Microsoft

redhat.

OpenShift on Azure

Giulio Santoli – Cloud Solution Architect

#RedHatOSD

Agenda

01. Red Hat + Microsoft – “Stronger together”

02. OpenShift on Azure – A Dynamic Deployment

01. Red Hat + Microsoft

Stronger together

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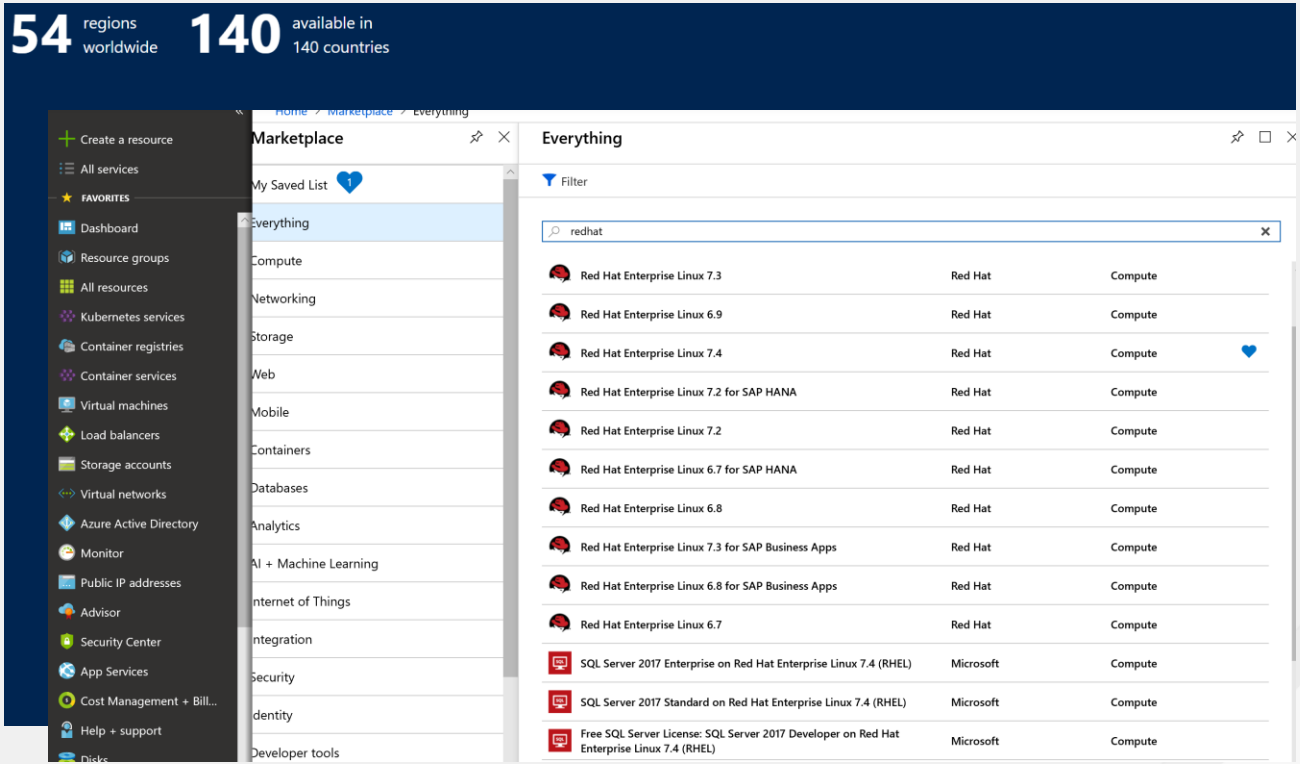
Stronger together

Freedom



01. Red Hat + Microsoft

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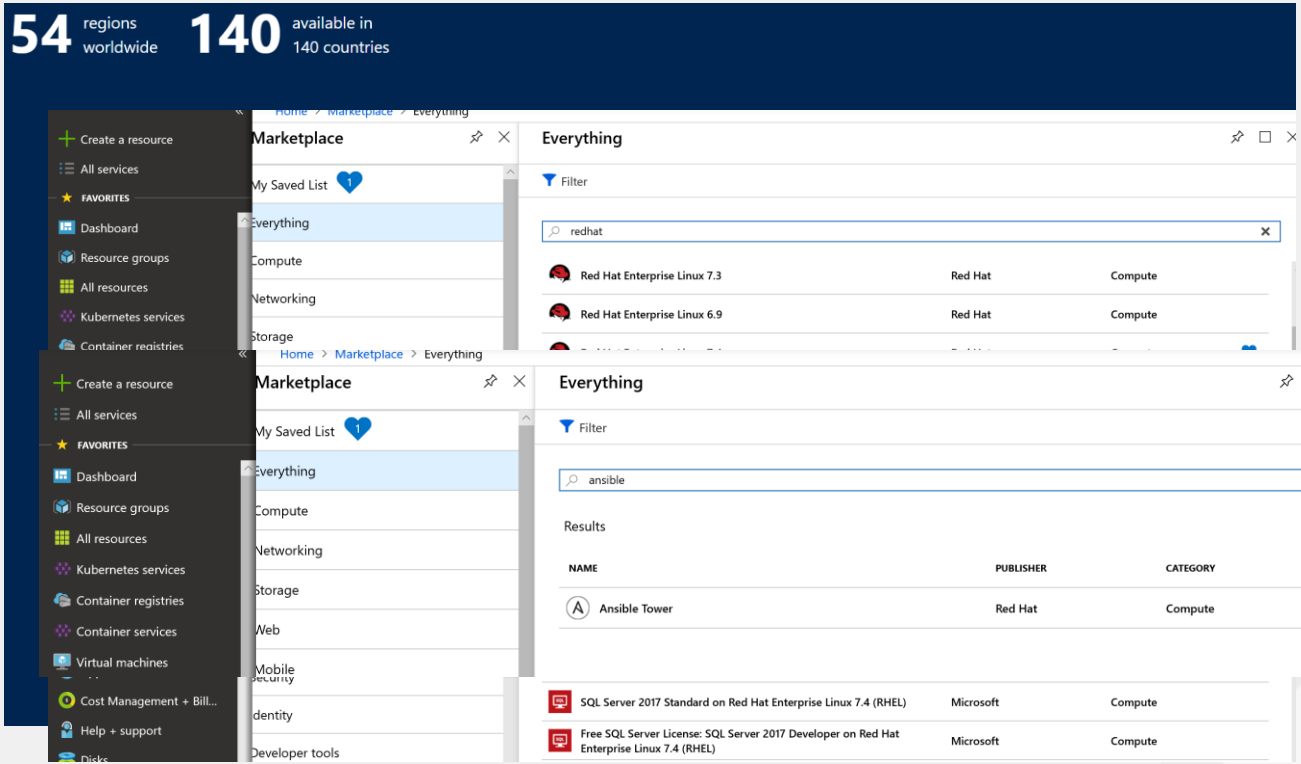
Freedom



