OpenShift On Azure
Make your deployment Dynamic Again
Mario Caval desi
Cloud Solution Architect

#RedHatOSD
01. Red Hat + Microsoft - “Stronger together”
02. Openshift on Azure – A Dynamic Deployment
01. Red Hat + Microsoft

Stronger together

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01. Red Hat + Microsoft
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- **Freedom**
- **Development**
- **Management**
- **Support**
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Consistent Storage Across Hybrid Cloud

Red Hat OpenShift Container Storage

Bare Metal | Virtual | Private Cloud | Public Cloud

Red Hat Enterprise Linux | Azure Stack | Azure
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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
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Management

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Microsoft Help
+ Support

Flexibility in support channels

SSO access to Red Hat support

Co-location and cross-product support

Microsoft Azure support

Red Hat support

Ticket exchange platform

Cross-team hand off

Support

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More customer stories @ customers.microsoft.com
“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**

- Potentially insecure URL access detected (preview)
  - **When:** 4/20 2:00 AM - 4/21 1:59 AM
  - **What:** 29 URLs were accessed by both HTTP and HTTPS protocols
  - **Note:** 4536 users accessed multiple URLs using HTTP instead of HTTPS

- Degradation in Server response time for "GET Home/Index"
  - **When:** 4/20 2:00 AM - 4/21 1:59 AM
  - **What:** 6.09 sec Server response time vs 0.654 sec in the previous 7 days
  - **Note:** 242 users and 44.0% of all requests were affected

- Degradation in Server response time for "GET /Scripts/jquery-1.5.1.min.js"
  - **When:** 4/18 2:00 AM - 4/19 1:59 AM
  - **What:** 8.72 sec Server response time vs 18.2 ms in the previous 7 days
  - **Note:** 30 users and 3.1% of all requests were affected

- Degradation in Server response time for "GET /Scripts/knockout.mapping-latest.js"
  - **When:** 4/18 2:00 AM - 4/19 1:59 AM
  - **What:** 8.21 sec Server response time vs 17.9 ms in the previous 7 days

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Microsoft Azure

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Agility
## 02. Openshift on Azure Dynamic Deployment

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 to 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
CONTROL
02. Openshift on Azure Dynamic Deployment
CI/CD INTEGRATION
02. Openshift on Azure
Dynamic Deployment
02. Openshift on Azure
Dynamic Deployment

Microsoft + Open Source

Microsoft Open Source Page - https://open.microsoft.com/
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

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