



RED HAT
FORUM
Europe, Middle East & Africa



OPEN SOURCE IN AZURE

HOW THE WORLD HAS CHANGED

TONI WILLBERG

Cloud Solution Architect, Microsoft

Red Hat Forum Finland 2017-09-05



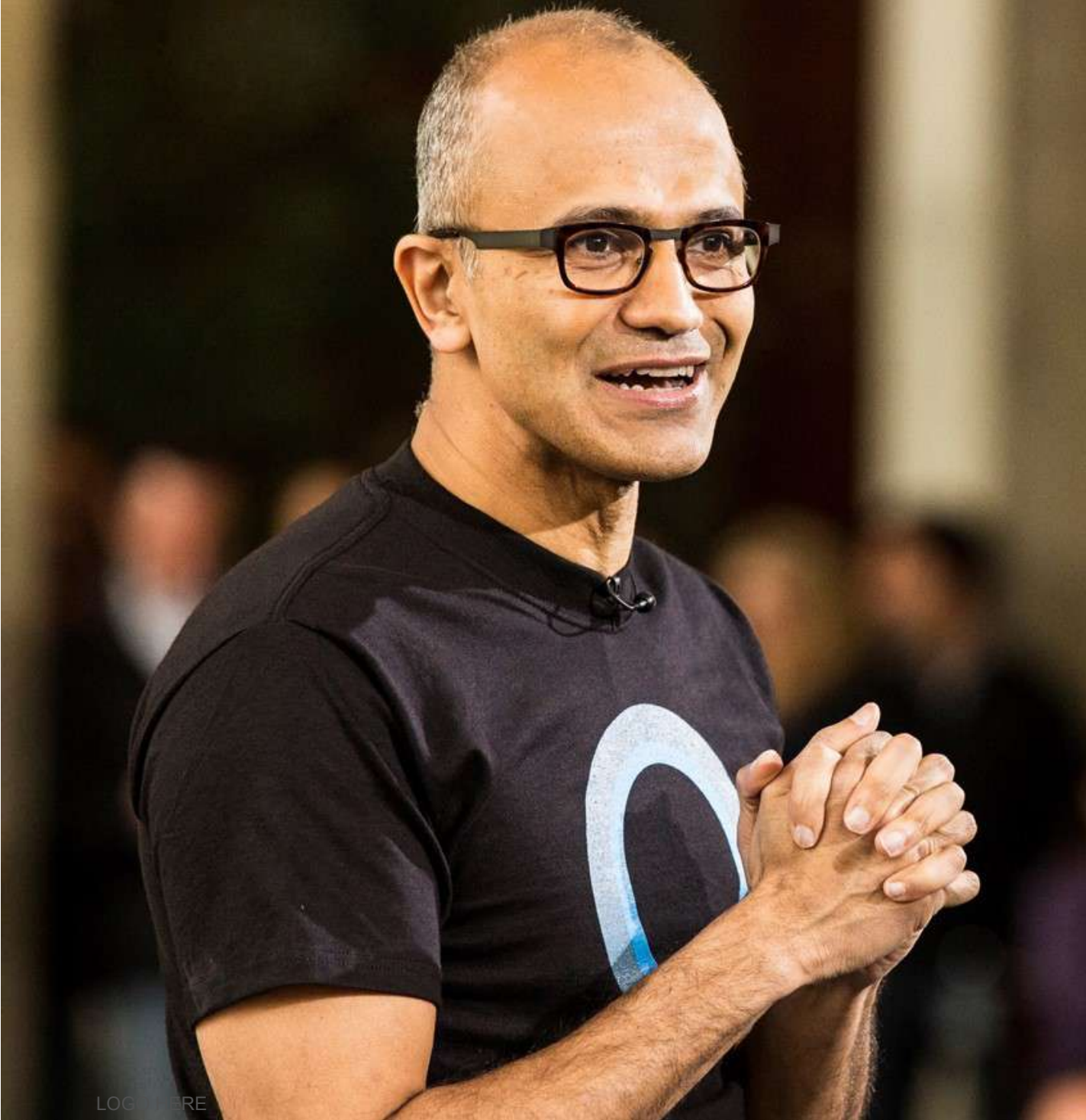
Microsoft

Agenda

- Microsoft + Open Source
- What's in Azure for you?
- Red Hat + Microsoft support services
- Your Datacenter
- Developer tools
- Partner ecosystem

DEAR FUTURE
I'M READY...

