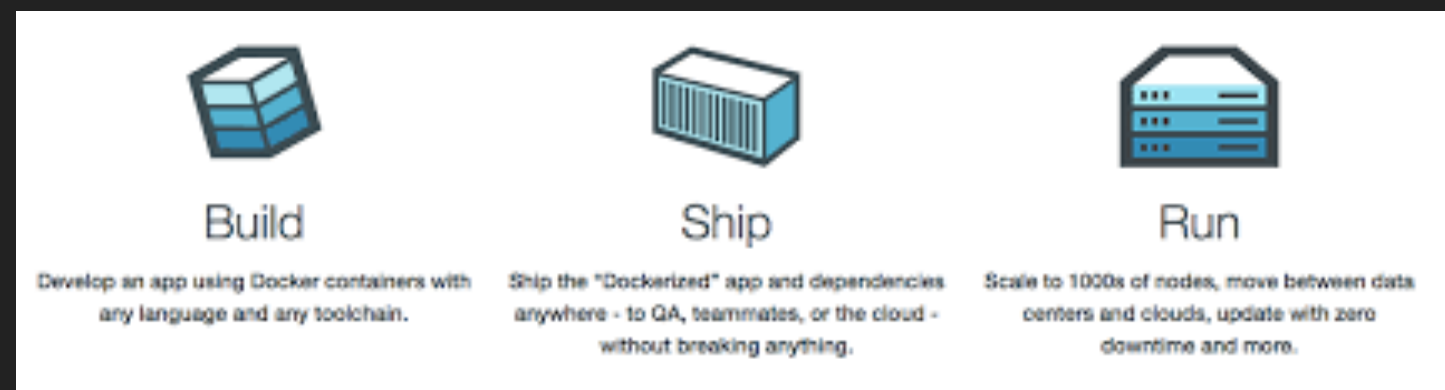
LET'S GO DEEPER - WHAT IS IT

DOCKER

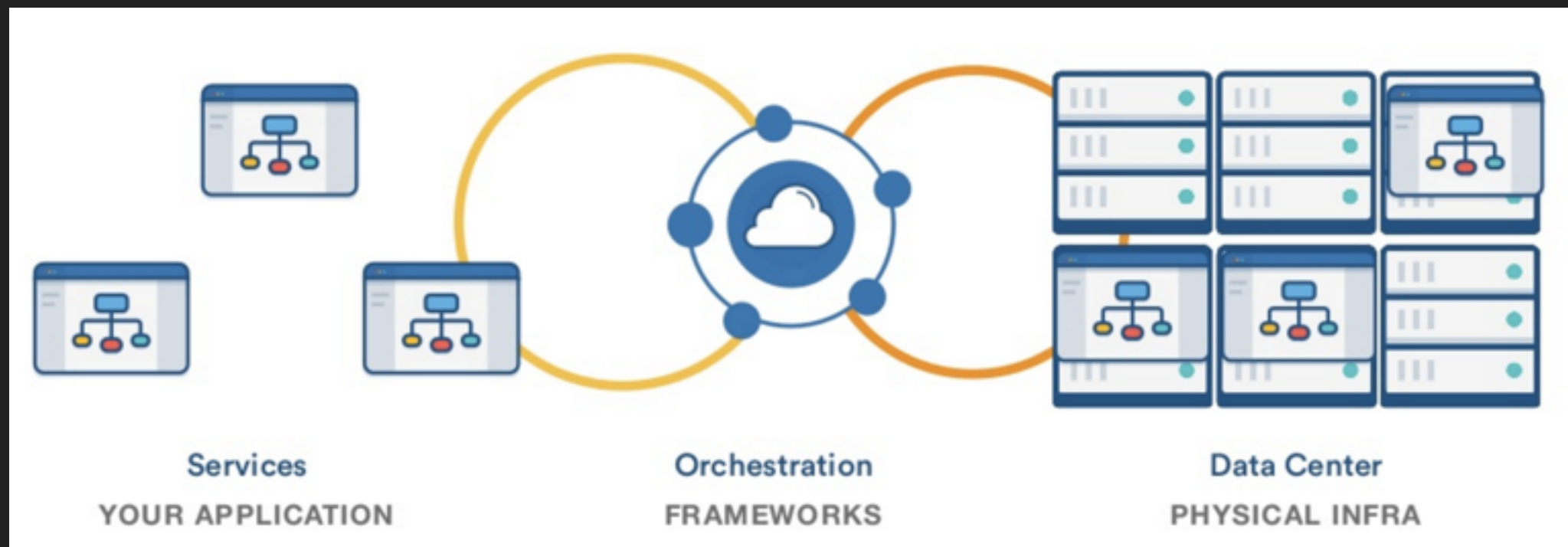
EVER HEARD OF...IT RUNS ON MY LAPTOP, BUT NOT IN PRODUCTION



