Microsoft+

### Empowering Your Digital Transformation Microsoft, Cloud and Open Source

Open Source Software 전략 총괄 한국마이크로소프트 최주열 이사

### Microsoft + Open Source Momentum



SQL Server on Linux (Preview today, GA in mid-2017)



Red Hat - Microsoft Partnership (Nov 2015)



HD Insight PaaS on Linux GA (Sep 2015)



Microsoft joins Eclipse Foundation (Mar 2016).

Windows Subsystem for Linux Run Linux on Windows natively (March 2016)

C:\Users\markhill> bash root@localhost: # Microsoft

Solutions Associate

Linux<sup>®</sup> on Azure





In partnership with the Linux Foundation, Microsoft releases the Microsoft Certified Solutions Associate (MCSA) Linux on Azure certification.

Ross Gardler: President Apache Software Foundation Wim Coekaerts: Oracle's Mr Linux

Azure Marketplace

60% of all images in Azure Marketplace are based on Linux/OSS

1 out of 4 VMs on Azure runs Linux, and getting larger every day • 28.9% of All VMs are Linux

>50% of new VMs

493,141,677

1 out of 43

?????? Microsoft Open Source Hub

# Our Open Source Strategy

- 1. Meet where customers are
- 2. Deliver the most productive and trustworthy cloud services platform that enables developers using *any framework* on *any device* or *OS* to create and power the world's apps and services that run *anywhere*
- 3. Best cloud platform for partners to succeed

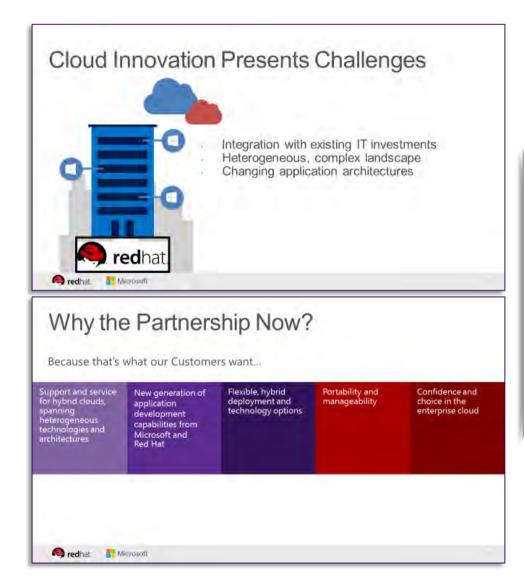
### Any app, language, device or OS works with Azure



### Any app, language, device or OS works with Azure



### Microsoft-Red Hat Partnership



1. Red Hat solutions available natively to Microsoft Azure customers

Nicrosoft Microsoft

- Through Red Hat Cloud Access subscription mobility or
- Red Hat Enterprise Linux images On-Demand (pay-as-you-go) available in the Azure Marketplace
- Red Hat Enterprise Linux Virtual Machines, and
- Red Hat JBoss Enterprise Application Platform; Red Hat JBoss Web Server; Red Hat Gluster Storage; OpenShift (Red Hat PaaS)
- 2. Management tooling integration across hybrid cloud deployments
- 3. Microsoft Windows supported on Red Hat Enterprise Linux OpenStack Platform and Red Hat Enterprise Virtualization
- 4. Microsoft .NET integration and availability with Red Hat Enterprise Linux
- 5. Integrated enterprise-grade support: Co-location of support teams (unique to MS)

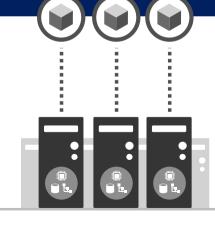
### Cloud is a new way to think about your datacenter

#### Traditional model

- Dedicated infrastructure for each application
- Purpose-built hardware
- Distinct infrastructure and operations teams
- Customized processes and configurations

#### Cloud model

- Loosely coupled apps and micro-services
- Industry-standard hardware
- Service-focused DevOps teams
- Standardized processes and configurations







**Services** 



Workstations - On-Premises | Hybrid | Cloud



This graphic shows OSS and partner products that are integrated with the Microsoft DevOps solution