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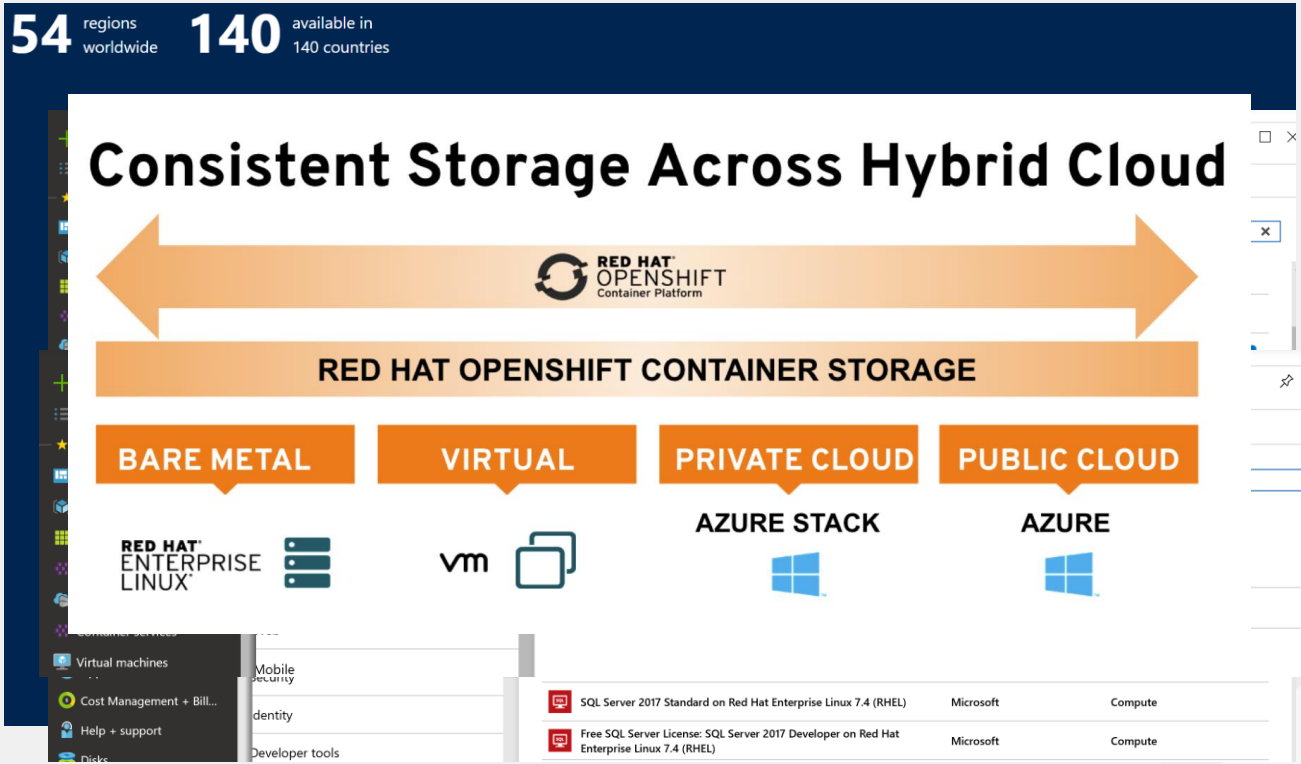

01. Red Hat + Microsoft

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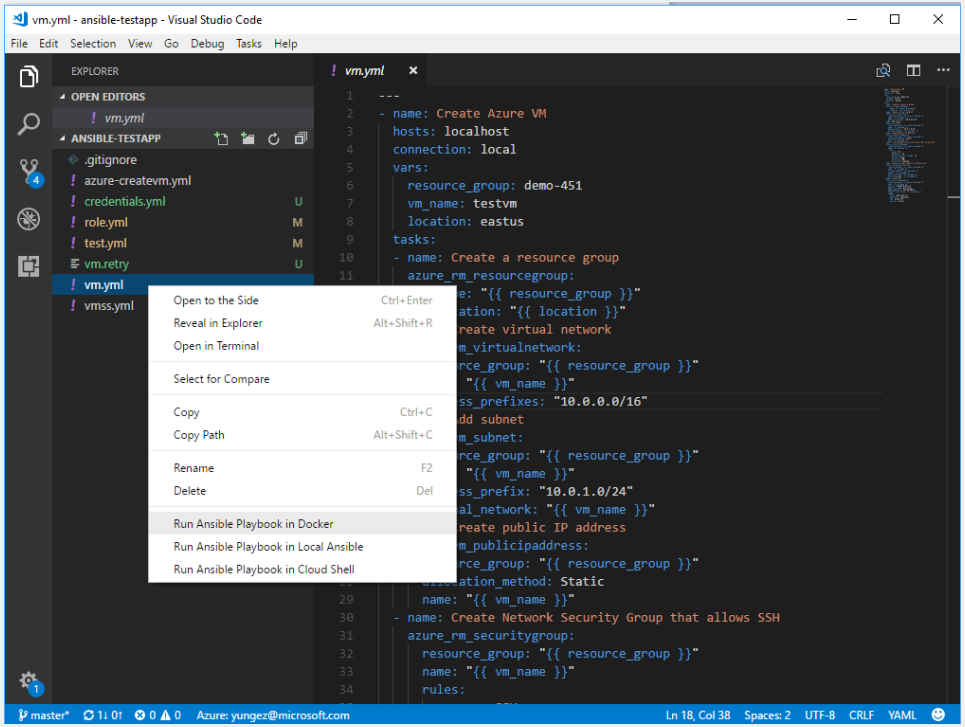
Development



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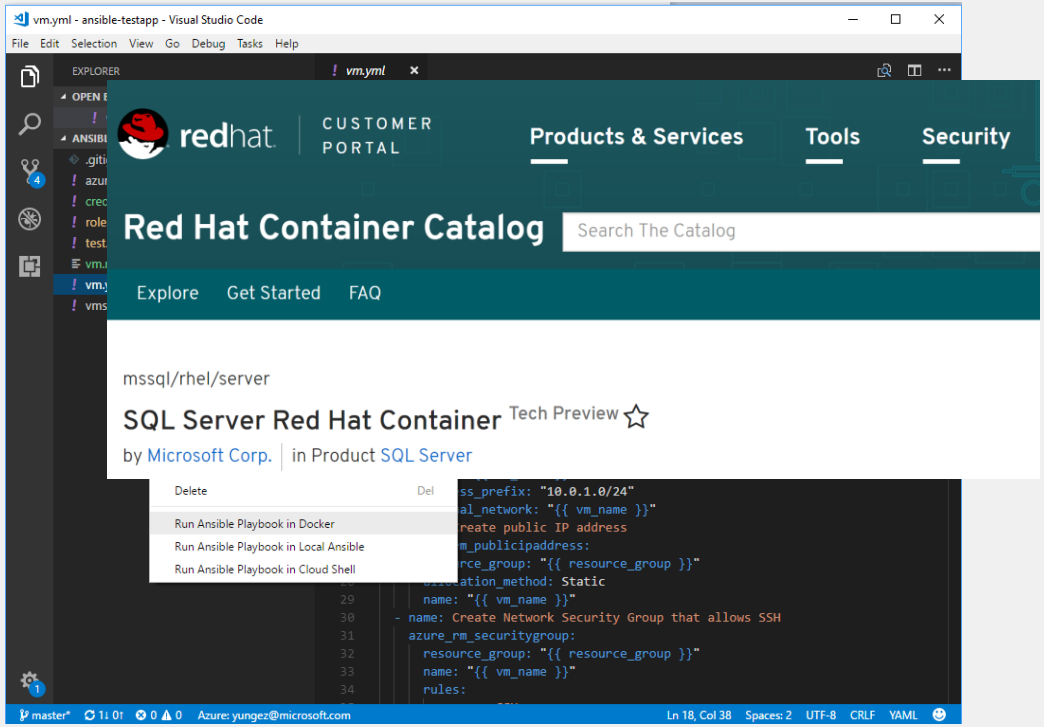
Development



