



RED HAT
FORUM
Europe, Middle East & Africa



Empowering Customers with Microsoft & Red Hat

The world has changed


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Red Hat Forum Nordics 2017



An aerial, black and white photograph of the Hong Kong skyline. The image shows a dense cluster of skyscrapers and buildings along the coast, with a large body of water in the foreground. The sky is filled with dramatic, dark, swirling clouds that create a sense of movement and tension. The text "THE WORLD HAS CHANGED" is overlaid in the center in a bold, red, sans-serif font.

THE WORLD HAS CHANGED

Microsoft  Linux

Agenda

Why are we here?

- Microsoft's approach to open source in the cloud

Open, Hybrid & DevOps

- Azure Stack is coming to you

State of the partnership

- Partnership milestones
- What's in it for you

Open Source Powers Digital Transformation



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FOR CIO PROFESSIONALS

Open Source Powers Enterprise Digital Transformation

CIOs Need To Embrace Open Source Software To Drive Change

April 25, 2016

Why Read This Report

Open source is not just of interest to researchers, startups, or small businesses. The modern enterprise embraces open source capabilities to accelerate its digital transformation efforts, and open source components increasingly underpin today's major technology markets. CIOs must consider open source technologies as part of their broader business technology strategy. This report addresses the evolution of open source and highlights its importance to enterprise strategy moving forward.

Forrester: “open source will lie **at the heart** of the applications upon which you and your customers depend” thus failure to address this will “put you and your org at a **significant disadvantage** in the coming years”

By virtue of its ability to (1) lower lock-in, (2) increase agility and (3) drive change, **open source is deemed a critical part of our customers’ digital transformation**, – no longer about costs!

Kicks off a cultural transformation

Modernizes talent: including acquisition

Reduces lock-in: altering vendor power dynamics

“**Failure to fully consider open source options is unwise**” and “*within a few short years, it will be unforgivably negligent*”

Microsoft + Open Source

“Azure Container Service is different and offers the broadest hint yet that Microsoft wants to build real products with open source, not merely leverage it where it's convenient”

InfoWorld Serdar Yegulalp

Microsoft: the Open Source Company

“This is not your dad's Microsoft”

ZDNet Steven J. Vaughan-Nichols

Redmond top man
Satya Nadella:
'Microsoft LOVES
Linux'



The Register

Neil McAllister



Source: [Tweet](#) by John Papa (Google Developer Expert, Microsoft Regional Director and MVP)

Dead and buried:
Microsoft's holy war on
open-source software

“Years ago, Microsoft's CEO described open source as a cancer. Times have changed. Just ask 22-year Redmond veteran and open-source proponent Mark Hill.”



