Azure, an open cloud





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A change in Microsoft





Our Mission

"Empower every person and every organization on the planet to achieve more"













Our Vision





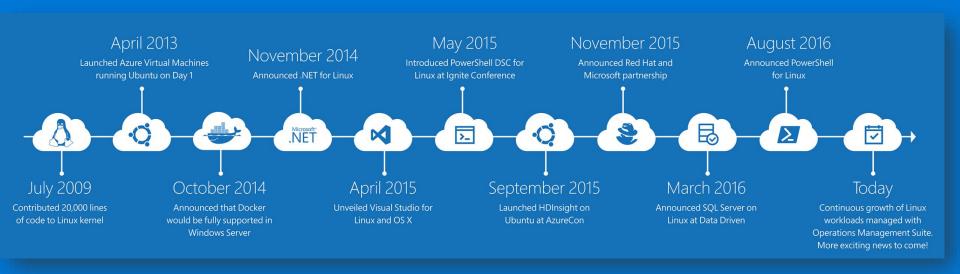




Microsoft journey to Open Source



It's been a journey...





The Market is Embracing Our Transformation

"I know way too many Linux users who think of Microsoft as 'The Evil Empire.' People, that was yesterday. Get over it...Look at Microsoft in 2016 and you'll see a company which offers the open-source Hadoop big data software on Ubuntu and whose CEO proclaims that Microsoft loves Linux."

Steven J. Vaughan-Nichols



"[The Red Hat partnership is] a testament to Microsoft's ability to rise above product competitiveness and be open, especially when it comes to Azure."

Eli Khnaser, Gartner COMPUTERWORLD

"Seeing the words 'Microsoft' and 'Linux' together in a single sentence may still come as a shock to a few people, but Microsoft says more than 60 percent of images in the Azure Marketplace are now Linux-based."

Frederic Lardinois



"The new Microsoft has taken bold new steps and has been on a path to partner with its fiercest rivals of past years. Strategically, this is what is required to be a player at scale in the cloud platform wars."

Al Hilwa, IDC



"The new Microsoft Certified Solutions Associate Linux on Azure certification <...> It's something of a surprising move, considering that Azure didn't even support Linux virtual machines four years ago, but meshes with Microsoft's current strategy of embracing open source technologies."

Blair Hanley Frank



"Even Microsoft, long viewed as the enemy of open-source development, has focused on making its Azure cloud computing platform a hospitable place for open-source software, including different flavors of the Linux operating system."