Microsoft + Open Source



“It's not just about technology. It goes far beyond that. It is even the approach we take to our business.

It is how we partner, how we create the flexibility that speaks to the real world needs of our customers...”

**– Satya Nadella
[CEO, MICROSOFT – IGNITE
2015]**

Microsoft  Linux

Open source culture at Microsoft

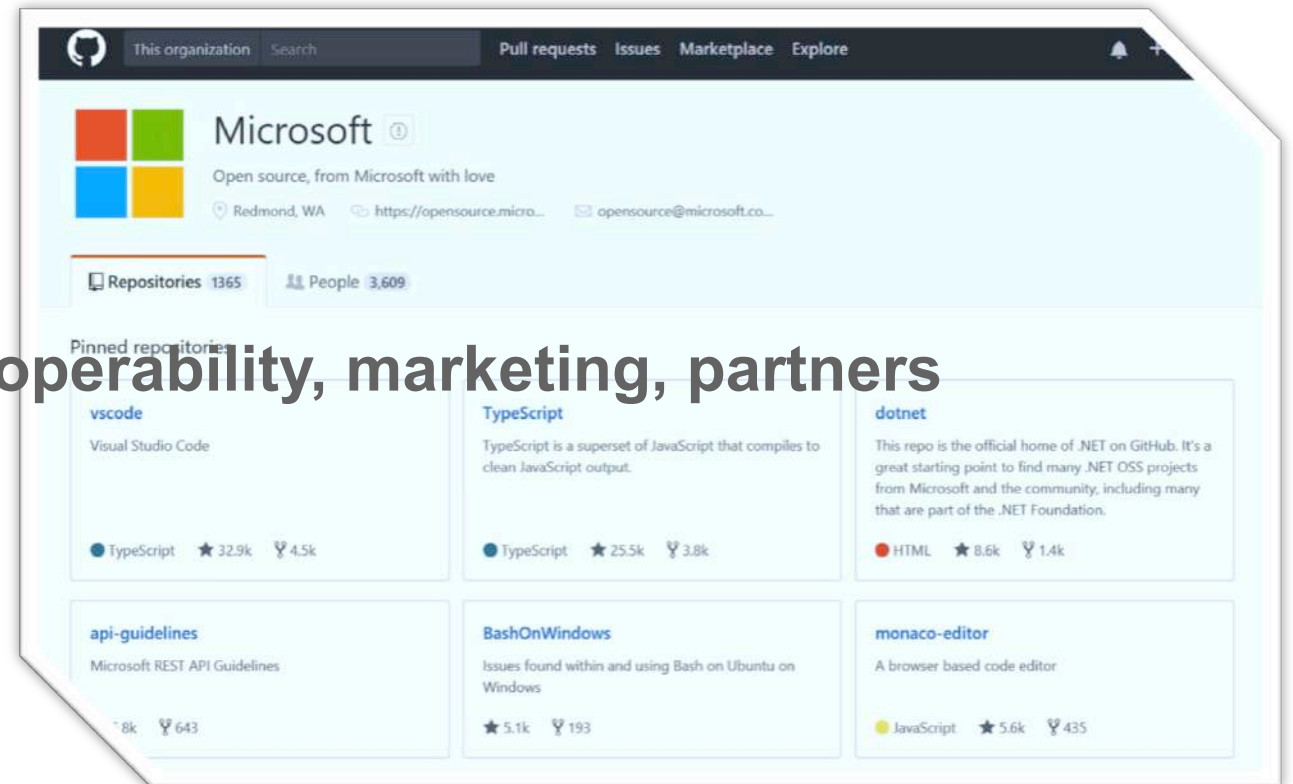
Microsoft contributions and source releases

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

<https://github.com/microsoft>

Open Source, standards, people, interoperability, marketing, partners

<https://open.microsoft.com>



What's in Azure for
you?

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

Short learning curve

Tools you are familiar with:

- Bash on Azure CLI and Cloud Shell

Products you use already:

- RHEL, JBoss, OpenShift, ...

Hot topics:

- DevOps, BI, AI, Big Data, Data Warehouse, SAP, Backup, Archive, DR, HPC, IOT,
...

Red Hat product collaboration

Microsoft products on Red Hat technology

- Microsoft SQL Server on RHEL and OpenShift
- .NET across Red Hat offerings
- Windows Server containers on OpenShift

Red Hat products on Azure

- RHEL, Gluster, OpenShift, JBoss middleware on Azure
- OpenShift Dedicated on Azure (coming early 2018)
- CloudForms
- RHEL for SAP HANA



How to buy Red Hat products on Azure?