Charles Cooper

The Microsoft Open Approach

For your journey to the cloud

Empowering Customers



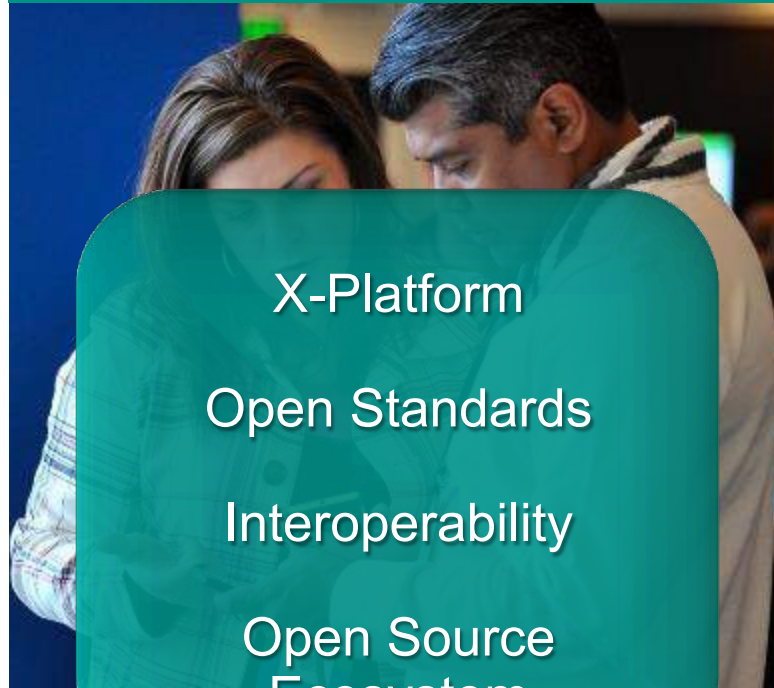
Freedom to Choose

Freedom to Change

Optimal Value

Vibrant Local
IT Economy

By Enabling Choice



X-Platform

Open Standards

Interoperability

Open Source
Ecosystem
Engagement

To Provide a Trusted Cloud



Secure

Privacy & Control

Compliance

Transparent

Our approach to open source in the cloud



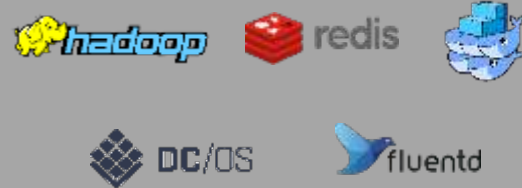
Enable

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

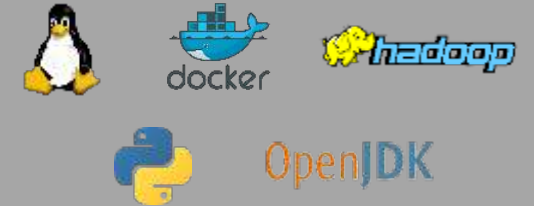
R Server
.NET Core
Roslyn
TypeScript
F#

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 ECOSYSTEM



Open Source Hub

Open Source Resources for MS Engineers

Intranet site that tracks contributions by Microsoft engineers to open source projects on GitHub:

Repositories (product/project code base)

Contributors

Lines of code submitted today, life to date

Details available per repository

Take a look:

<https://opensourcehub.microsoft.com/>



The screenshot shows the Open Source Hub interface for user Mark Hill. At the top, there's a navigation bar with 'Microsoft', 'Open Source Hub', and 'Open Source Development Resources for Microsoft Engineers'. A user profile for Mark Hill is visible, along with a notification to 'Find out what's New and Noteworthy in OSS engineering at Microsoft'. Below this is a blue banner with a message about linking a GitHub account to Microsoft ALIAS, and four buttons: 'Create GitHub Account', 'Link account', 'Not now', and 'Don't show this again'. The main content area is titled 'All Repos' and features five circular statistics: 2445 repos, 9025 contributors, 377968 forks, 201841 stars, and 87991 watchers. Below these is a table titled 'Pull requests, issues and code' with two columns of metrics.

Pull requests, issues and code			
Pull requests	96418	Lines committed today	1129
Pull requests applied	74059	Commits made per day	1598
Pull requests NOT applied	19431	Open issues	27618
Average days to close pull request	37	Closed issues	72189
Average days taken for first response to pull requests	2	Average days taken to close issues	106
Pull requests opened per day	166	Average days taken for first response to open issues	52
Pull requests applied per day	129	Issues opened per day	162
Lines committed	597194008	Issues closed per day	119