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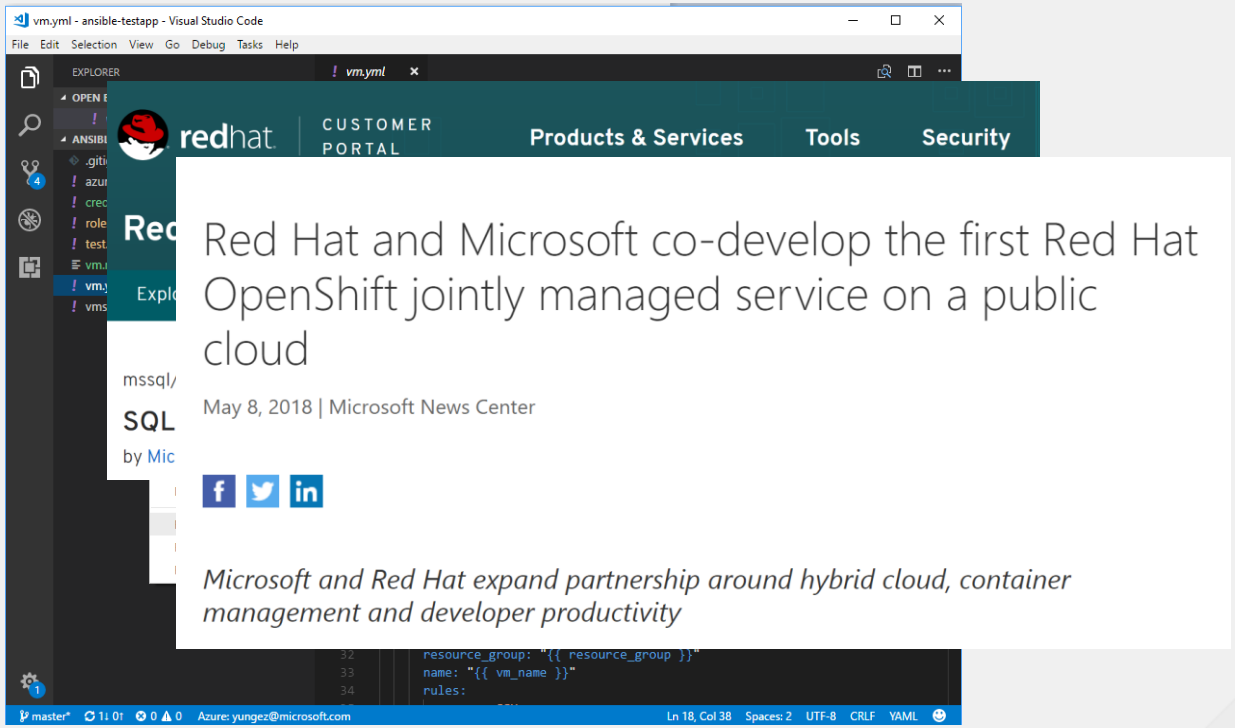

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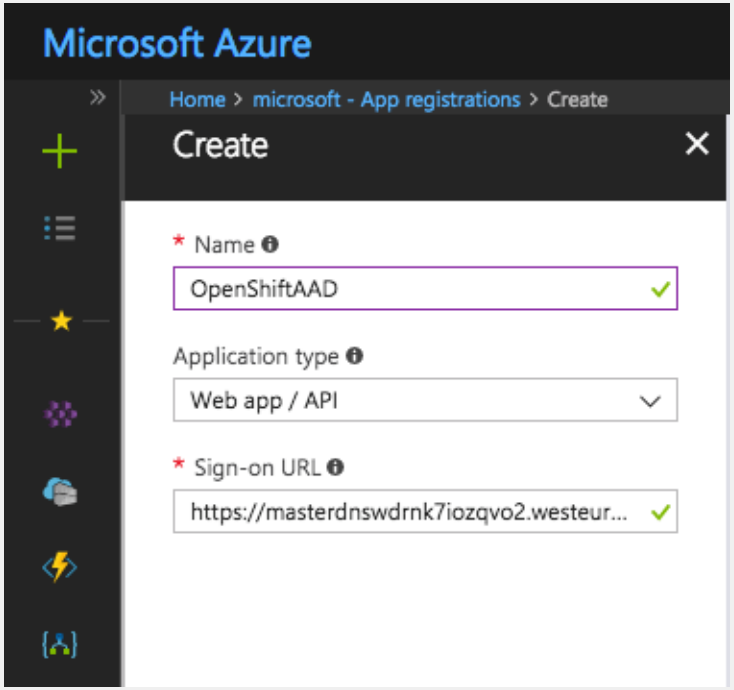

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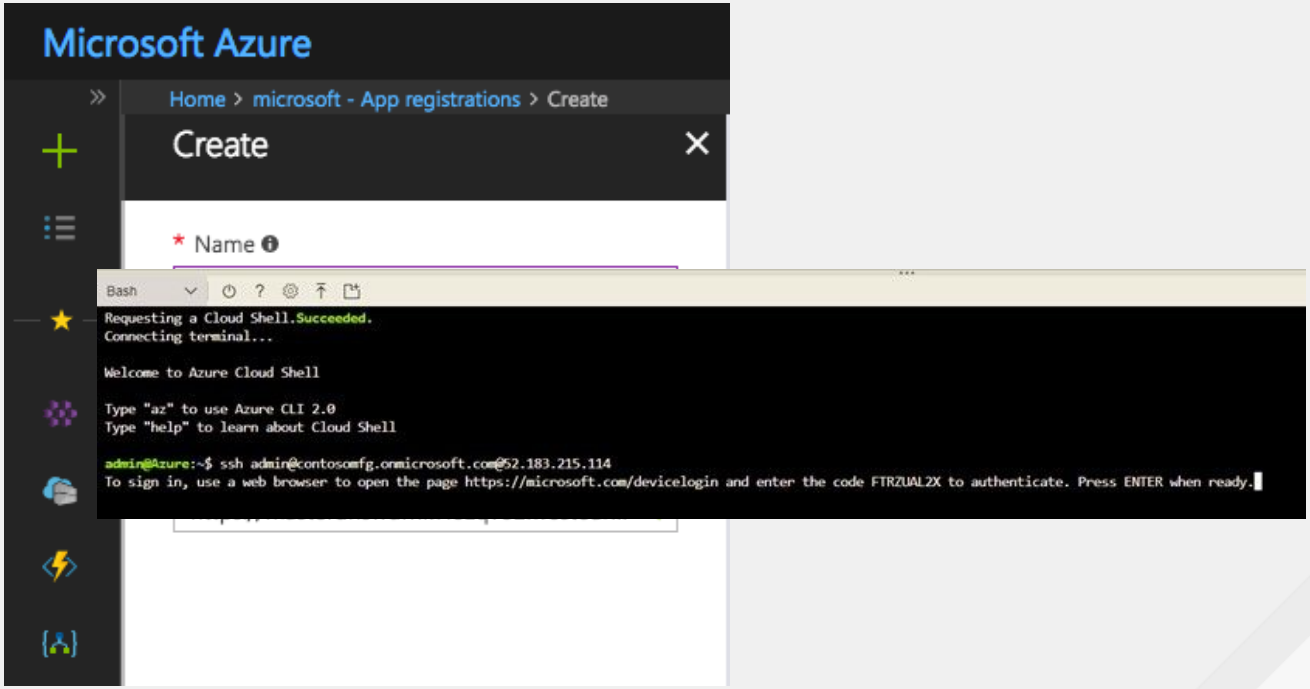
Management



