





'A decade ago no one could have seen this coming. But that was yesterday. Today, Microsoft is working hand-in-glove with other companies and open-source software.'

Yes, Microsoft. Yes, Java. Oh, and yes, open source.

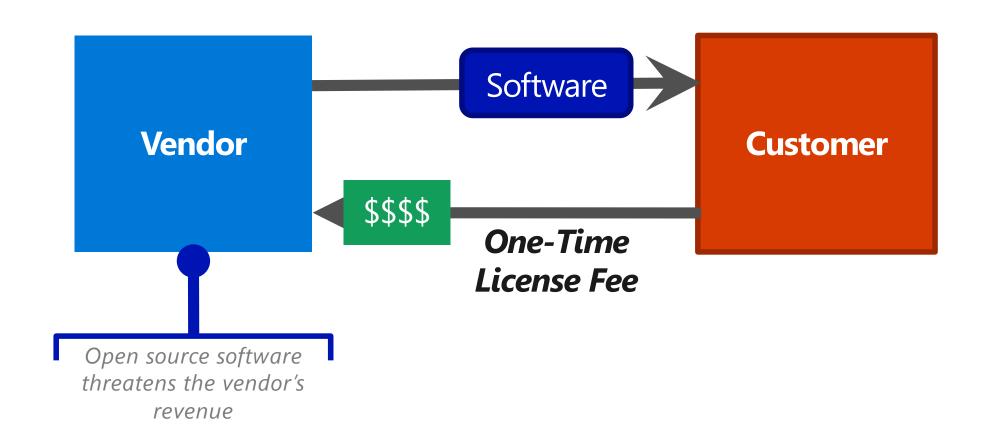


By Steven J. Vaughan-Nichols | June 14, 2017 -- 16:31 GMT (09:31 PDT) | Topic: Cloud

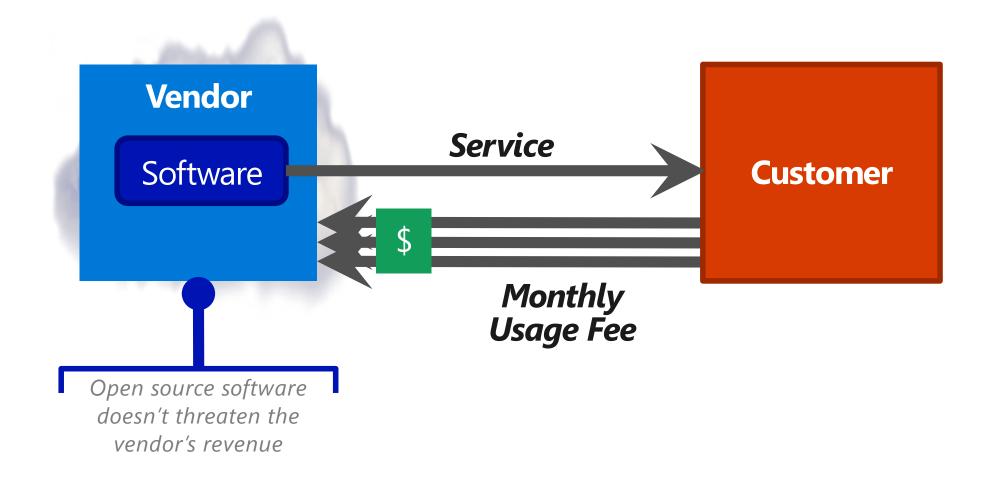


Ok... but why now? Why didn't you do it before?