Azure is an open cloud



42 Azure regions



Azure covers 62 compliance offerings

Azure has the deepest and most comprehensive compliance coverage in the industry

Global	<input checked="" type="checkbox"/> ISO 27001:2013 <input checked="" type="checkbox"/> ISO 27017:2015 <input checked="" type="checkbox"/> ISO 27018:2014	<input checked="" type="checkbox"/> ISO 22301:2012 <input checked="" type="checkbox"/> ISO 9001:2015 <input checked="" type="checkbox"/> ISO 20000-1:2011	<input checked="" type="checkbox"/> SOC 1 Type 2 <input checked="" type="checkbox"/> SOC 2 Type 2 <input checked="" type="checkbox"/> SOC 3	<input checked="" type="checkbox"/> CSA STAR Certification <input checked="" type="checkbox"/> CSA STAR Attestation <input checked="" type="checkbox"/> CSA STAR Self-Assessment
US Gov	<input checked="" type="checkbox"/> FedRAMP High <input checked="" type="checkbox"/> FedRAMP Moderate	<input checked="" type="checkbox"/> DoD DISA SRG Level 5 <input checked="" type="checkbox"/> DoD DISA SRG Level 4 <input checked="" type="checkbox"/> DoD DISA SRG Level 2 <input checked="" type="checkbox"/> DFARS	<input checked="" type="checkbox"/> DoE 10 CFR Part 810 <input checked="" type="checkbox"/> NIST SP 800-171 <input checked="" type="checkbox"/> FIPS 140-2 <input checked="" type="checkbox"/> Section 508 VPATs	<input checked="" type="checkbox"/> NIST CSF <input checked="" type="checkbox"/> ITAR <input checked="" type="checkbox"/> CJIS <input checked="" type="checkbox"/> IRS 1075
Industry	<input checked="" type="checkbox"/> PCI DSS Level 1 <input checked="" type="checkbox"/> GLBA <input checked="" type="checkbox"/> FFIEC <input checked="" type="checkbox"/> Shared Assessments <input checked="" type="checkbox"/> FISC (Japan)	<input checked="" type="checkbox"/> HIPAA BAA <input checked="" type="checkbox"/> HITRUST <input checked="" type="checkbox"/> 21 CFR Part 11 (GxP) <input checked="" type="checkbox"/> MARS-E	<input checked="" type="checkbox"/> IG Toolkit (UK) <input checked="" type="checkbox"/> NEN 7510:2011 (Netherlands) <input checked="" type="checkbox"/> FERPA	<input checked="" type="checkbox"/> CDSA <input checked="" type="checkbox"/> MPAA <input checked="" type="checkbox"/> FACT (UK)
Regional	<input checked="" type="checkbox"/> Argentina PDPA <input checked="" type="checkbox"/> Australia CCSL / IRAP <input checked="" type="checkbox"/> Canada Privacy Laws <input checked="" type="checkbox"/> China GB 18030:2005 <input checked="" type="checkbox"/> China DJCP (MLPS) Level 3	<input checked="" type="checkbox"/> China TRUCS / CCCPPF <input checked="" type="checkbox"/> EU ENISA IAF <input checked="" type="checkbox"/> EU Model Clauses <input checked="" type="checkbox"/> EU – US Privacy Shield <input checked="" type="checkbox"/> Germany C5 <input checked="" type="checkbox"/> Germany IT-Grundschutz workbook	<input checked="" type="checkbox"/> India MeitY <input checked="" type="checkbox"/> Japan CS Mark Gold <input checked="" type="checkbox"/> Japan My Number Act <input checked="" type="checkbox"/> Netherlands BIR 2012 <input checked="" type="checkbox"/> New Zealand Gov CIO Fwk	<input checked="" type="checkbox"/> Singapore MTCS Level 3 <input checked="" type="checkbox"/> Spain ENS <input checked="" type="checkbox"/> Spain DPA <input checked="" type="checkbox"/> UK G-Cloud <input checked="" type="checkbox"/> UK Cyber Essentials Plus

Why Azure? Why Open Source? Why both?

What do customers want?



Digital transformation

Choice and flexibility

Leverage existing investments,
skills, and assets

Why important for Microsoft?