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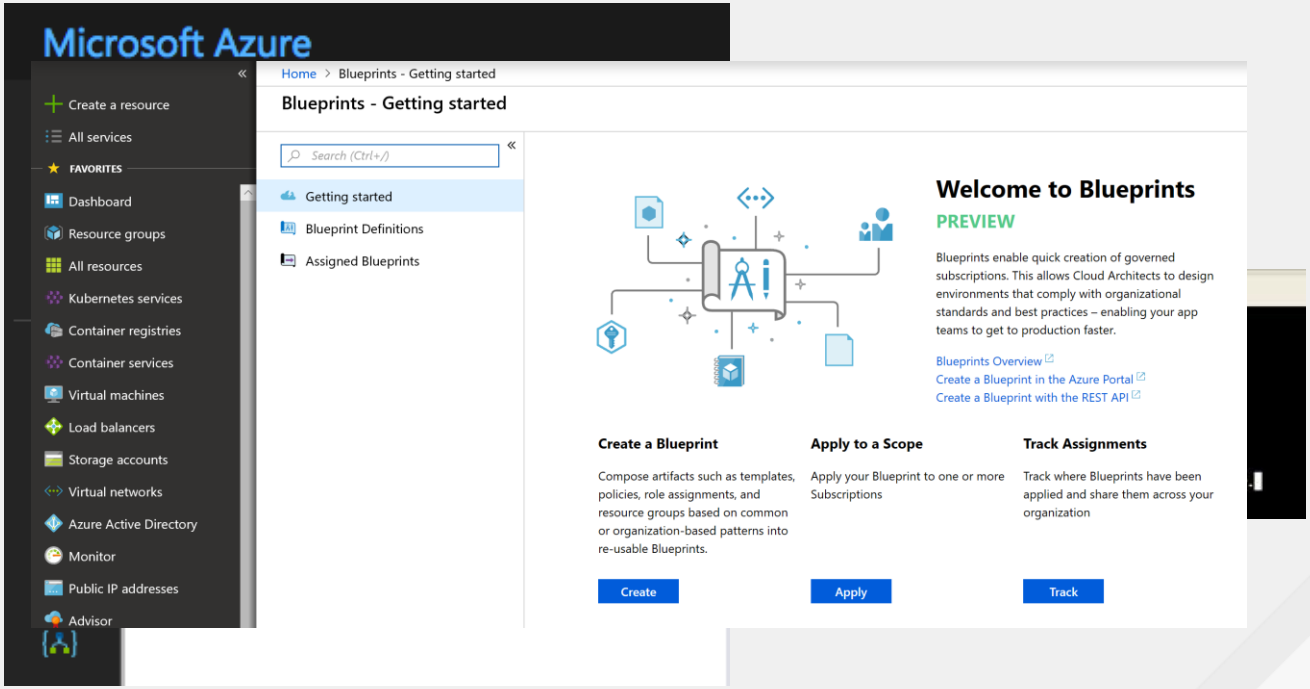

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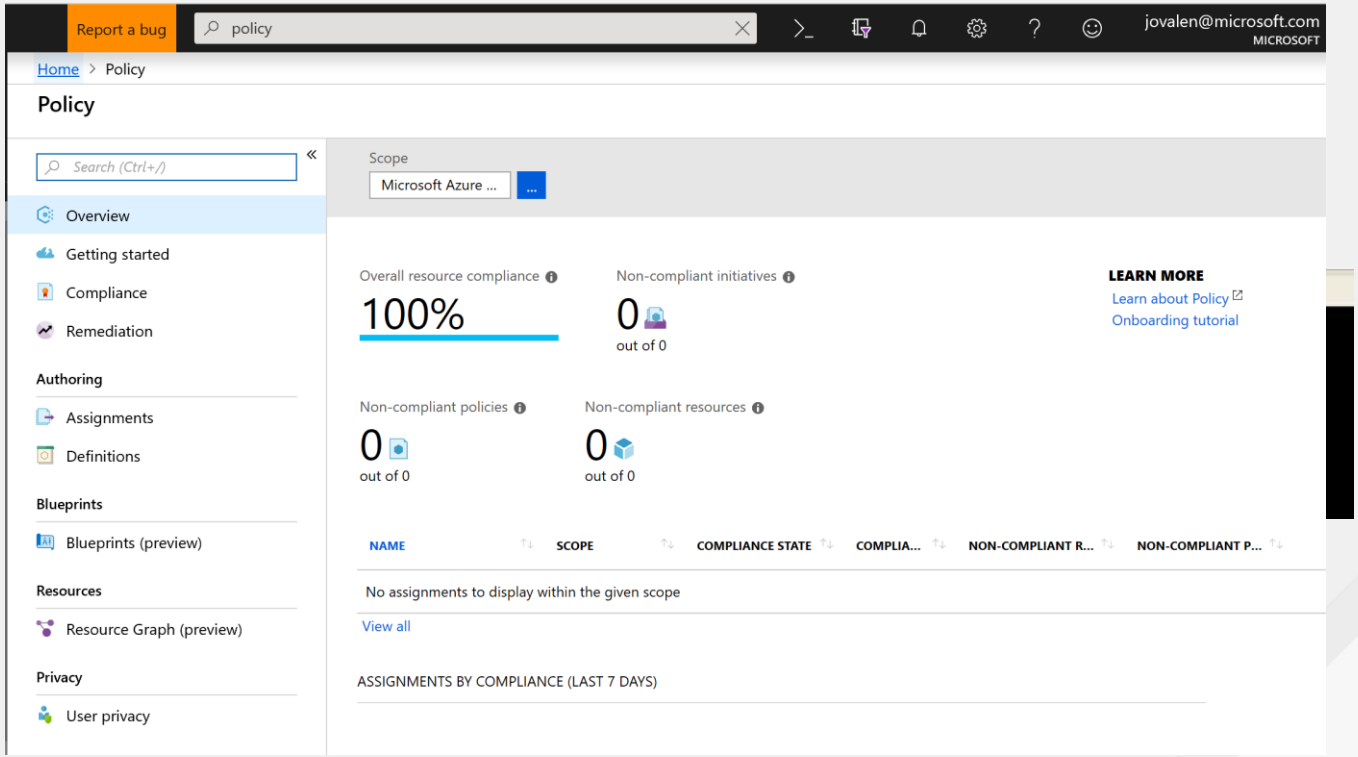

