

#GlobalAzure



Azure Container Strategy

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Agenda

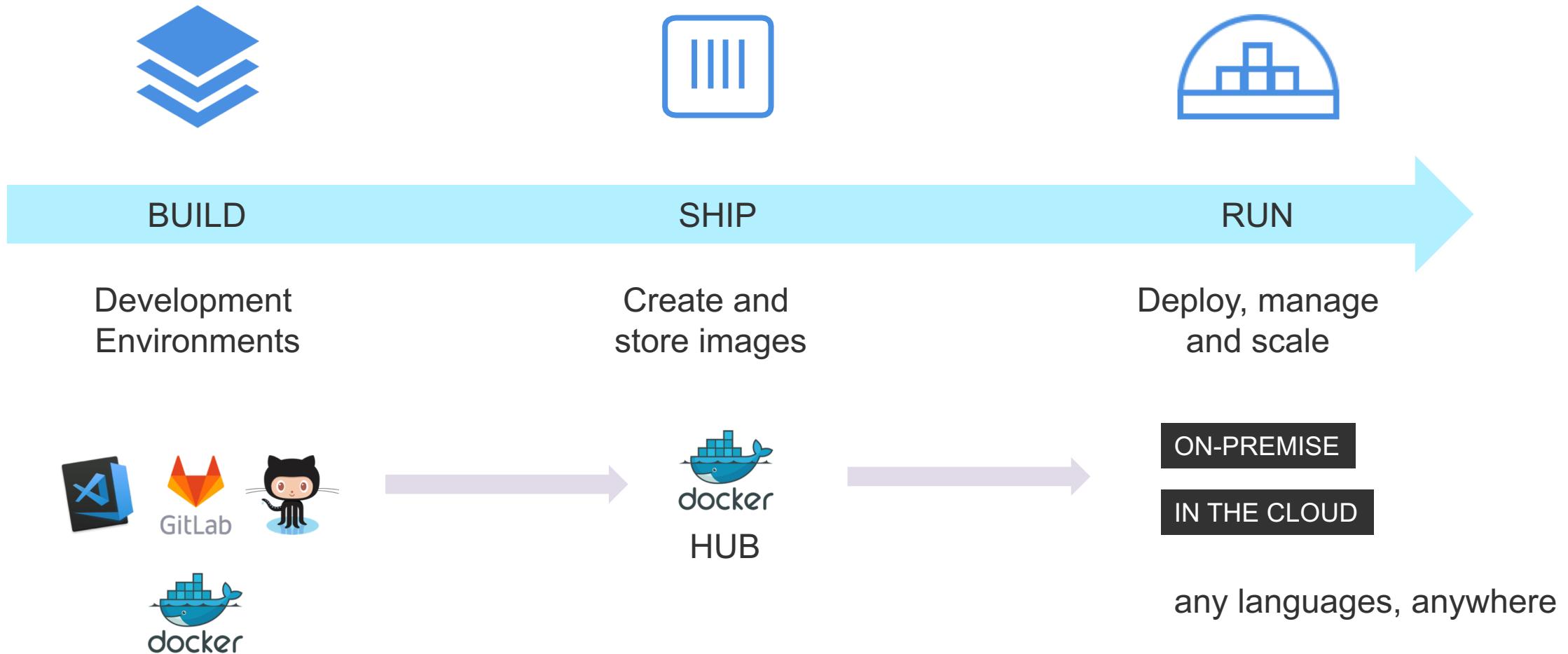
- Container History
- Docker Philosophy
- Containerization Landscape
- Container Services on Azure
- Demo
- Q & A