Making Money from Software Licensing



Making Money from Software Cloud services









Security Center





Azure Active Directory



Azure AD B2C



Multi-Factor Authentication



Automation



Scheduler



Key Vault



Store/ Marketplace



VM Image Gallery & VM Depot

Media & CDN





Integration



API Management





Service Bus

Compute Services



Container



VM Scale Sets





RemoteApp



Dev/Test Lab

Platform Services

Application Platform





Visual Studio

VS Team Services

Application Insights



Mobile Apps



Cloud









Developer Services

Functions

Data



SQL Database

SQL Server Stretch Database



SQL Data Warehouse

Intelligence

Analytics & IoT

Redis Cache



DocumentDB

Stream Analytics

Data Lake
Analytics Service

Data Lake Store

Data Factory

Networking



AD Privileged Identity Management

Hybrid

Cloud



Domain Services

Azure AD Health Monitoring



Backup



Operational Analytics



Import/Export



Azure Site Recovery



StorSimple

Infrastructure Services

Engagement

Xamarin

HockeyApp

Compute



Virtual Machines





Blob



Queues



Storage













HDInsight













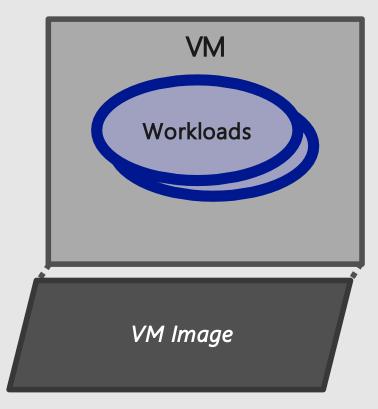
App Gateway

Datacenter Infrastructure

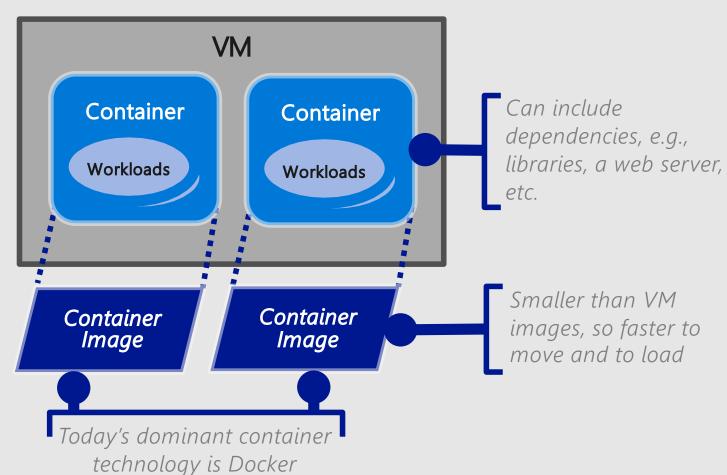
Containers...