Barb Darrow

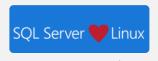
FORTUNE





Investments are Fueling the Momentum

Our Products







HD Insight managed service on Linux



Acquisition

Windows Subsystem for Linux

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

Run Linux on Windows natively

Our Offerings

Azure Marketplace



1 out of 3

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

1 out of 3 VMs on Azure run Linux, and more than half of all new VMs run Linux

Our Partnerships





Partnership



Microsoft joins **Eclipse Foundation**



🤪 Jenkins

Jenkins project on Azure



Partnership with the Linux Foundation for Linux on Azure certification

Our Employees



Ross Gardler President Apache SW Foundation

600 Million+

Microsoft Open Source Hub

Lines of open source code submitted to GitHub by Microsoft engineers

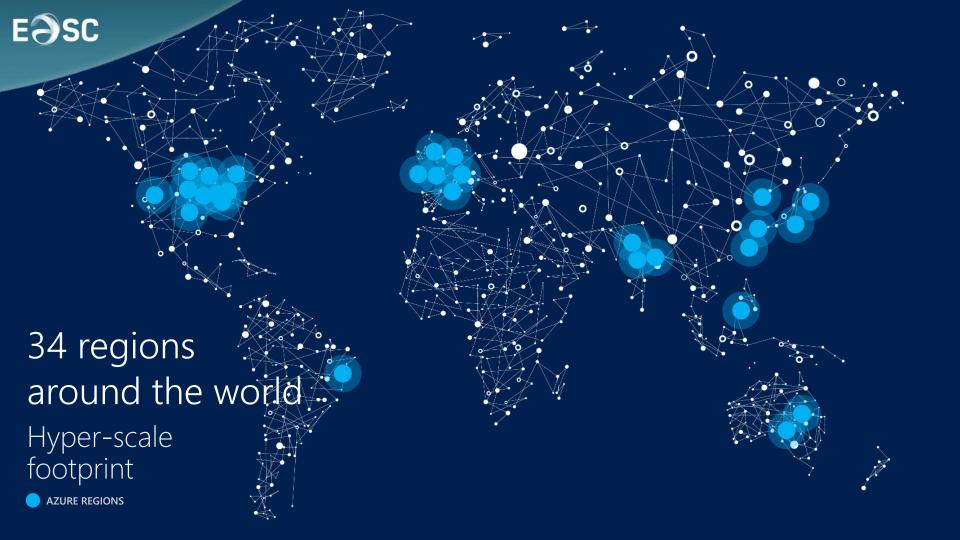


Microsoft, org with the most OS contributors



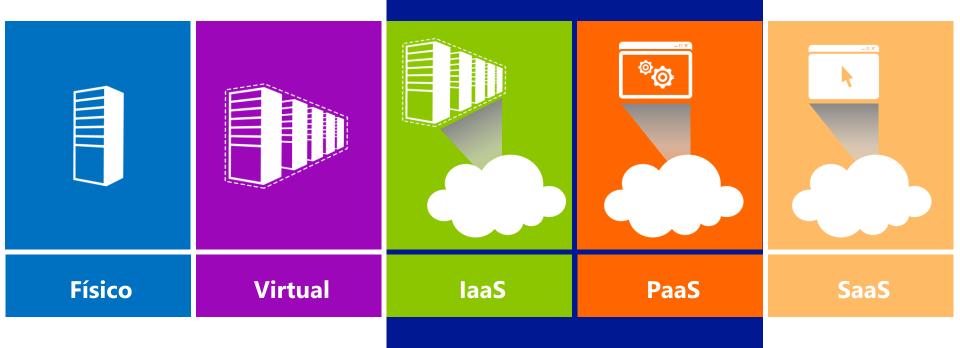


What is Azure?









Platform Services























Services Compute

Integration

Media & CDN







Pub/Sub Queuing

Web and Mobile















Developer Services







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Software Lifecycle Management



Data



Distributed In-Memory Cache



Analytics & IoT

IoT Device Mobile Analytics







Privileged Identity Management

Directory Health Monitoring

Hybrid **Operations**



Domain Join & Policy Management



Server Data Backup



Operational Analytics



Bulk Data Import And Export





Hybrid/Intelligent Data Backup

Infrastructure Services

OS/Server Compute



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Data
Pipelines

Device Data
Collection



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Networking



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HTTP Load

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Datacenter Infrastructure (34 Regions, more than any other cloud provider)

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Our approach to open source in the cloud



Enable

An open and flexible platform that meets you where you are and adds value to your existing investments















Integrate

Embracing leading ecosystems, increase agility and offer consistent open source offerings













Release

Support a strong ecosystem to achieve more through Microsoft's own portfolio investments

R Server .NET Core Roslyn TypeScript F# PowerShell autorest PowerBI Visuals Office UI Fabric MSR projects



Contribute

Extend the community and reach to more people, and partner for first-class experiences











Open Source Partners & Ecosystem



Azure is an open cloud

DevOps





















Management



















Applications



















App Frameworks & Tools















Databases & Middleware







































Azure Open Source App Platform

Stakeholders

Developers

Operations

DBAs and data scientists

Business

































PowerBl

Virtual Machines

Stateful and stateless one-off solutions

VM Scale Sets

Scalable solutions

Container Service

Scalable, orchestrated Docker images deployed into containers

Batch

Custom High Performance Computing solutions

Open Source PaaS

Cloud Foundry, OpenShift

Service Fabric

Custom Microservicebased stateless and stateful solutions

Environment

All the goodness of App Service in a dedicated environment

App Service

Web,

Mobile &

API Template

based rapid

development

web, mobile

and API

solutions

Orchestrated workflow based integration solutions

Functions

Serverless event driven experience

Build on the infrastructure

Lift-and-shift + net new on Linux

Docker

Build on the platform

Cloud-born

LOB

















Microsoft Azure



Azure Open Source Data Platform

Stakeholders

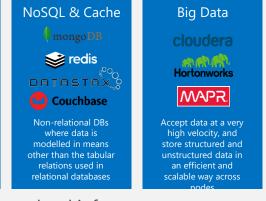


Operations

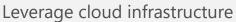
Developers

Business









Dev/Test, Production and Lift & Shift Docker, incl. via DC/OS



Azure SOL Database including revamped client driver support for PHP, Node.is, Java, Linux ODBC and more



NoSQL & Cache

Azure DocumentDB. including native MongoDB wire protocol support, and Redis Cache





Big Data

Azure HDInsiaht - full Hadoop solution available as a service on Windows and Linux



Build rapidly and connect to the platform

Cloud-born

LOB

























Azure Open Source Container Portfolio

Developer & Data Agility with Containers in the Cloud

Developers Operations Data scientists











































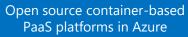




Docker VM Extension for Azure

Easy and programmatic way to add Docker capabilities to your VMs





Container-ready application platforms that benefit from Azure's native partitioning, capacity management and high availability







Azure Container Service

Optimized container hosting in the cloud with familiar tooling and your choice of orchestrator



Azure Marketplace container partners

Partner solutions that address management challenges of containers







Microsoft Azure

















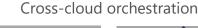
















THREE REASONS INVESTORS LIKE MICROSOFT RIGHT NOW

1. IT'S AN OPEN COMPANY.

With Nadella at the helm, Microsoft is more willing to work with the rest of the technology industry than in years past. That keeps it from being an old-guard "stack" vendor and makes it a major player in the broader tech ecosystem.

2. IT'S ALL IN ON THE CLOUD.

Cloud computing is considered a massive growth opportunity for the entire tech industry. Thanks to savvy prior investments in infrastructure and services, Microsoft has the global scale and know-how to win big.

3. IT'S GOT A HYBRID STRATEGY.

"Hybrid cloud," that is. Most companies won't want to put all of their data in the public cloud. Most won't want to store it all privately, either. Microsoft is well-positioned with assets that serve clients in both places.



- Andrew Nusca,



Thank You!