Container in a nutshell

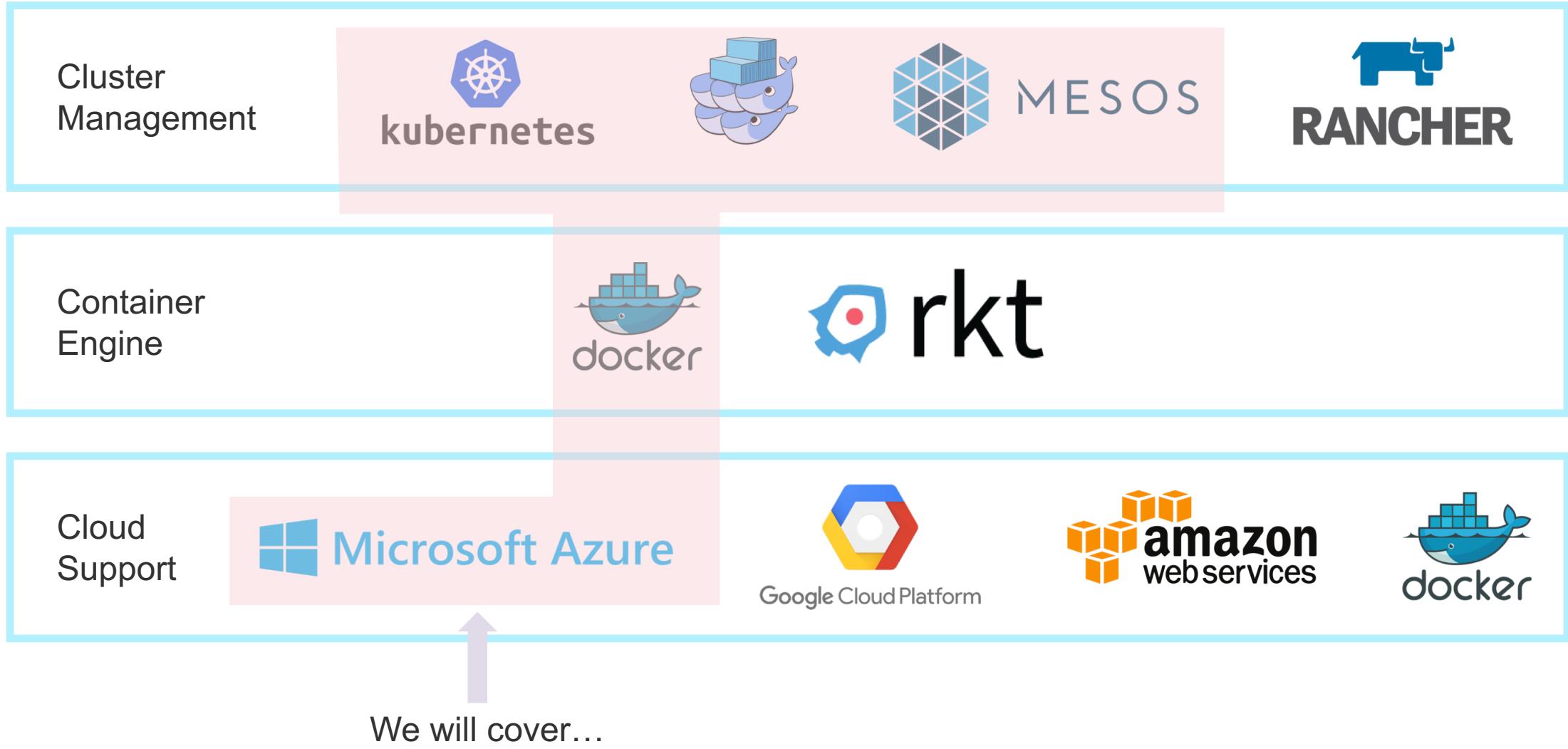


Source: Internet

Docker Mission



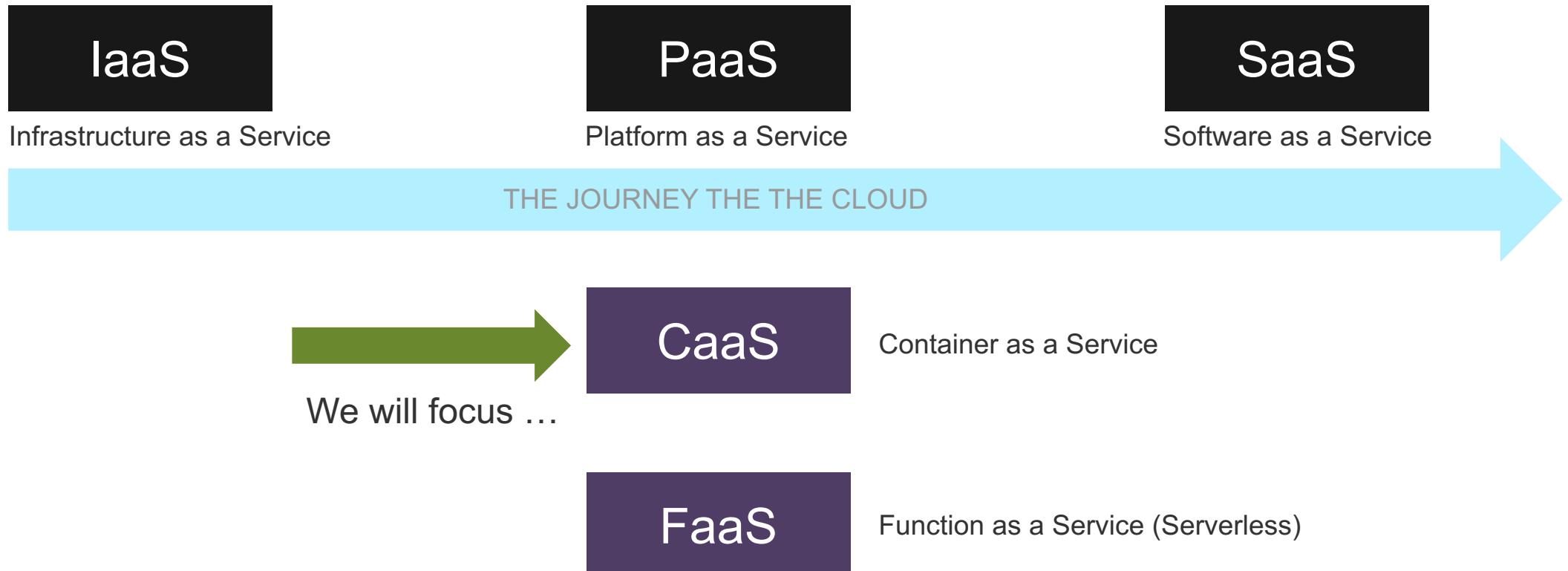
Containerization Landscape



Why containerization?

-
- A Perfect match with microservices
 - B Super fast container creation
 - C Scale easily, self-healing, self-organization
 - D Run on both on-premise and the cloud
 - E Less error-prone deployment

Path to CaaS



Container Services On Azure (CaaS)



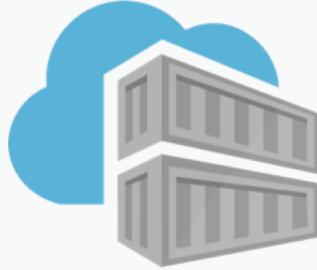
Azure Container Instances

Constantly deploy containers to Azure



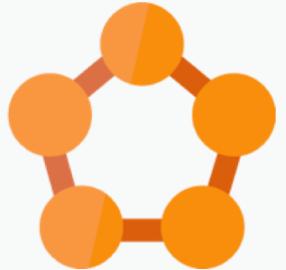
Azure Container Service

Build container clusters on Azure (Docker Swarm, Kubernetes, DC/OS)



