OpenShift on Azure

Giulio Santoli – Cloud Solution Architect
Agenda

01. Red Hat + Microsoft – “Stronger together”
02. OpenShift on Azure – A Dynamic Deployment
01. Red Hat + Microsoft
Stronger together
01. **Red Hat + Microsoft**

Stronger together

- **Freedom**
- **Development**
- **Management**
- **Support**
01. Red Hat + Microsoft

Stronger together

Freedom

54 regions worldwide
140 available in 140 countries
01. Red Hat + Microsoft
Stronger together

Freedom

Microsoft

#RedHatOSD
Red Hat + Microsoft
Stronger together
01. Red Hat + Microsoft
Stronger together

Consistent Storage Across Hybrid Cloud

RED HAT OPENSSHIFT CONTAINER STORAGE

BARE METAL  VIRTUAL  PRIVATE CLOUD  PUBLIC CLOUD

AZURE STACK  AZURE

54 regions worldwide  140 regions available in 140 countries

Freedom
01. Red Hat + Microsoft
Stronger together
01. **Red Hat + Microsoft**

Stronger together

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**Development**

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**SQL Server Red Hat Container** Tech Preview

*by Microsoft Corp.*

*in Product SQL Server*

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#RedHatOSD
01. Red Hat + Microsoft

Stronger together

Red Hat and Microsoft co-develop the first Red Hat OpenShift jointly managed service on a public cloud.

May 8, 2018 | Microsoft News Center

Microsoft and Red Hat expand partnership around hybrid cloud, container management and developer productivity.
01. Red Hat + Microsoft
Stronger together

Management

Microsoft Azure
Create

- Name: OpenShiftAAD
- Application type: Web app / API
- Sign-on URL: https://masterdnswhrkn7iozqvo2.westeur...
01. Red Hat + Microsoft
Stronger together
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Stronger together
01. Red Hat + Microsoft
Stronger together
01. Red Hat + Microsoft

Stronger together

Support

Microsoft Help + Support

Flexibility in support channels

SSO access to Red Hat support

Red Hat Customer Portal

Microsoft Azure support

Co-location and cross-product support

Ticket exchange platform

Cross-team hand off

Red Hat support

#RedHatOSD
01. Red Hat + Microsoft
Stronger together
01. Red Hat + Microsoft
Stronger together

More customer stories @ customers.microsoft.com
01. Red Hat + Microsoft
Stronger together

“Azure and OpenShift automate a significant amount of work, which allows development teams to achieve consistent results every time”

Yuji Hirose
Head of Service Supervisory Unit,
Service Solutions Control Unit, and
ICT Business Supervisory Control Unit
Hitachi
02. OpenShift on Azure
Dynamic Deployment
Visibility
02. OpenShift on Azure
Dynamic Deployment
Agility
02. OpenShift on Azure
Dynamic Deployment

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Prices presented are estimates in your local currency that include only Azure infrastructure costs and any discounts for the subscription and location. The prices don’t include any applicable software costs. The virtual machine is currently running, changing its size will cause it to be restarted.
02. OpenShift on Azure
Dynamic Deployment
02. **OpenShift on Azure**

**Dynamic Deployment**

- **Stable Services**
  - Azure Database for MySQL
  - Azure Database for PostgreSQL
  - Azure SQL Database

- **Experimental Preview Services**
  - Azure CosmosDB
  - Azure Event Hubs
  - Azure Key Vault
  - Azure Redis Cache

#RedHatOSD
Control
02. OpenShift on Azure
Dynamic Deployment
CI/CD Integration
02. OpenShift on Azure
Dynamic Deployment

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[Diagram of Azure DevOps pipeline for OpenShift deployment]

Microsoft
#RedHatOSD
02. OpenShift on Azure
Dynamic Deployment
02. OpenShift on Azure
Dynamic Deployment

Microsoft + Open Source

- Microsoft on GitHub - /azure and /microsoft

Azure & Ansible:

- mssql-server role from https://github.com/Microsoft/sql-server-samples/tree/master/samples/features/high%20availability/Linux/Ansible%20Playbook

Helm & Openshift:

- Helm - https://helm.sh/
- Helm on OpenShift - https://blog.openshift.com/getting-started-helm-openshift/

Open Service Broker for Azure:

- Open Service Broker for Azure - https://osba.sh/
GRAZIE PER L’ATTENZIONE

Giulio Santoli – Cloud Solution Architect