Microsoft channels

- Azure Marketplace
- Microsoft Azure CSP partners

Red Hat channels

- Red Hat Cloud Access = Bring Your Own Subscription
- Red Hat CCSP partners

Build and run open source solutions

Applications



DevOps



Frameworks



Databases & middleware



Containers



Infrastructure



Integrated support

Integrated

Support channels

- Azure portal
- Red Hat Customer Portal
- SSO access between portals

Co-located team

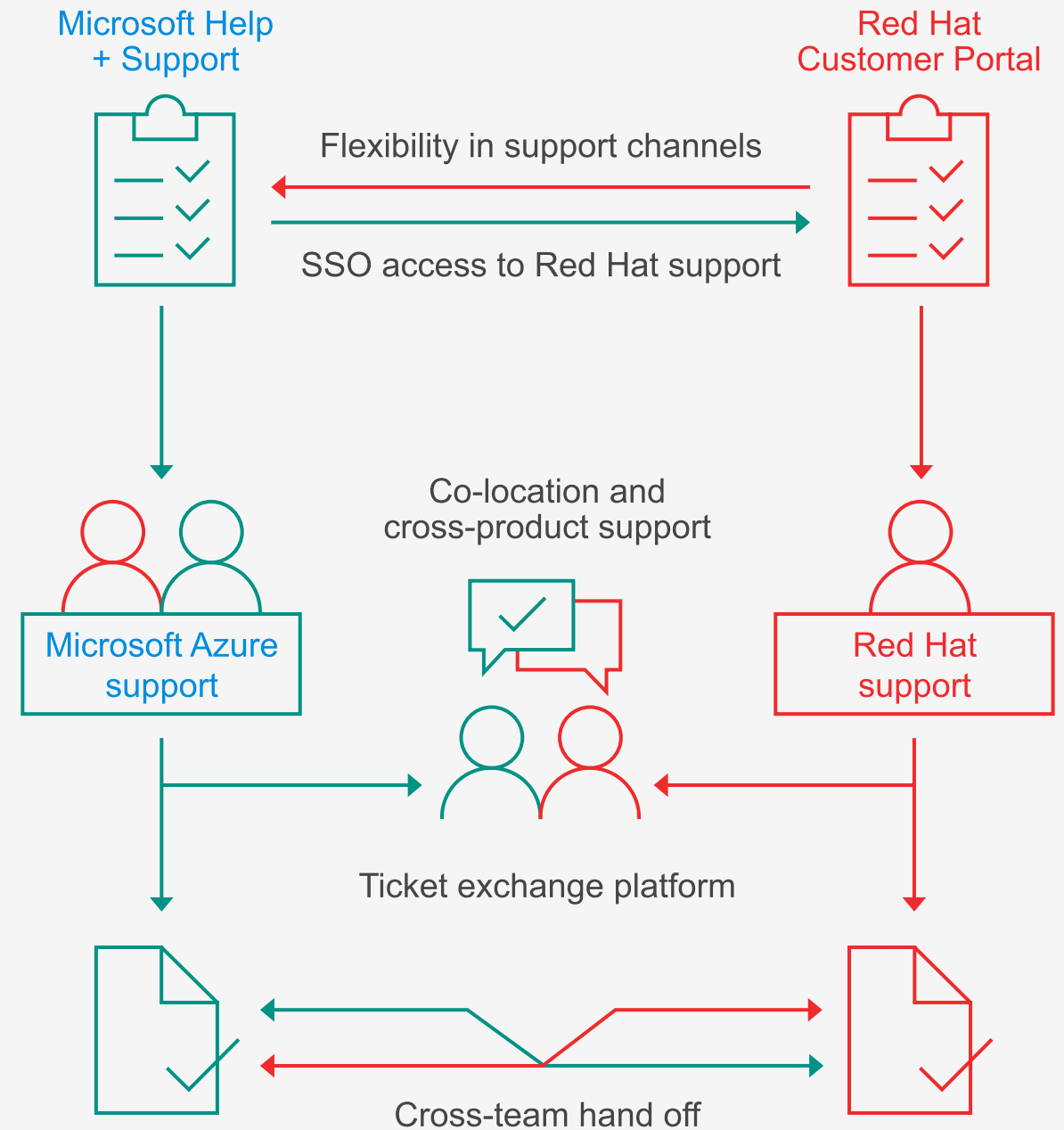
- Red Hat technical support engineers located at Microsoft site in Redmond
- Common Ticket Exchange Platform