Azure Container Registry

Private and secure container registry on the cloud



Azure Service Fabric

Microservices cluster management on Azure



Azure WebApp for Containers

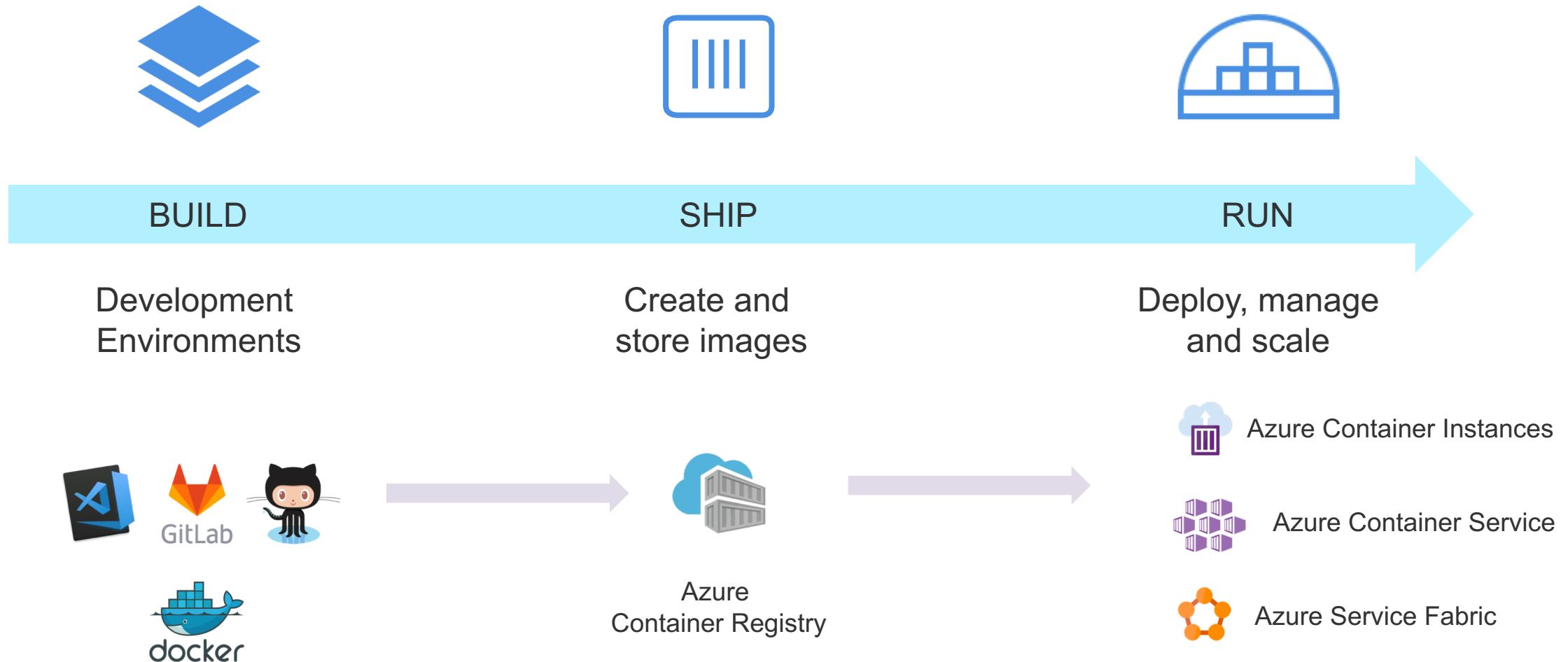
Deploy Web Application using containers on Azure WebApp