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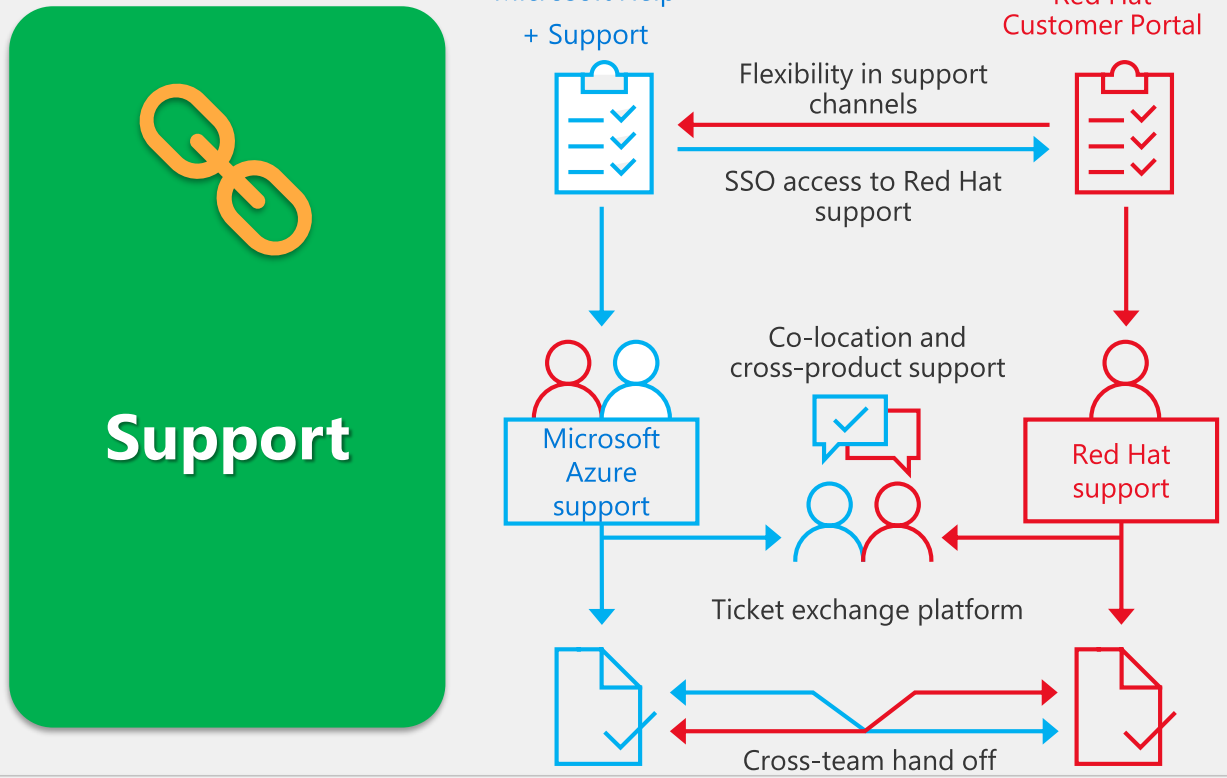

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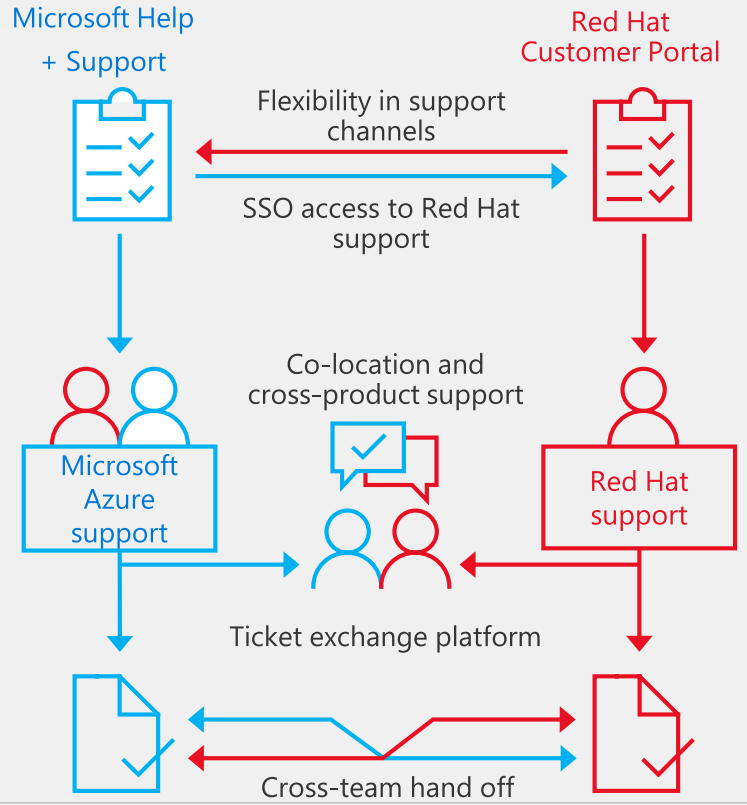
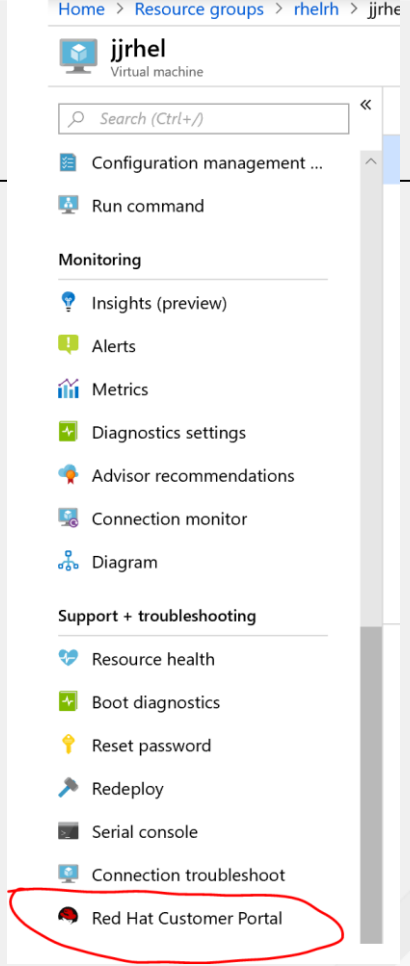
Support