Illustrating Containers

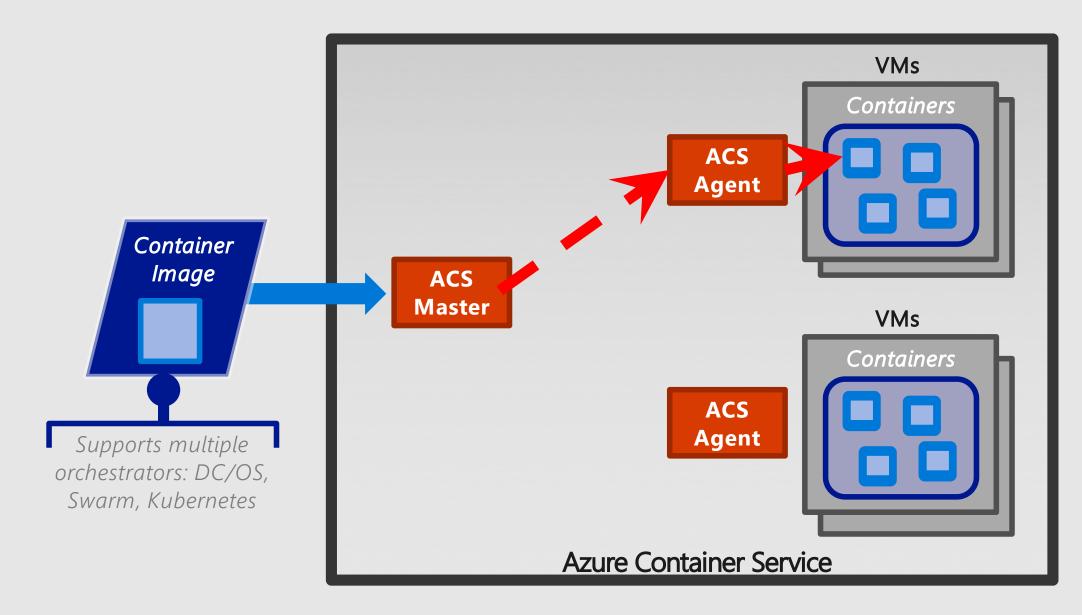
Virtual Machines



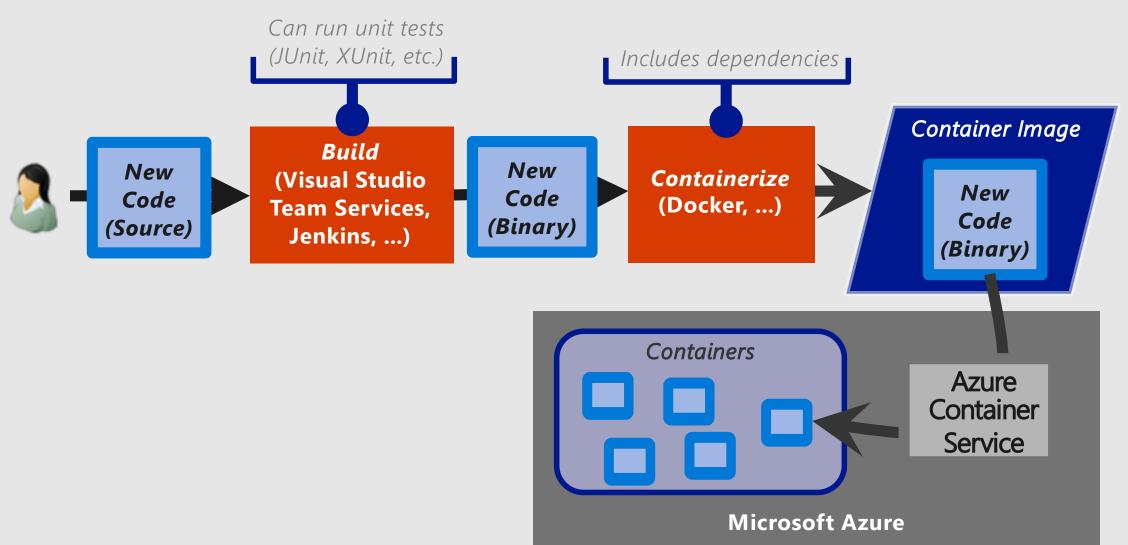
Containers



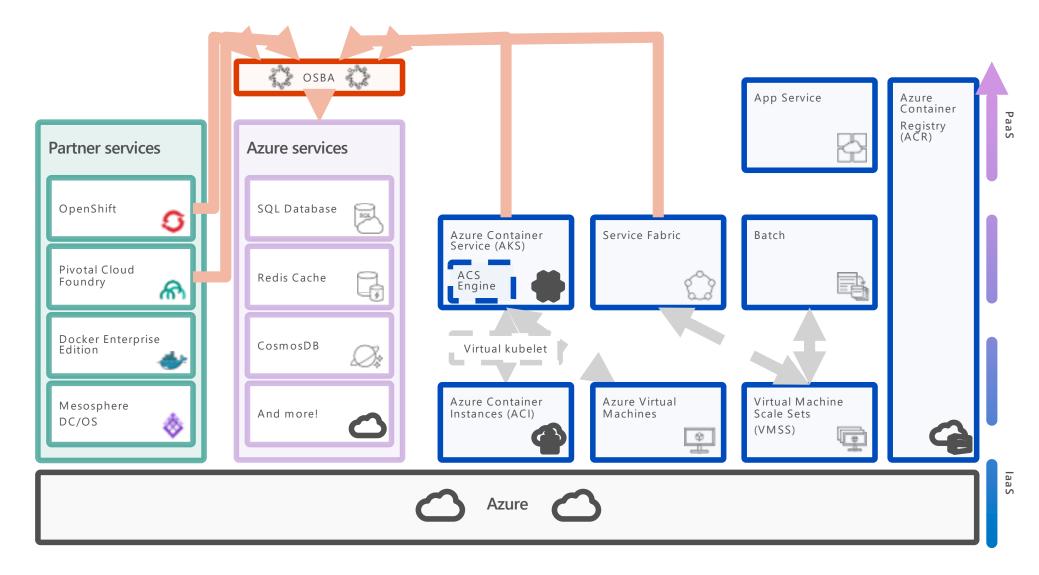
Container orchestration



DevOps - Tool Change Automating new code deployment

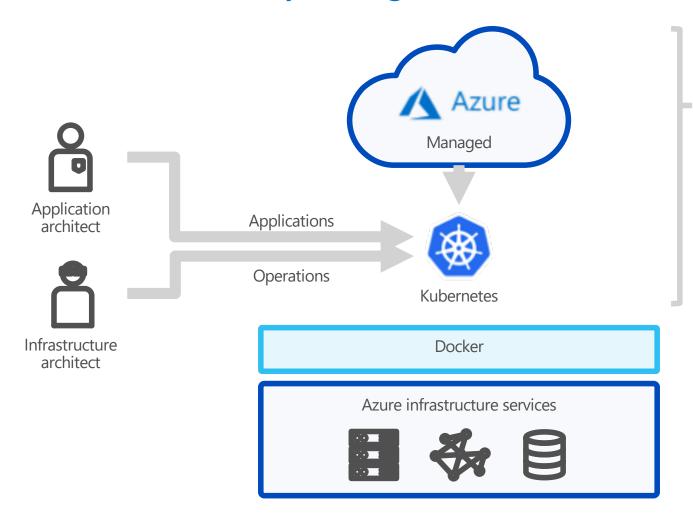


Azure container ecosystem



Azure Container Service (AKS)

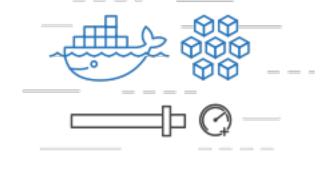
A fully managed Kubernetes cluster

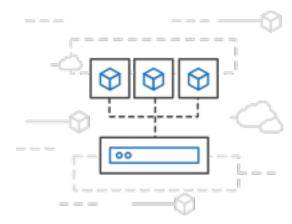


- Managed control pane
- Automated upgrades, patches
- · Easy cluster scaling
- Self-healing
- Cost savings