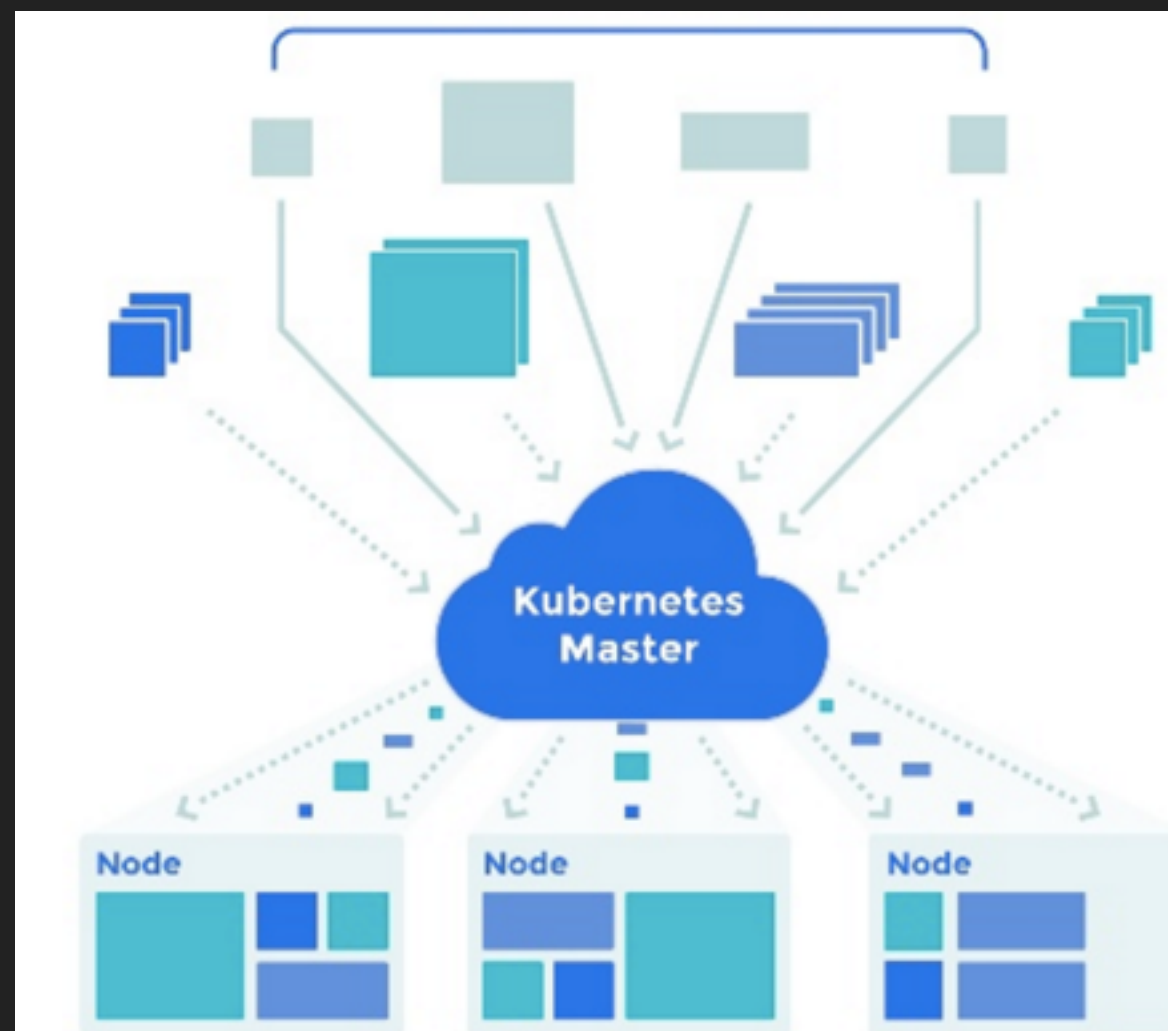
- ▶ virtual Machine vs Container, why so fast → layers!!!
- ▶ windows/ Linux different API...but RUNC soon!
- ▶ microservices