Become Trusted Advisors for
Customers

Make our customers the disruptors

Winners I race for digitalization

Stay in the Datacenter or Move to the Cloud



- Agility
- Choice
- Innovation
- Cost
- Security
- Regulations



Hybrid Cloud Platform



Microsoft Azure Stack

The power of Azure in your datacenter

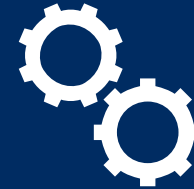
Azure Stack promise



Consistent
application development

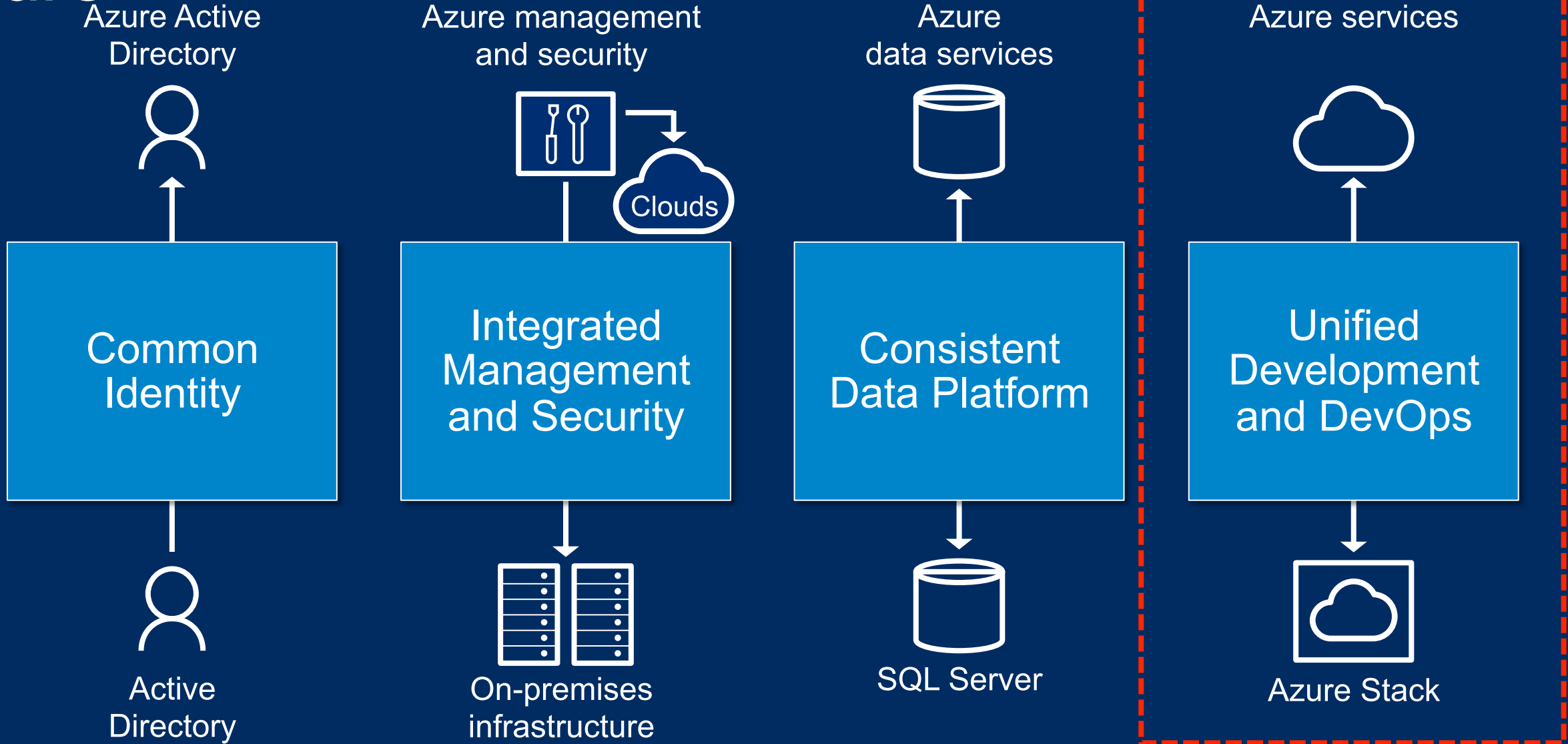


Azure services
available on-premises



Integrated
delivery experience

Truly Consistent Hybrid Cloud with Microsoft Azure



Microsoft Azure + Red Hat: Customer focused partnership

- Linux and Windows
- Java (& OSS tools) and .Net
- Containers and traditional
- On-premise and Containers



PARTNERSHIP MILESTONES



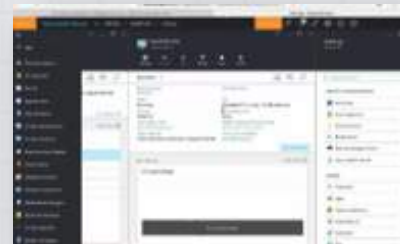
Nov 15
Announced our enterprise-grade partnership in the cloud

RED HAT® CLOUDFORMS

Dec 15
Enabled Cloud Access, Cloud Forms for Azure



Feb 16
On-Demand RHEL on Azure Marketplace



Feb 16
Integrated support UX in portal through customer portal SSO

Jun 16
SQL Server on Linux Private Preview
.NET Core on RHEL
Azure: best supported cloud provider in Cloud Forms
Easy OpenShift deployment in Azure