People | Process | Tools

02

Test

 $\bigotimes$ 

Build

Services - On-Premises | Hybrid | Cloud

Build/CI

٩

Test

() gradle

GRUNT

Jenkins

🕅 Hudson

💽 gradle

GRUNT

Environments - On-Premises | Hybrid | Cloud

03

04

Monitoring - On-Premises | Hybrid | Cloud

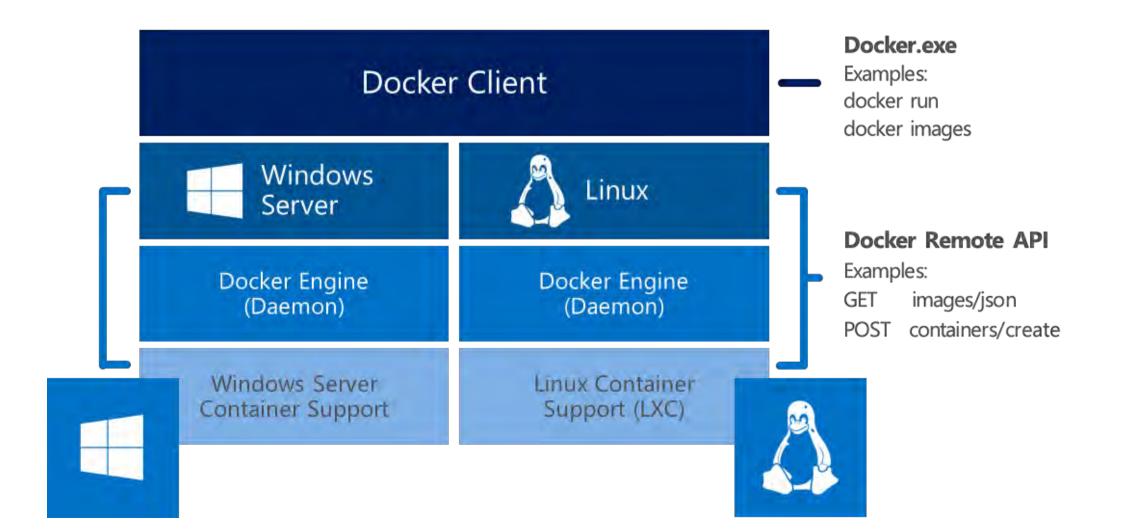
& Learn

Monitor



Monitor
Nagios
ZABBIX

#### Docker Integration Joint strategic investments to drive containers forward

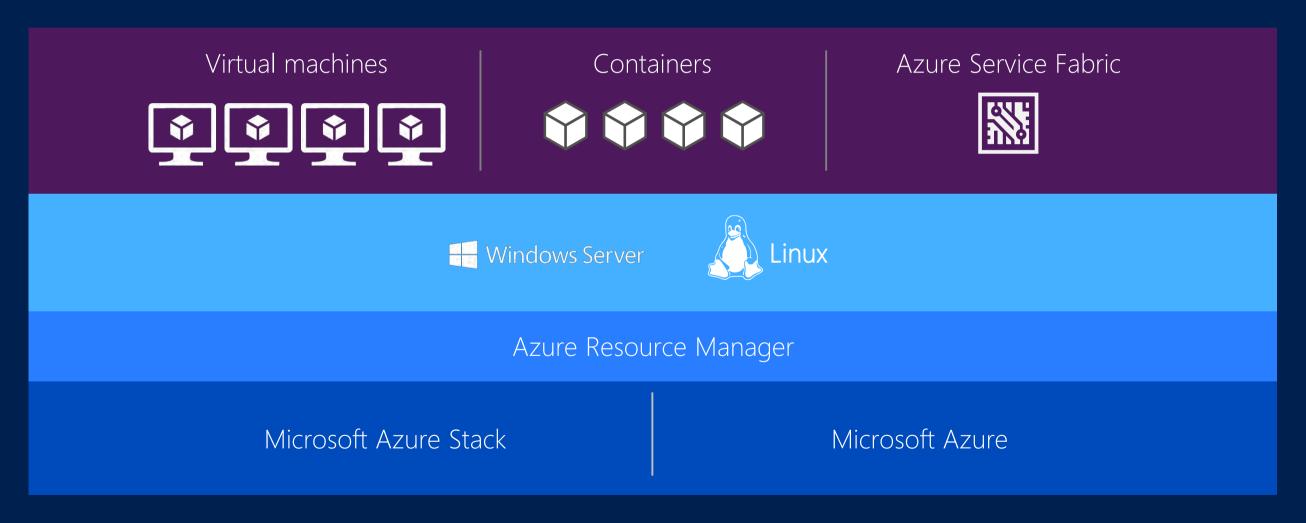


### Azure Container Service

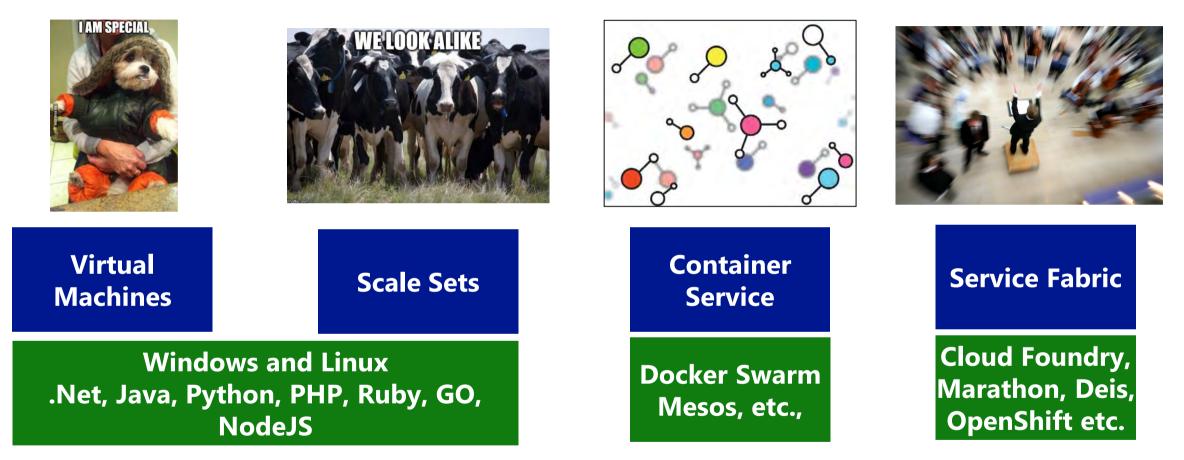


- Streamlined provisioning of Apache Mesos Clusters
- Layered support of Swarm, Marathon, and Chronos
- Docker tooling and API support
- Integrated app management and scaling
- Linux and Windows Server containers
- Public and Private cloud