FROM SIMPLE (DOCKER) APP TO COMPLEX (DOCKER) ENVIRONMENT



ORCHESTRATION FRAMEWORKS



WHAT DO WE HAVE IN STORE...CURRENTLY

AZURE OFFERING

Azure Container Services



DC/OS



Marathon

Swarm/ Fleet

Chronos

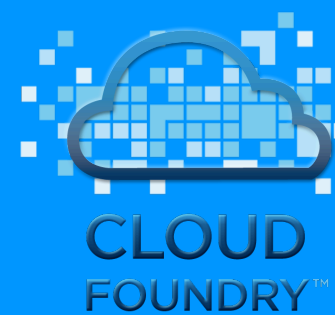
Swarm schedule

Docker/ Mesos

Docker

Mesos

Pivotal Cloud Foundry



Diego

Diego

Garden L+W

BOSH

OpenShift (no MP yet)



Kubernetes

Kubernetes

Pod/ Docker

SOLUTION/ PRODUCT SUMMARY

Application Orchestration

Cloud foundry / Openshift/ Rancher

Container Orchestration

Marathon/ Swarm / Kubernetes / Fleet / Diego

Job Scheduling

Chronos / Swarm/ Kubernetes / Diego

Containerization

Docker/ Mesos/ Garden L+W/ POD

Resource Management

Mesos/ BOSH

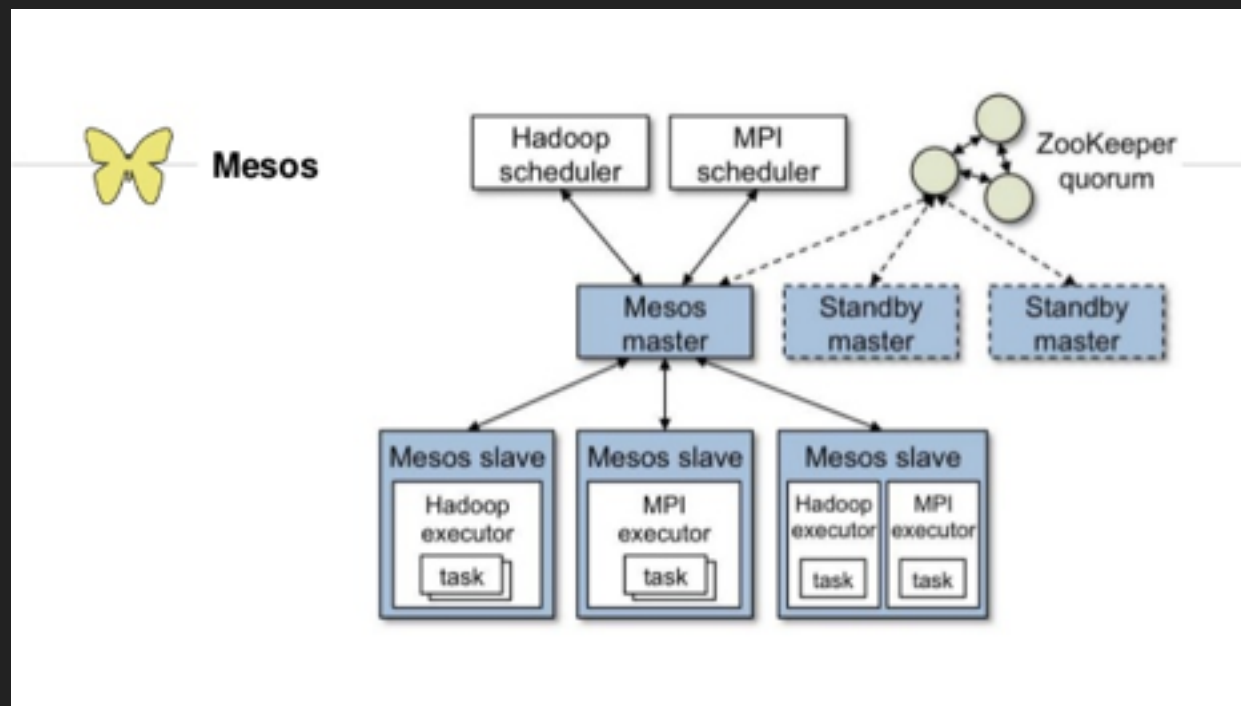
Provisioning

Puppet/ Chef / Ansible/ Salt/ CFEngine

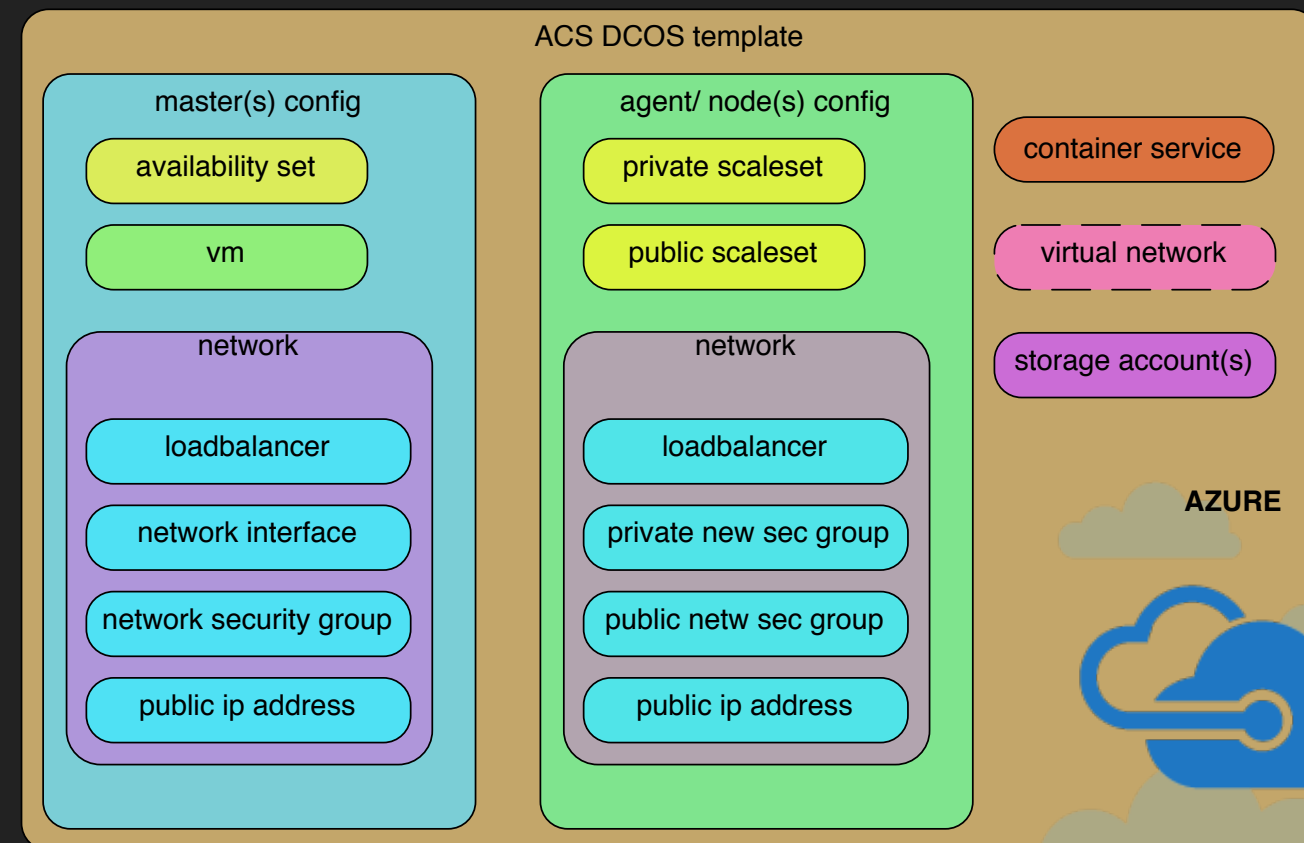
machine management

Azure/ AWS/ GCE/ OpenStack

AZURE CONTAINER SERVICE – DC/ OS TEMPLATE