Easily run containers on Azure with a single command







Start using containers right away

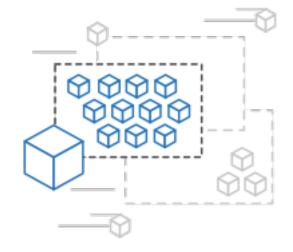
Cloud-scale container capacity

Hyper-visor isolation

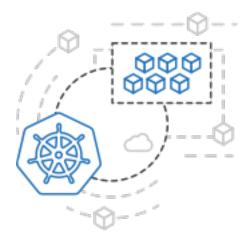
ACI Connector for Kubernetes



Kubernetes provides rich orchestration capabilities

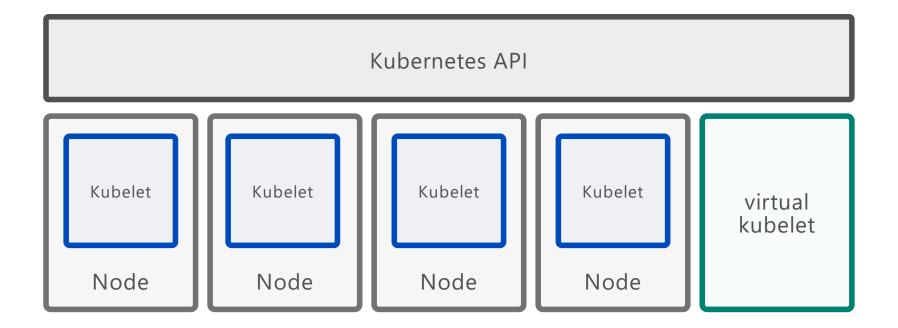


ACI provides infinite container-based scale



The ACI Connector for K8s brings them together

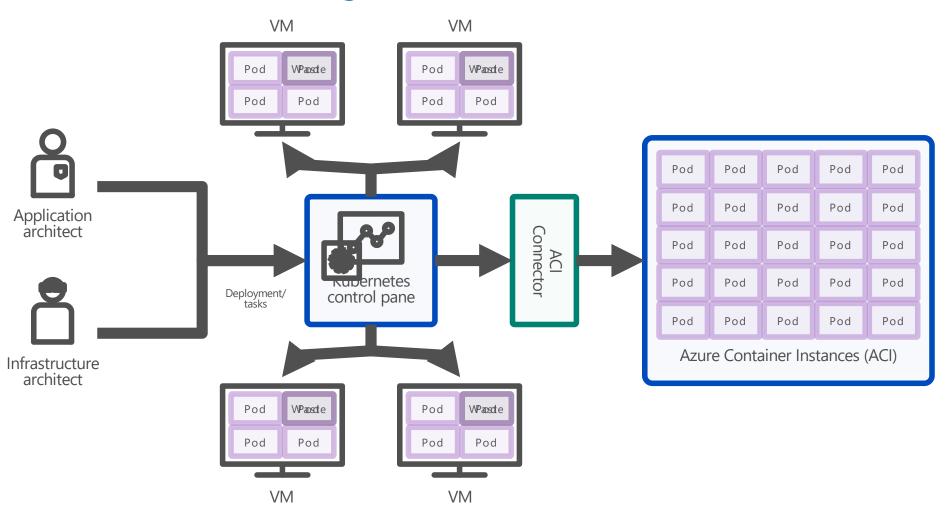
Virtual Kubelet



Typical kubelets implement the pod and container operations for each node as usual.

Virtual kublet registers itself as a "node" and allows developers to program their own behaviors for operations on pods and containers.

Bursting with the ACI Connector

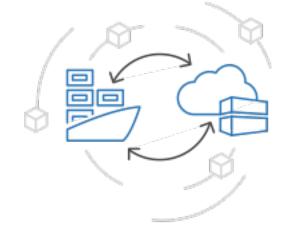


Azure Container Registry

Manage a Docker private registry as a first-class Azure resource



Manage images for all types of containers



Use familiar, opensource Docker CLI tools



Azure Container Registry geo-replication

Demo

Let's see ACIs in action...

Containers are gaining momentum

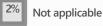
Does your organization currently use container technologies?¹

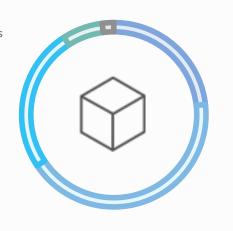
My org. is evaluating container technologies











Larger companies are leading adoption.²

Nearly **60% percent** of organizations running 500 or more hosts are classified as **container dabblers** or adopters.



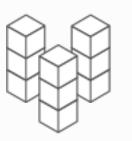
The average company QUINTUPLES its container usage within 9 months.¹



Container hosts often run SEVEN containers at a time.¹



Containers churn 9 times FASTER than VMs.¹



9×

Source:























































of Fortune 500 use Microsoft Cloud





Open Source

totipu@microsoft.com http://tipuric.com/ @totipu