Secure

- ISO 27001 compliant secure B2B communication channel

24x7

- Available for Red Hat Cloud Access (Bring-Your-Own-Subscription) and Microsoft on-demand (Pay-As-You-Go) deployments



Hybrid cloud

Hybrid cloud management

Manage your on-premise and public cloud services

- Windows and Linux workloads
- Management tools interoperability

Red Hat tools

- CloudForms, Satellite, Ansible

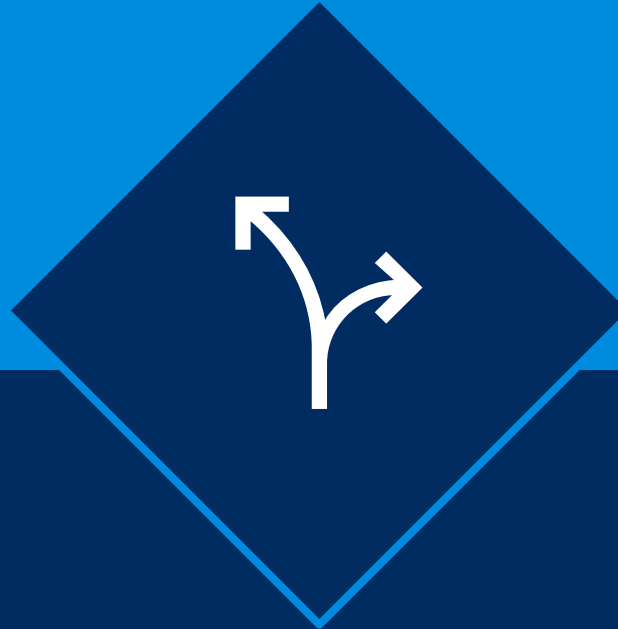
Microsoft tools

- Operations Management Suite (OMS)
- Azure Intelligence & Analytics
- Azure Security + Identity services

What is Azure Stack?