UPDATE DOMAIN
AVAILABILITY DOMAIN

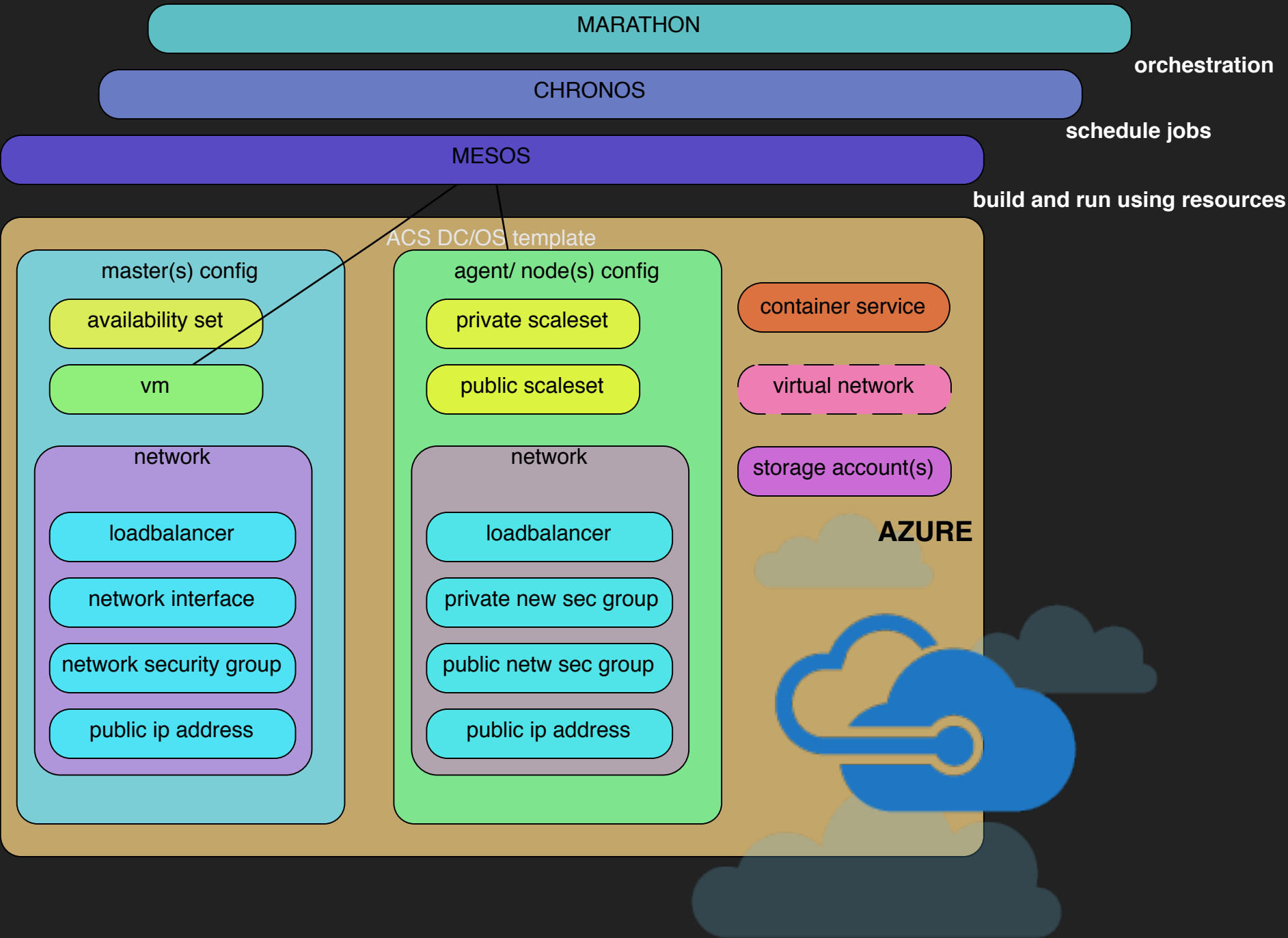


HOW DOES IT WORK

APP JSON

LIMITATIONS

CLUSTER RESIZE



WHY

- ▶ based on docker
 - ▶ ideal for 2 vendor strategy, vendor independent
 - ▶ ideal for microservices strategy
- ▶ flexibility software development
- ▶ robust scalable/ no maintenance infrastructure
- ▶ container technology, no hassle with CM

CLOSING

DEMO AND QUESTIONS



<https://github.com/cvugrinec/microsoft/tree/master/acs-demo>

