

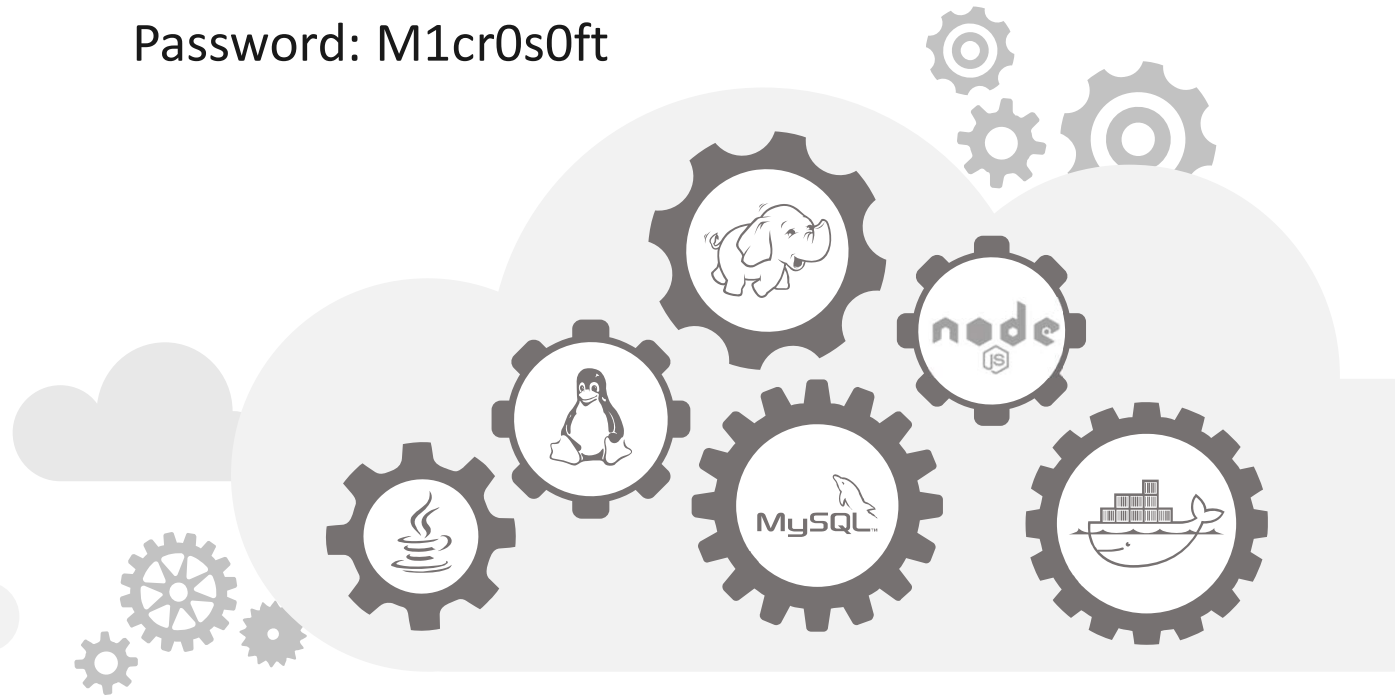
Open Source
on Azure

<http://aka.ms/azureossevent>

WiFi:

SSID: Microsoft

Password: M1cr0s0ft



Agenda

It's your day, it's flexible!

10:00 Introduction and prerequisites

10:15 Jenkins Workshop - Justin

11:30 Docker Workshop - Elton

12:00 Lunch

13:30 Chef Workshop – Kimball

15:00 Special Requests

16:00 Drinks 😊

Feel free to go off script...

WiFi:

SSID: Microsoft

Password: M1cr0s0ft

<http://aka.ms/azureossevent>

SWAG!!