Consistent
application development

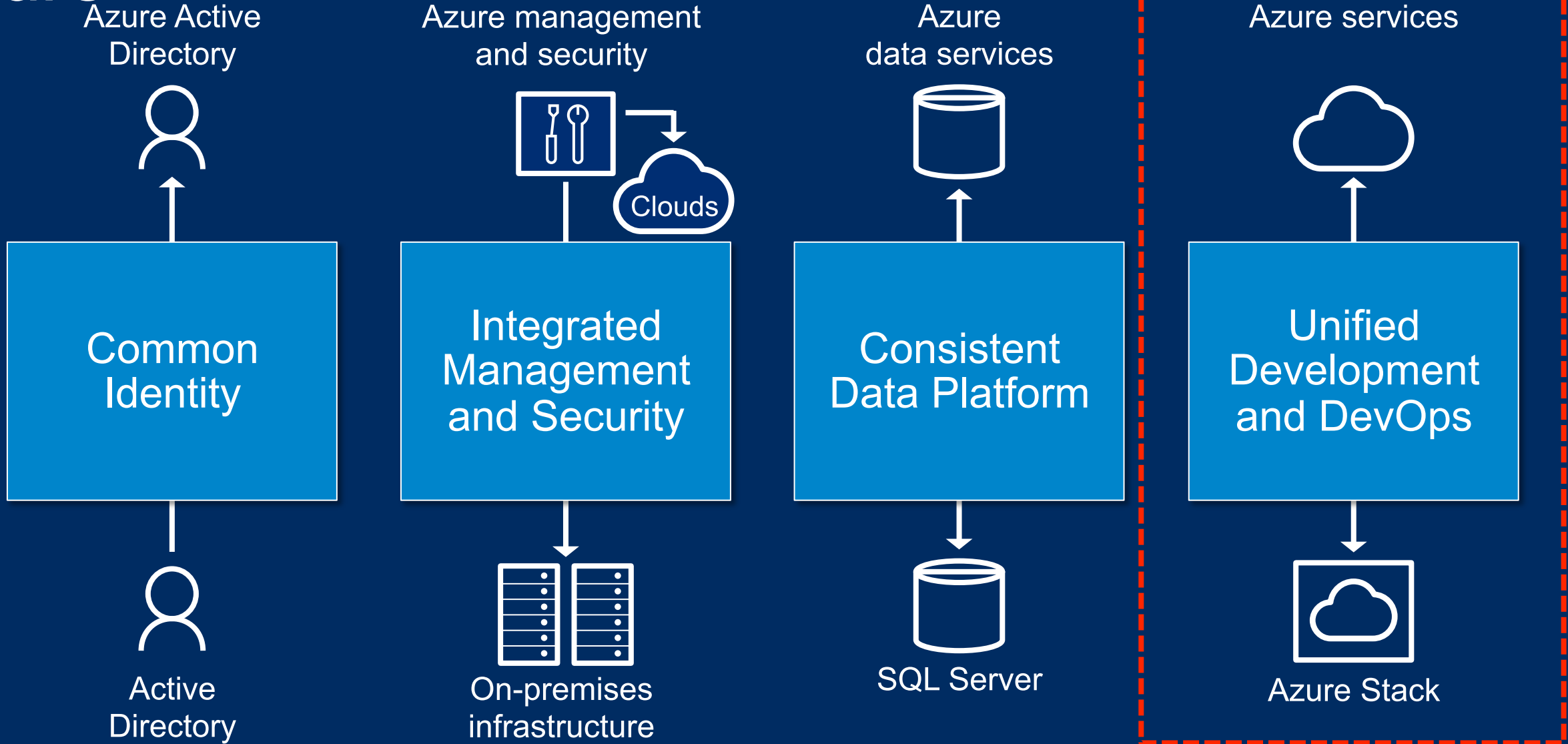


Azure services
available on-premises



Integrated
delivery experience

Truly Consistent Hybrid Cloud with Microsoft Azure



Developer tools

Developer tools

Windows Subsystem for Linux

- Run Linux binaries on Windows laptop

Hyper-V

- Create your own RHEL golden images, export to Azure

VSCode

- Free cross-platform Visual Studio IDE for Linux, MacOS, Windows

Azure CLI

- Command line tools for Linux, MacOS, Windows

Azure Cloud Shell

- Browser-based Linux shell

Partner ecosystem

Common partner ecosystem

Hosting and managed cloud services

- Microsoft Azure CSP and Red Hat CCSP partners

Systems Integrator services

- Local, regional and global consulting partners

Resellers and distributors

- Local and regional channel partners

Training

- Common training partners



Where to go next?

Test OpenShift on Azure – For free!



The image shows a screenshot of the Microsoft Azure website. At the top left is the "Microsoft Azure" logo. On the top right, there are links for "SALES 0800 098 8435" with a dropdown arrow, "MY ACCOUNT", and "PORTAL". Below the logo is a navigation menu with links for "Why Azure", "Solutions", "Products", "Documentation", "Pricing", "Training", "Marketplace", "Partners", "Blog", "Resources", and "Support". The main content area features a dark background with a blurred image of people working at computers. The text reads: "Red Hat solutions on Azure", "Accelerate your innovation and digital transformation", and "Quickly deploy a secure, reliable, flexible hybrid cloud environment with Red Hat solutions on Azure—the right open source architecture on the cloud trusted by 90 percent of Fortune 500 companies." At the bottom of this section is a bright green button with the text "Test drive Red Hat OpenShift on Azure" and a right-pointing chevron.

Microsoft Azure

SALES 0800 098 8435 ▼ MY ACCOUNT PORTAL

Why Azure Solutions Products Documentation Pricing Training Marketplace Partners Blog Resources Support

Red Hat solutions on Azure

Accelerate your innovation and digital transformation

Quickly deploy a secure, reliable, flexible hybrid cloud environment with Red Hat solutions on Azure—the right open source architecture on the cloud trusted by 90 percent of Fortune 500 companies.

Test drive Red Hat OpenShift on Azure >

Microsoft Azure-koulutusta tarjolla veloituksetta!

Täältä löydät kaikki tarjolla olevat verkkokoulutusresurssit.



Kolme syytä kouluttautua sertifioituksi Azure-osaajaksi



Sertifikaatti auttaa erottumaan työhaussa ja työllistymään nopeammin. Joissain tapauksissa sertifikaatti on auttanut johtoa täyttämään avoimen paikan 25 % lyhyemmässä ajassa.



Kollegoihinsa verrattuna Microsoft-sertifioidut ohjelmistokehittäjät ovat 90 % tuotteliaampia ja lähes 60 % tehokkaampia.



Microsoft-sertifioiduilla teknologiaosaajilla on keskimäärin 15 % korkeampi palkka verrattuna muihin vastaavien positioiden osaajiin.

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



@ToniWillberg
#Microsoft #Azure #Opensource
#ThankYou



RED HAT
FORUM
Europe, Middle East & Africa