Azure Batch for containers

Run batch tasks by containers

Build Ship Run on Azure





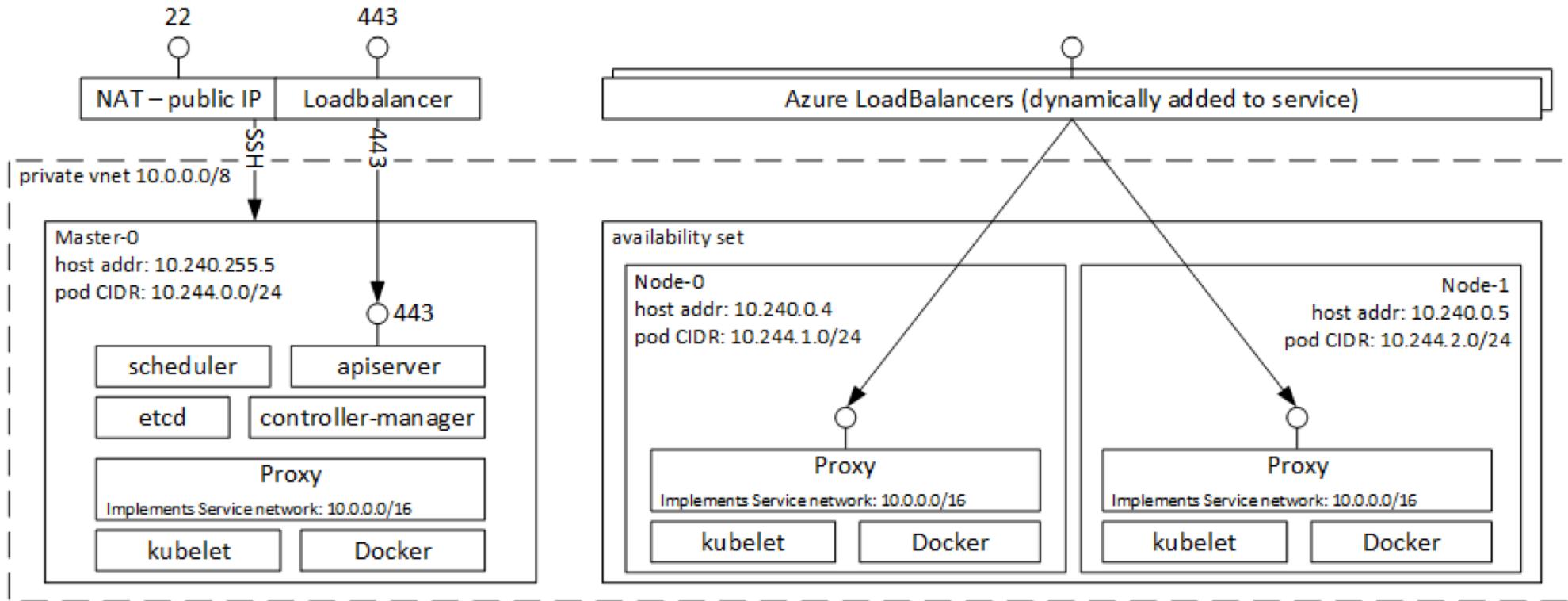
Azure Container Registry



- 1** Similar private Docker Hub
- 2** Secured registry, integrate with Service Principal, Azure AD
- 3** Geo Replicated
- 4** Many options: Basic, Standard, Premium
- 5** Web Hooks



Azure Container Service (AKS)