## Write once, deploy any Microsoft Cloud



### Cloud is a New Way to Think About Your Datacenter



### Azure is open at every layer

System Administrator

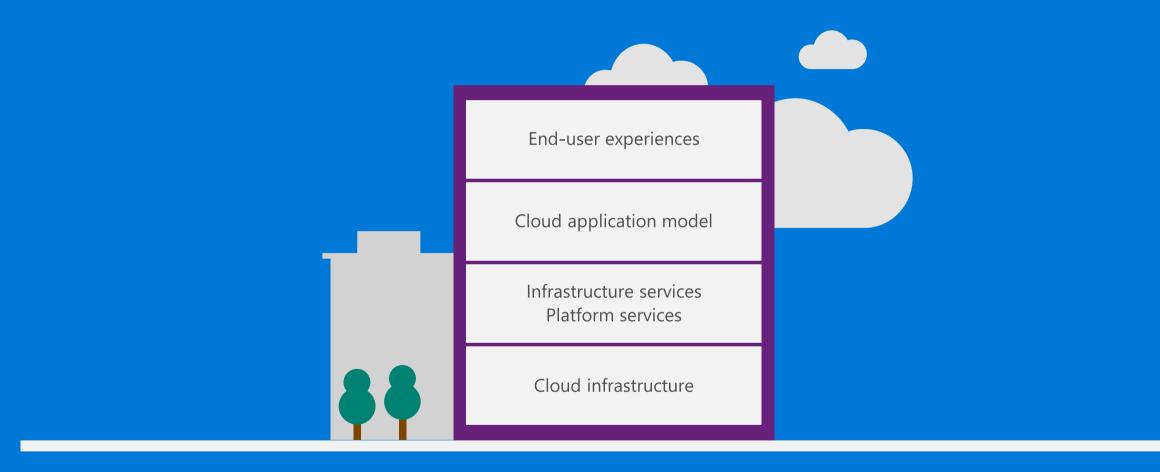
**Azure Resource Manager** 

Developer



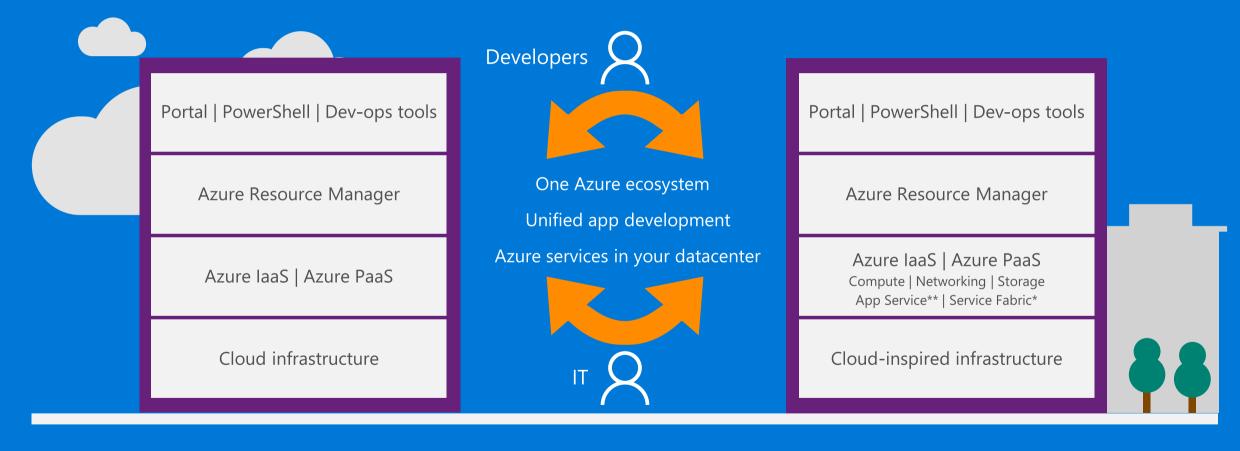
The Power of Azure in Your Datacenter Microsoft Azure Stack is a new hybrid cloud platform product that enables organizations to deliver Azure services from their own datacenter thereby helping them achieve more.

### What does a hybrid cloud platform look like?



Private | Hosted | Public