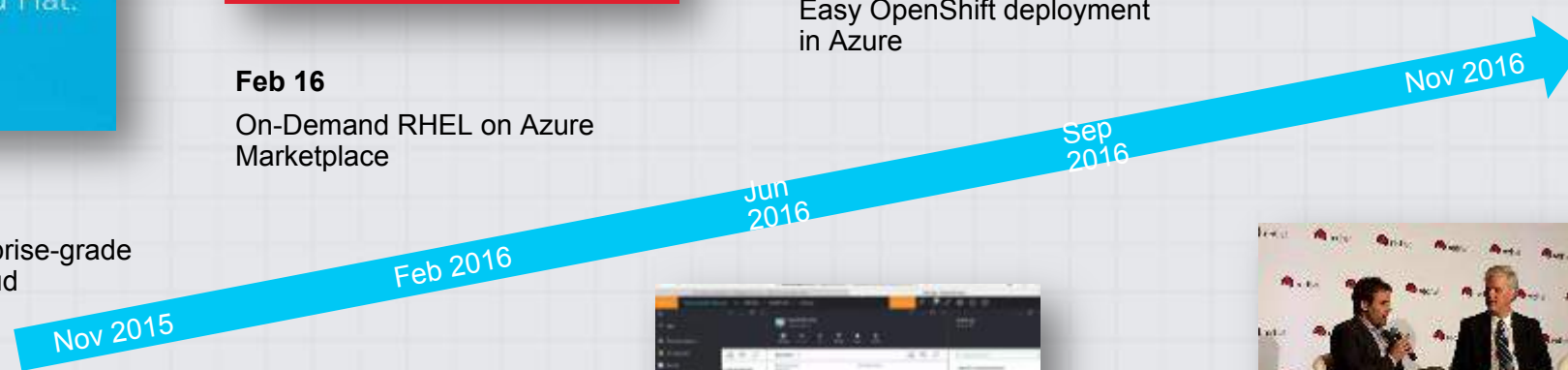
July 2016
Red Hat Summit Keynote
Cloud Access Gov't



Nov 2016
RHEL PAYG Germany



Sept 2016
RHEL SAP HANA
Cloud Access Germany
RHEL PAYG Gov't
RHEL on Azure Stack
New Azure RHUI



Open & flexible

Adding value to your existing investments, whether your apps or ISV apps



Enterprise-grade cloud partners



Choice

Choose your fabric, OS, platform, app, stack, data source, tool and environment

OpenShift in Azure

Easy deployment

- Reference architecture and Azure solution template
- Available on GitHub

Learn more:

aka.ms/msandredhat



Microsoft Azure

Highlights announcement 22 August

- OpenShift dedicated on Azure
- Microsoft SQL Server on RHEL & OpenShift
- Windows Server Containers on OpenShift
- .Net Core 2.0 supported in OpenShift
- RHEL on Azure Stack
- All this with the same joint support model as with RHEL on Azure