1 Support **Kubernetes**, Docker Swarm and DC/OS

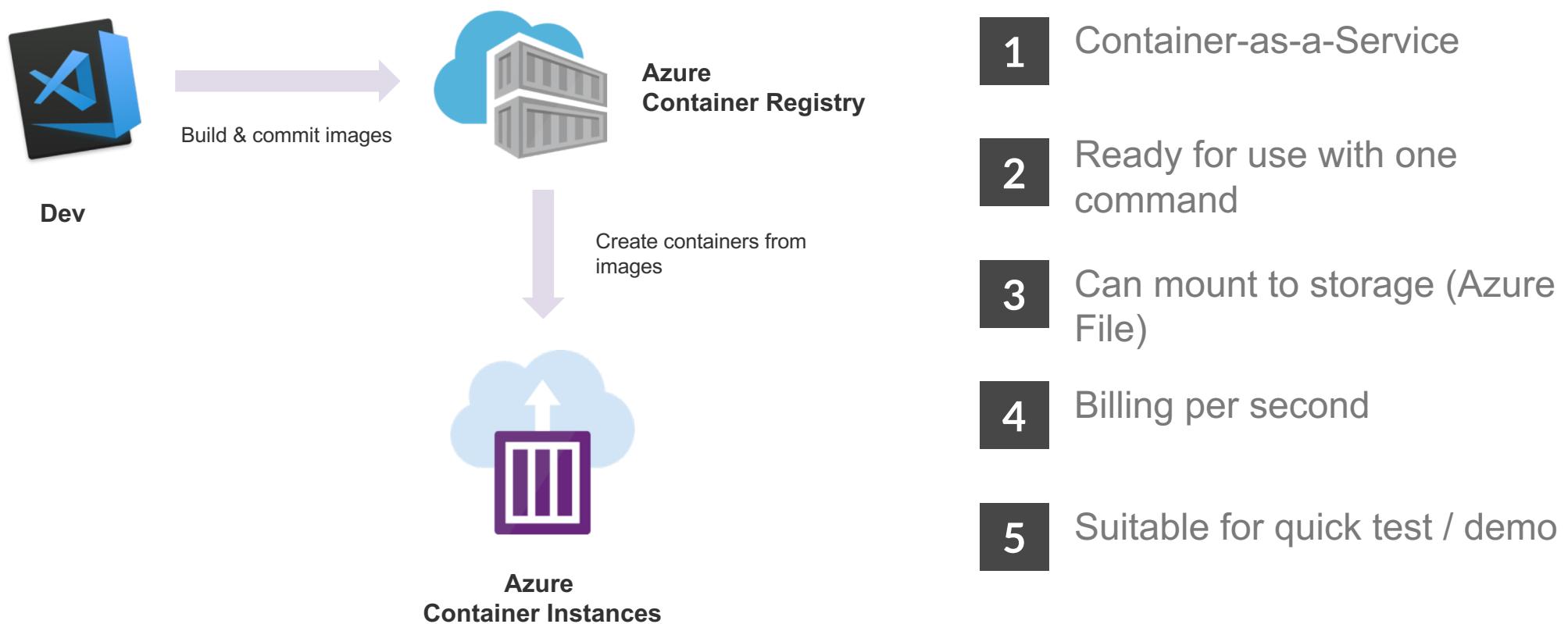
2 Only pay for resource consumption

3 Open source at
<https://github.com/Azure/acs-engine>

4 Integrate with Azure Container Registry

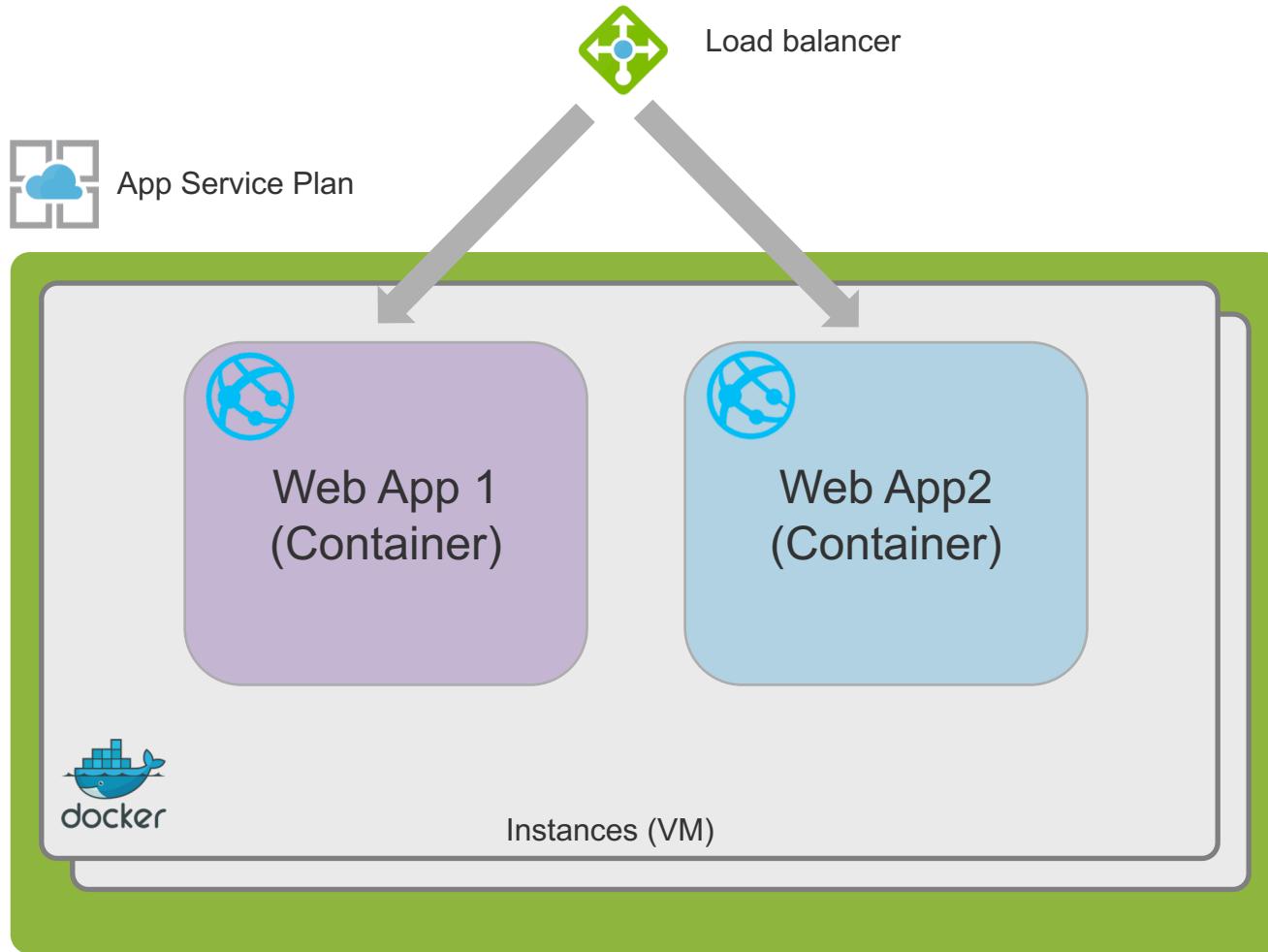


Azure Container Instances



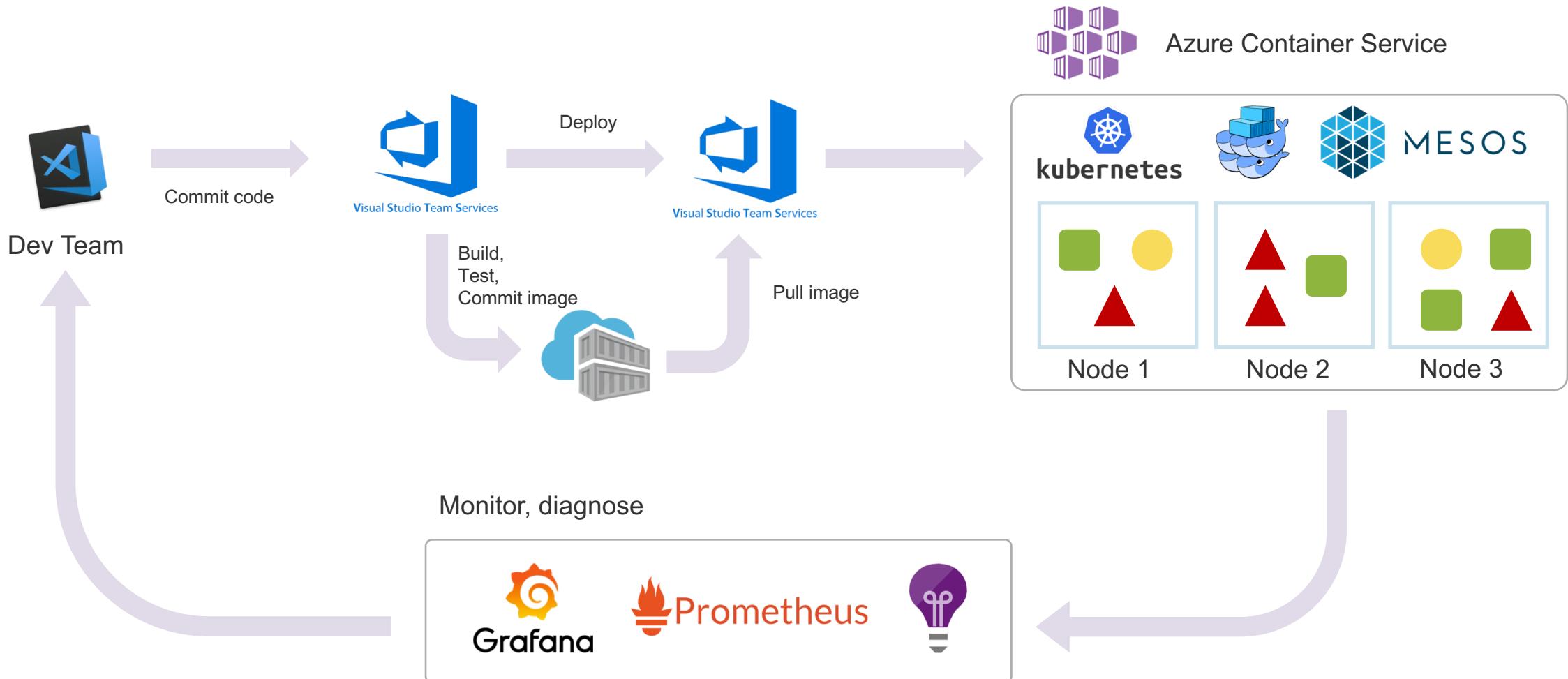


Azure Web App for containers



- 1** Containers within PaaS
- 2** Auto scale, CI/CD, bind domains, ...
- 3** Templates ready for .NET, NodeJS, PHP, Ruby, ...
- 4** Monitoring & diagnostics
- 5** Deployment slots

Container Continuous Delivery



Strategy & Recommendation

Find the Azure service for your container needs

IF YOU'RE LOOKING FOR THIS...