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"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" New

When: 4/18 2:00 AM - 4/19 1:59 AM

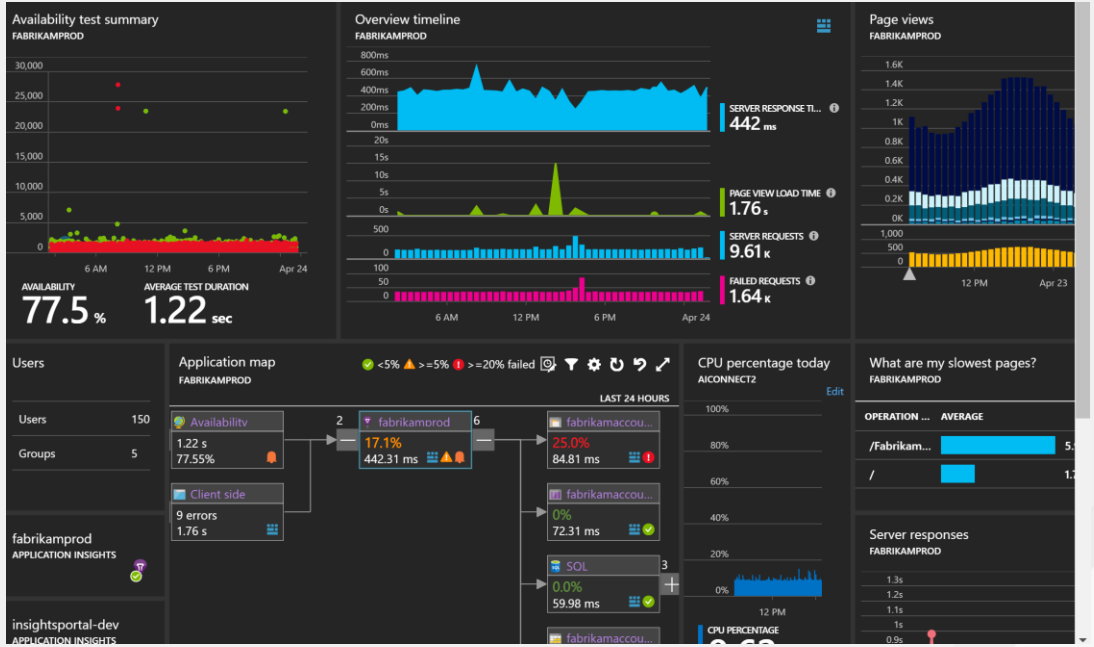
What: 8.72 sec Server response time vs 18.2 ms in the previous 7 days

Note: 30 users and 3.1% of all requests were affected

Degradation in Server response time for "GET /Scripts/knockout.mapping-latest.js" New

When: 4/18 2:00 AM - 4/19 1:59 AM

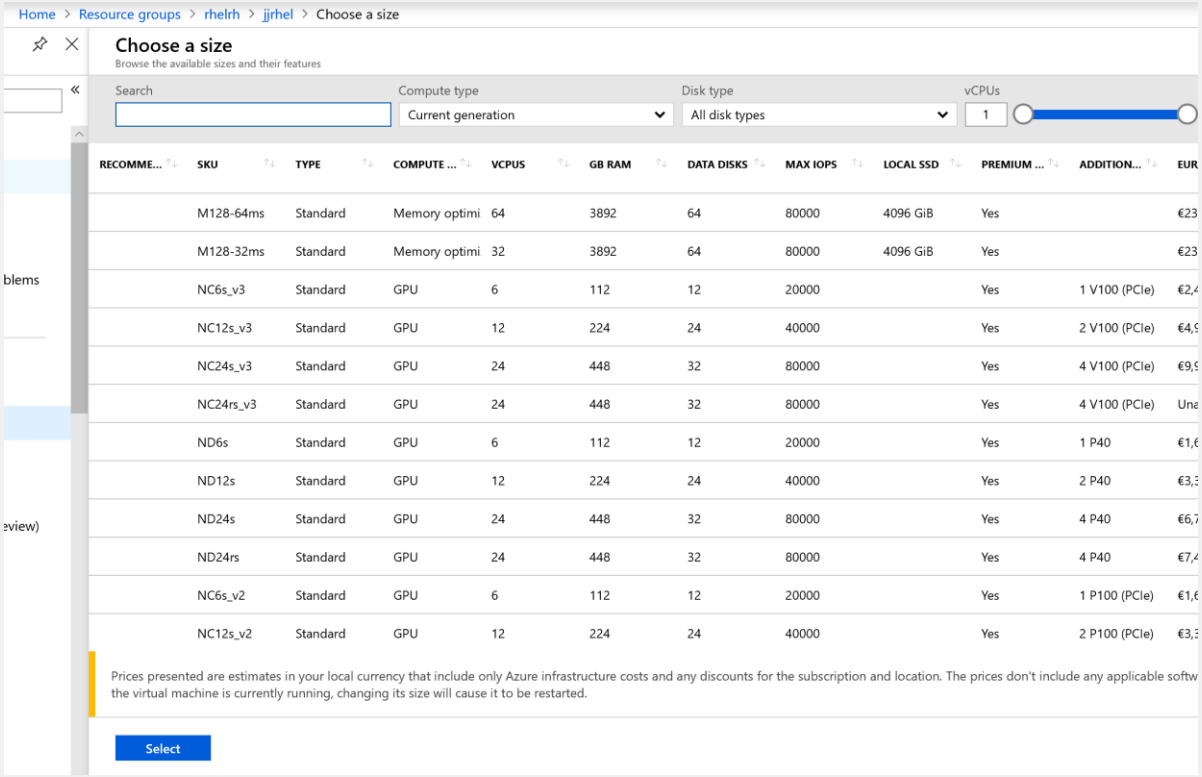
What: 8.21 sec Server response time vs 17.9 ms in the previous 7 days