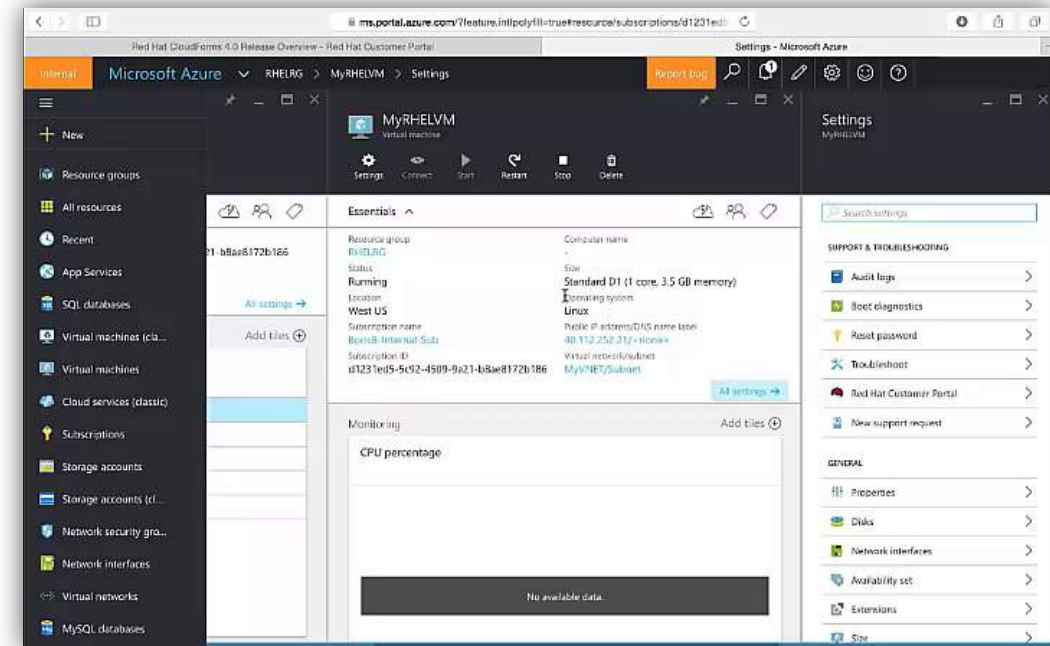


Red Hat + Microsoft: Integrated Support

Red Hat and Microsoft have created an **industry-changing integrated support** model for customers using Red Hat solutions in Azure. We are working side-by-side to solve common problems and to provide the **enterprise-grade** support that customers rely on in their datacenters.

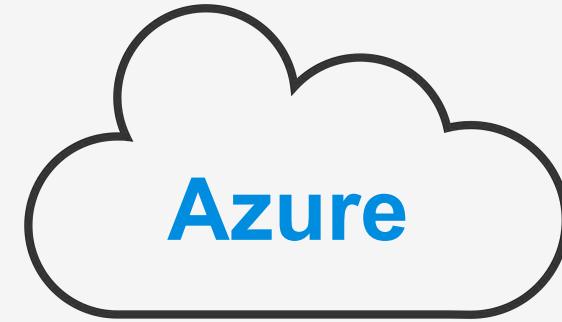
Highlights:

- Red Hat participation in Azure forums
- Red Hat & Microsoft security response team collaboration
- Support staff from Red Hat & Microsoft co-located @Redmond
- Integrated ticketing systems
- Red Hat Technical Account Management & Microsoft Premier Services



Key takeaways

- 1 The cloud is where open enterprise innovation is happening
- 2 Microsoft Azure offers the security, manageability and support you've come to expect from Red Hat solutions
- 3 Microsoft and Red Hat have a unique partnership that includes joint portfolio and engineering, global reach and integrated, co-located support



Agility

Secure



Manageable



Supported



More Resources

Visit

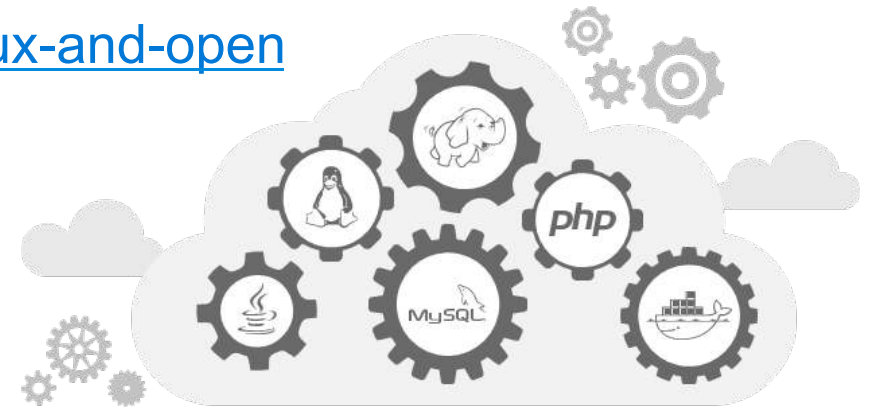
- Microsoft Open Source Website: <http://www.microsoft.com/opensource>
- Microsoft Open Source Blog: <http://openness.microsoft.com/blog>
- Red Hat on Azure: <https://azure.com/redhat>
- Twitter: <https://twitter.com/OpenAtMicrosoft>

Try

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- Try Open Source on Azure:
<https://azure.microsoft.com/en-us/services/virtual-machines/linux-and-open>

Contact Us

- Email us at opensource@microsoft.com



See how customers are using Open Source + Microsoft Azure: <http://customers.microsoft.com>

[https://azure.com/
redhat](https://azure.com/redhat)



johan.sollbe@microsoft.com
#Microsoft #Azure #Opensource
#ThankYou



RED HAT
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We're Reimagining Microsoft

Our Mission



Our Strategy

Build the best-in-class platforms and productivity services for the mobile-first, cloud-first world

Our Ambitions



Reinvent productivity & business processes



Build the intelligent cloud platform



Create more personal computing