USE THIS

Simplify the deployment, management, and operations of Kubernetes

[Azure Container Service \(AKS\)](#)

Easily run containers on Azure with a single command

[Container Instances](#)

Store and manage container images across all types of Azure deployments

[Container Registry](#)

Develop microservices and orchestrate containers on Windows or Linux

[Service Fabric](#)

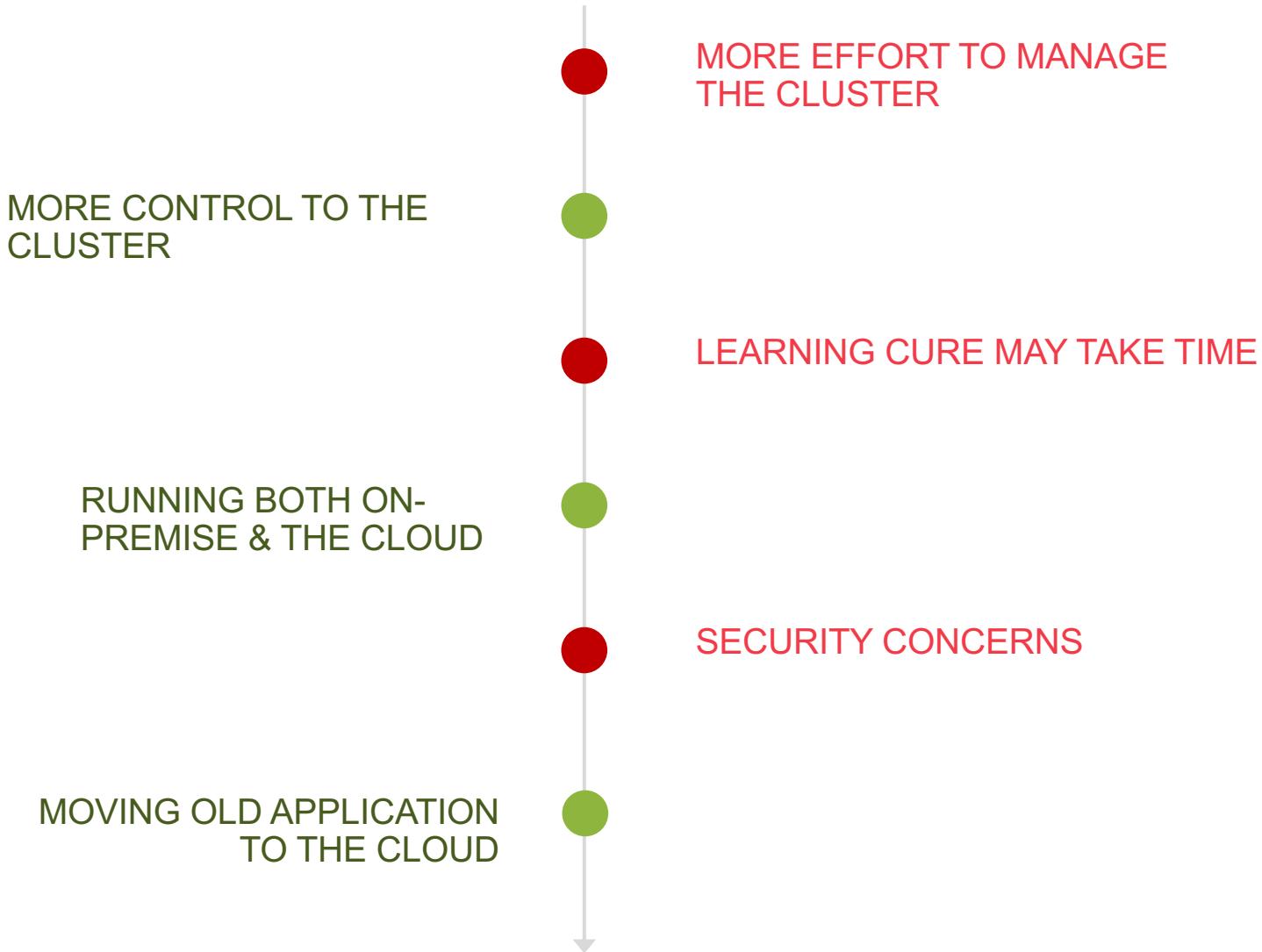
Deploy web applications on Linux using containers

[App Service](#)

Run repetitive compute jobs using containers

[Batch](#)

Containerization Pros & Cons



Demo

Azure Kubernetes Service (AKS)
Azure Container Registry



THANK YOU

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