Introductions

<http://aka.ms/azureossevent>

Microsoft

Docker

Chef

Prerequisites

Azure Pass

Azure CLI 2.0: <https://docs.microsoft.com/en-us/cli/azure/install-azure-cli>

Git client: <https://git-scm.com/downloads>

GitHub account: <https://github.com>

Oracle account:

SSH client (if using Windows: <http://www.putty.org/>)

VS Code: <http://code.visualstudio.com/> (or other editor of your choice)

Docker CE: <https://store.docker.com/search?offering=community&type=edition>

ChefDK: https://docs.chef.io/install_dk.html

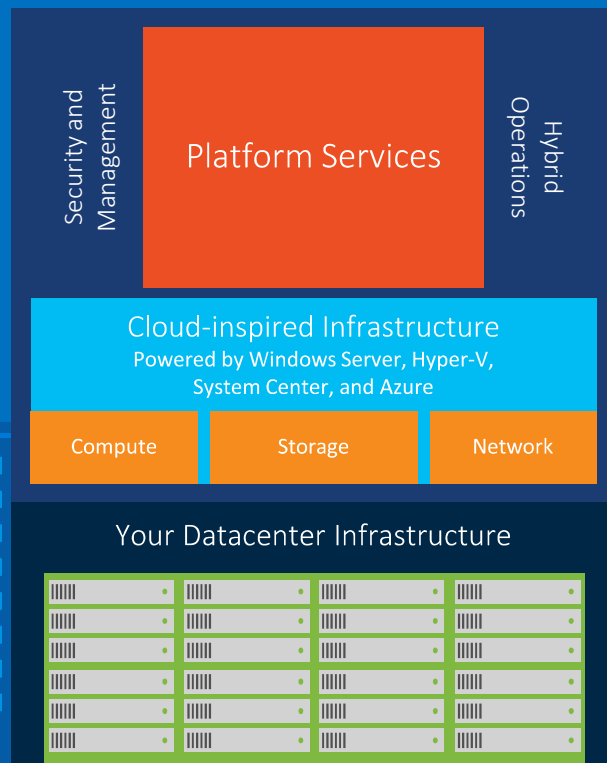
Intro to OSS + Azure

Marcus Robinson

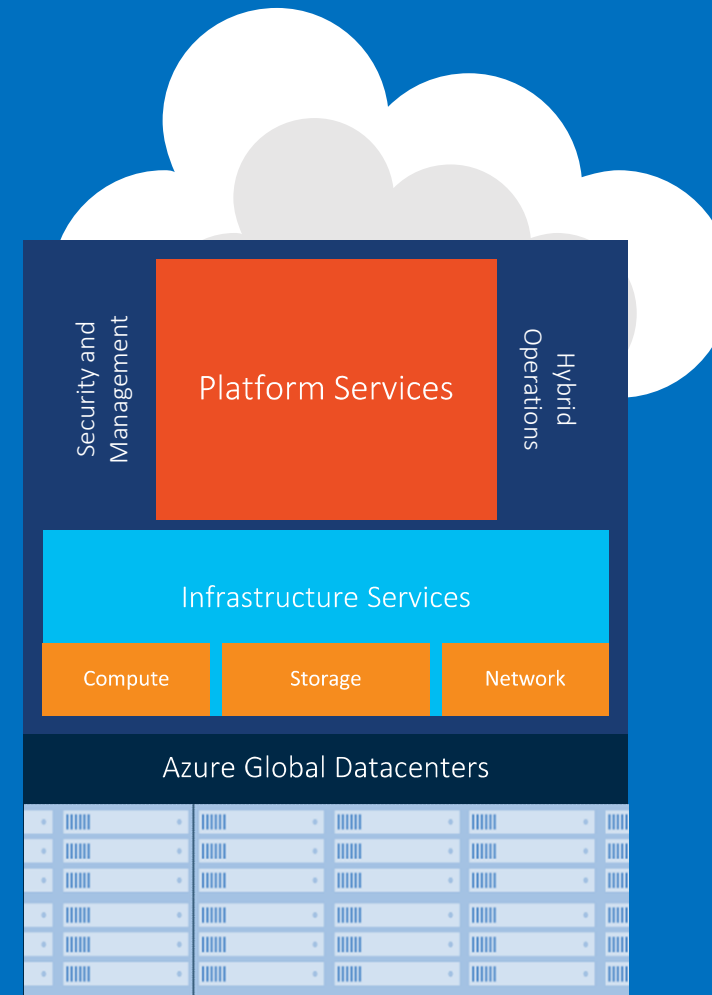
Technical Evangelist, Microsoft

@techdiction

Microsoft Azure & Azure Stack



Microsoft Azure Stack
and Cloud Platform System



Microsoft Azure Cloud
Public, Global, Shared

Open cloud

Hyper-scale

Open & flexible

Proven

Hybrid

Management



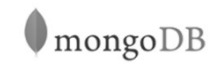
Applications



App Frameworks



Databases & Middleware



Infrastructure

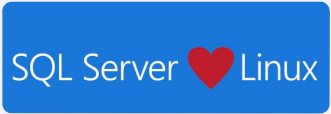


Linux



Microsoft is investing in Open Source

Our Products