### Microsoft's hybrid cloud platform Power of Azure in your datacenter



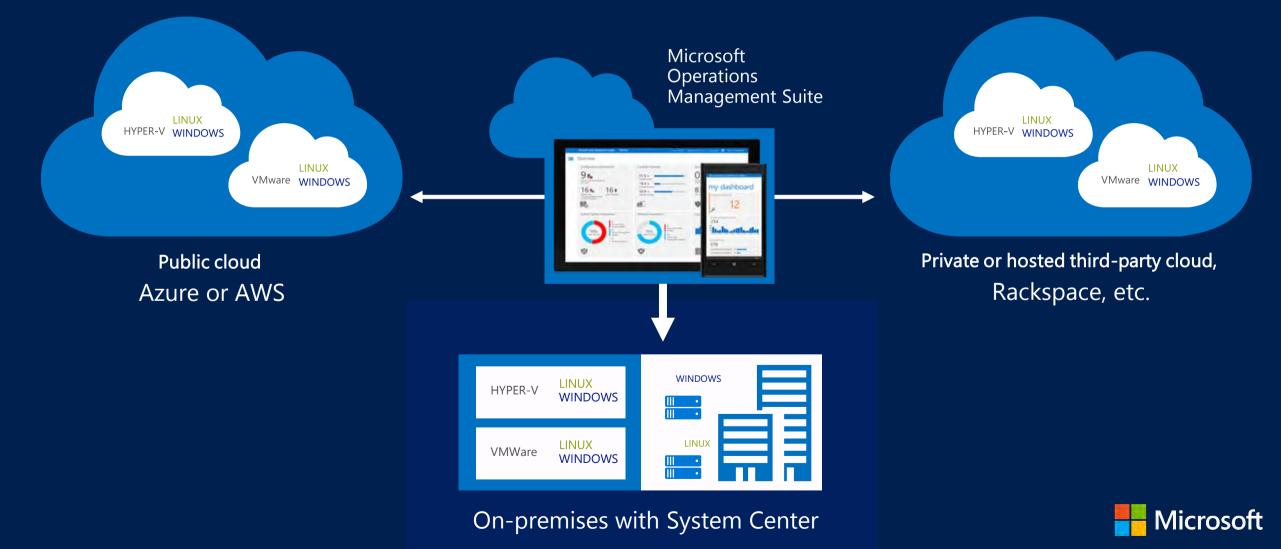
Microsoft Azure Public

#### Microsoft Azure Stack Private | Hosted

TP1 = Technical Preview 1 \*\* - Only Web Apps is in TP1, \* - not in TP1

### Microsoft hybrid IT management

Simplified guest and workload management, both on-premises and in the cloud



One Azure ecosystem

Jump-start your Azure Stack efforts with the rich Azure ecosystem

Azure Resource Manager templates

Windows Server and Linux VM images

Third-party services and extensions

GitHub to store and share above application components





© 2015 Microsoft Corporation. All rights reserved.