Agility

02. OpenShift on Azure

Dynamic Deployment



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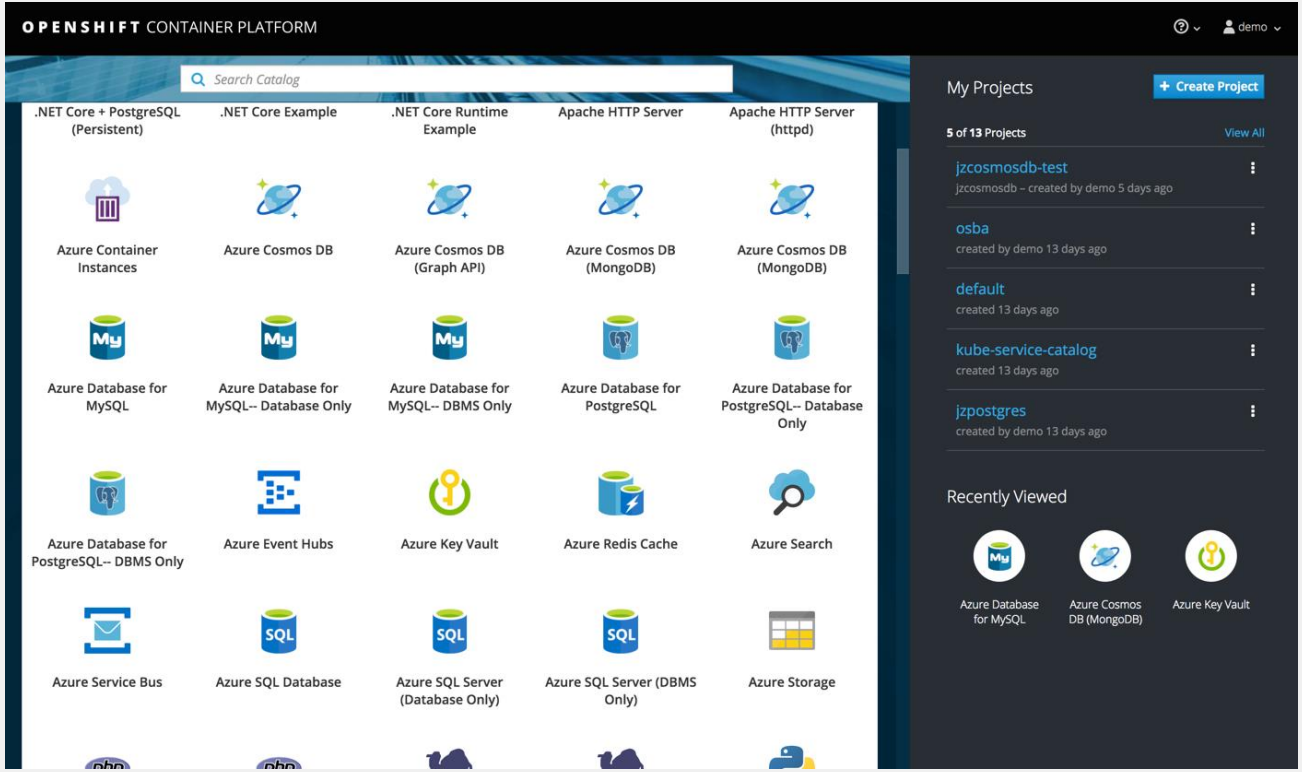
02. OpenShift on Azure

Dynamic Deployment



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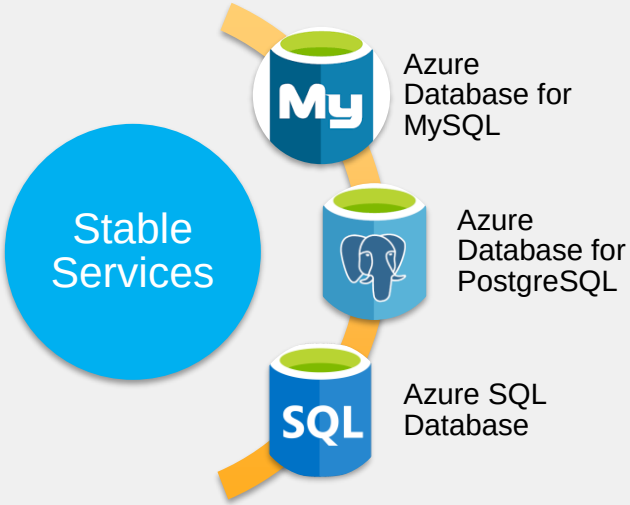
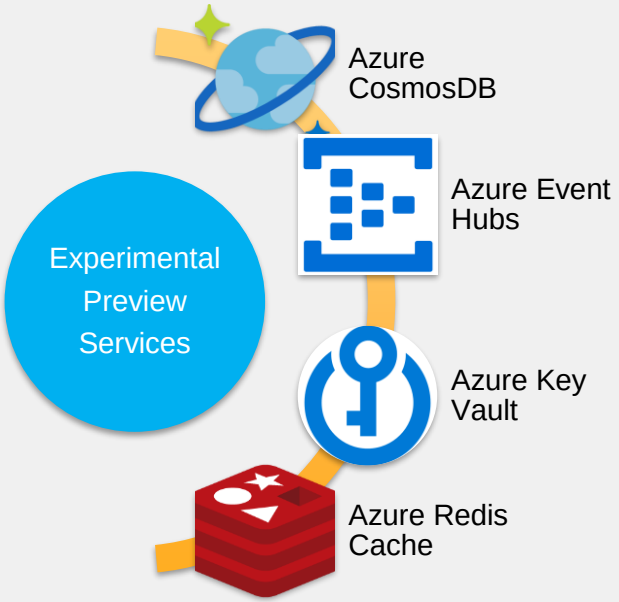
Dynamic Deployment