SQL Server on Linux



HD Insight managed service on Linux



Acquisition

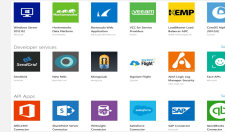
Windows Subsystem for Linux

```
C:\Users\markhill> bash
root@localhost: #
```

Run Linux on Windows natively

Our Offerings

Azure Marketplace



60% of all images in Azure Marketplace are based on Linux/OSS

1 out of 3

1 out of 3 VMs on Azure run Linux, and more than half of all new VMs run Linux

Our Partnerships



Partnership



Jenkins

Jenkins project on Azure



Microsoft joins Eclipse Foundation



Partnership with the Linux Foundation for Linux on Azure certification



Our Employees



Ross Gardler

President Apache
SW Foundation

600 Million+
[Microsoft Open Source Hub](#)

Lines of open source code
submitted to GitHub by
Microsoft engineers

Open Source at enterprise scale

9,700

Open Source
components used

6,000

Employees working
on
Open Source

3,000

Open Source
projects released

Open Source Hub

Open Source Resources for MS Engineers

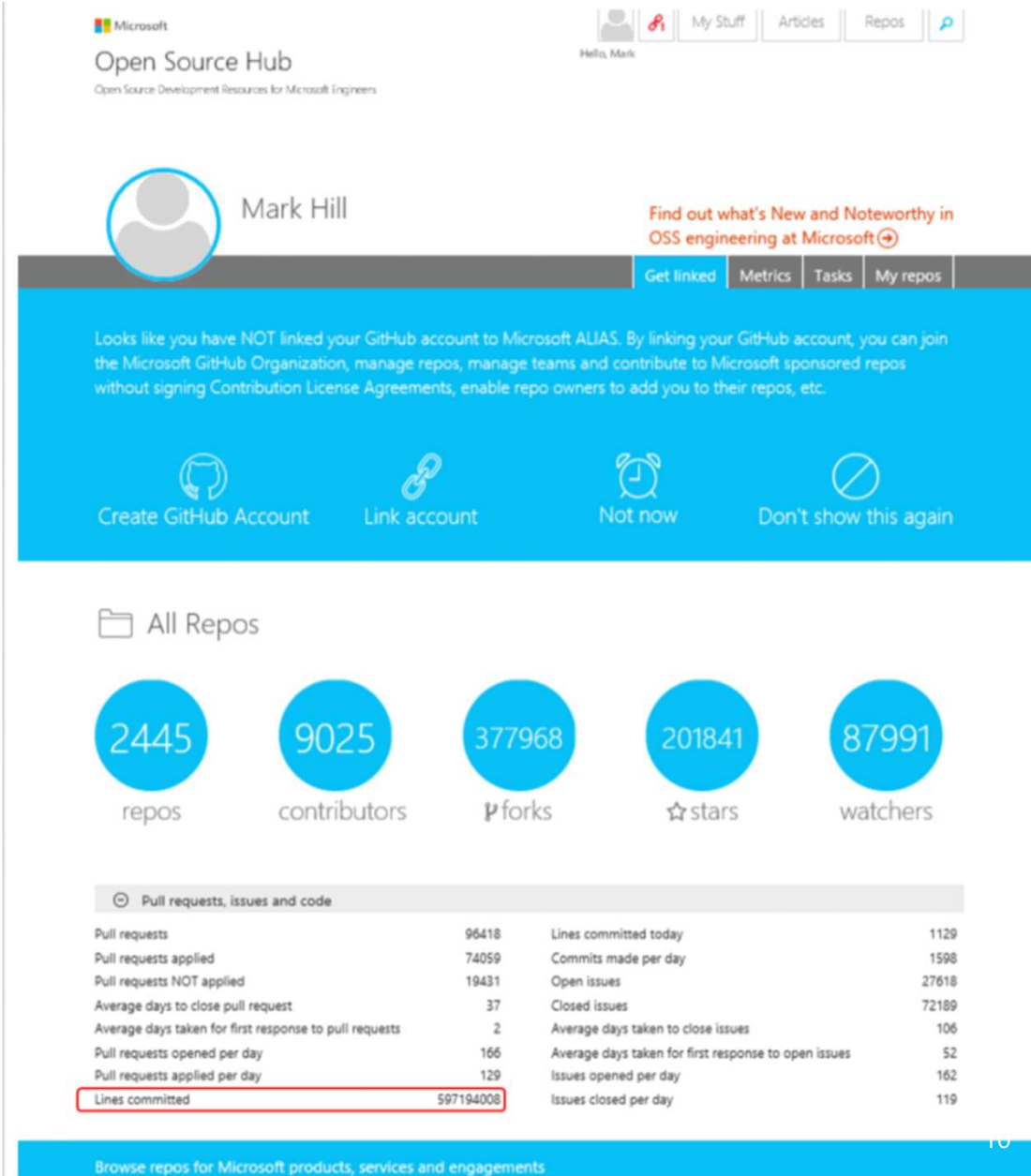
Intranet site that tracks contributions by Microsoft engineers to open source projects on GitHub:

Repositories (product/project code base)

Contributors

Lines of code submitted today, life to date

Details available per repository



The screenshot shows the 'Open Source Hub' intranet page for a user named Mark Hill. The page header includes the Microsoft logo, the user's name, and navigation links for 'My Stuff', 'Articles', 'Repos', and a search icon. Below the header, a message prompts the user to link their GitHub account to their Microsoft ALIAS. A row of four buttons offers options: 'Create GitHub Account', 'Link account', 'Not now', and 'Don't show this again'. The main content area displays 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. The 'Lines committed' row is highlighted with a red border. The footer contains a link to browse repositories for Microsoft products.

Microsoft
Open Source Hub
Open Source Development Resources for Microsoft Engineers

Hello, Mark

Find out what's New and Noteworthy in OSS engineering at Microsoft

Get linked Metrics Tasks My repos

Looks like you have NOT linked your GitHub account to Microsoft ALIAS. By linking your GitHub account, you can join the Microsoft GitHub Organization, manage repos, manage teams and contribute to Microsoft sponsored repos without signing Contribution License Agreements, enable repo owners to add you to their repos, etc.

Create GitHub Account Link account Not now Don't show this again

All Repos

2445 repos

9025 contributors

377968 forks

201841 stars

87991 watchers

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

Browse repos for Microsoft products, services and engagements

Azure Open Source Application Platform

Adding value to your existing investments

Developers

Operations

Data analysts

Business



Virtual
Machines

Stateful and
stateless one-
off solutions

VM Scale
Sets

Scalable
solutions

Container
Service

Scalable,
orchestrated
Docker
images
deployed into
containers

Batch

Custom High
Performance
Computing
solutions

Open
Source
PaaS

OpenShift,
Cloud
Foundry &
others

Service
Fabric

Custom
Microservice-
based stateless
and stateful
solutions

App Service

Environments

All the
goodness of
App Service in
a dedicated
environment

Web, Mobile & API

Template
based rapid
development
web, mobile
and API
solutions

Logic

Orchestrated
workflow
based
integration
solutions

Functions

On-demand
serverless
architecture

Build on the infrastructure

Lift-and-shift + net new on Linux Docker

Build on the platform

Cloud-born LOB



Azure Open Source Container Platform

Enabling agility with containers in the cloud

Developers



Operations



Data analysts



Docker VM Extension for Azure

Easy and programmatic way to add Docker capabilities to your VMs



Open source container-based PaaS platforms in Azure

Container-ready application platforms that benefit from Azure's native partitioning, capacity management and high availability



Azure Container Service

Optimized container hosting in the cloud with familiar tooling and your choice of orchestrator



Azure Marketplace container partners

Partner solutions that address management challenges of containers



Microsoft Azure



Workload portability



DC/OS

Cross-cloud orchestration



Tools integration

Windows Server (preview)

Azure Stack (roadmap)



DC/OS

Your own platform



Enjoy your day.

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