Control

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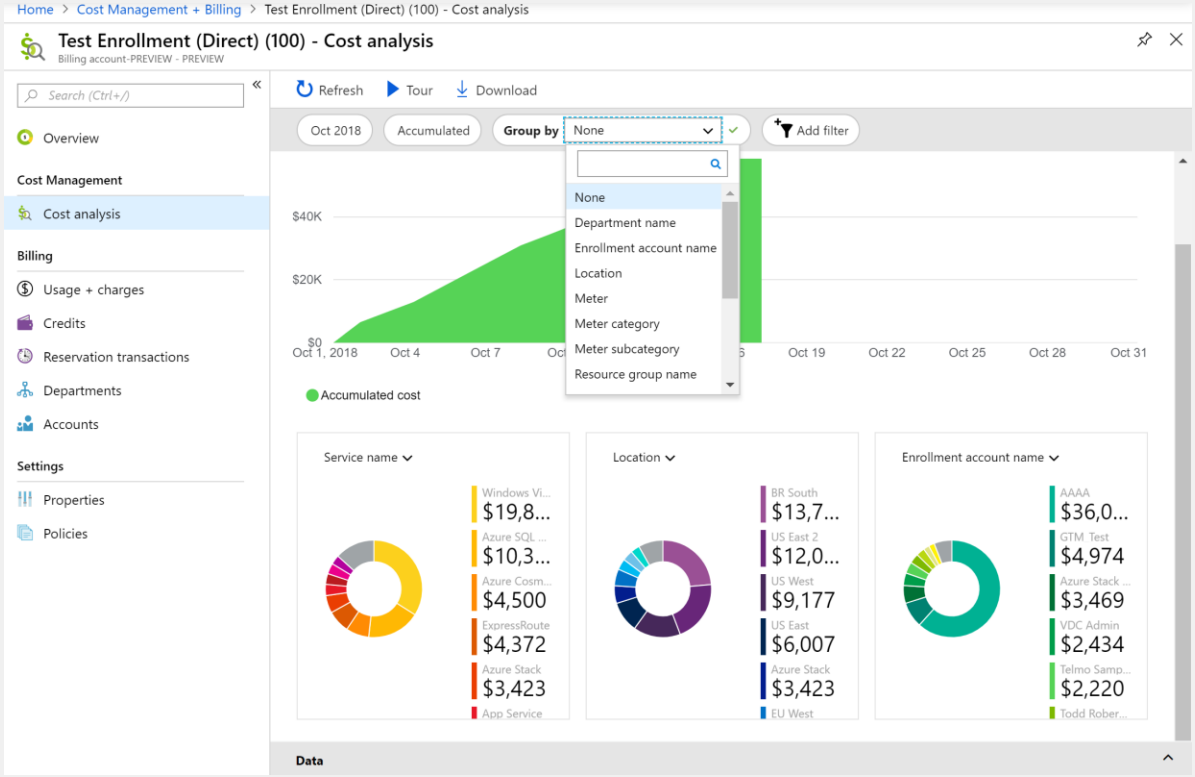
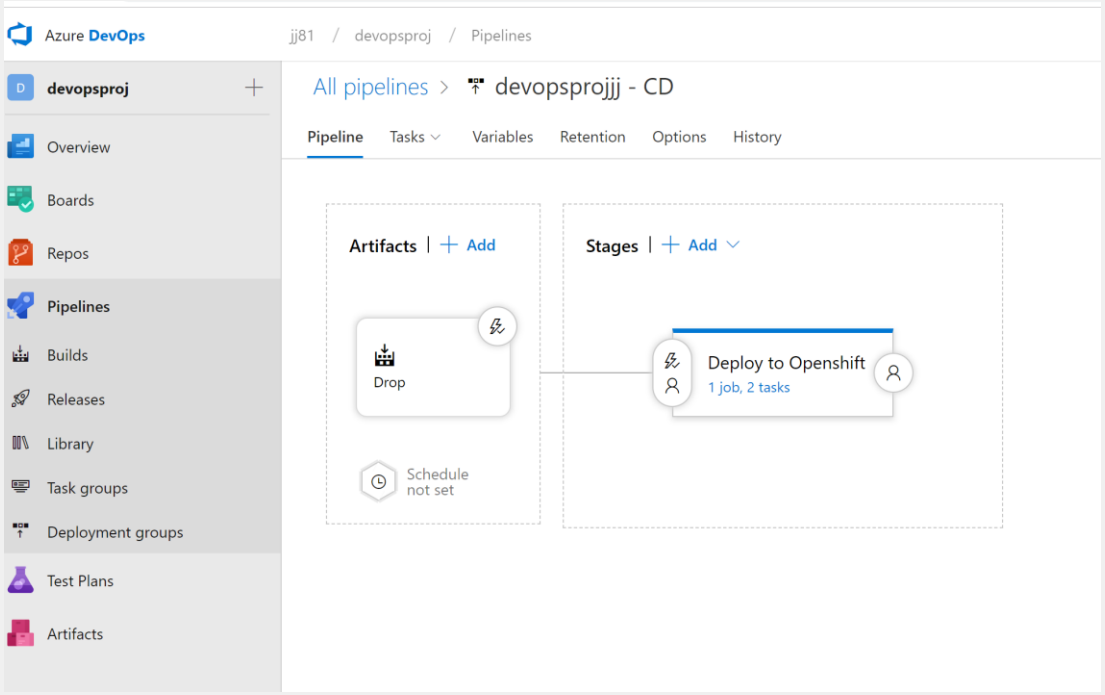
Dynamic Deployment



CI/CD Integration

02. OpenShift on Azure

Dynamic Deployment



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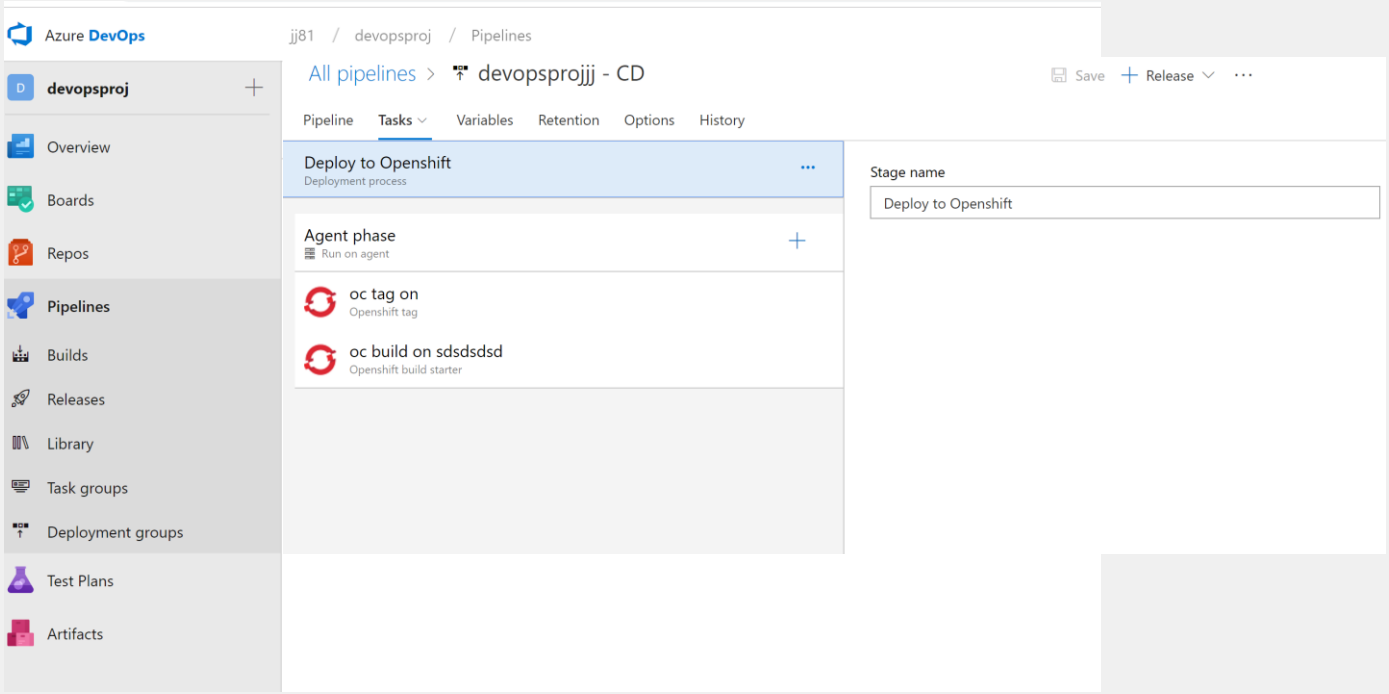

02. OpenShift on Azure

Dynamic Deployment

Microsoft + Open Source

- Microsoft Open Source Page - https://open.microsoft.com/
- Microsoft on GitHub - /azure and /microsoft
- Microsoft and Red Hat - https://azure.microsoft.com/en-us/campaigns/redhat/

Azure & Ansible:

- Ansible for Azure – https://docs.microsoft.com/en-us/azure/virtual-machines/linux/ansible-install-configure#file-credentials
- Provision using Ansible onto Azure - https://docs.microsoft.com/en-us/azure/virtual-machines/linux/ansible-create-vm
- 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 Brokver for Azure:

- Open Service Broker for Azure - https://osba.sh/

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GRAZIE PER L'ATTENZIONE

Giulio Santoli – Cloud Solution Architect

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