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KEYNOTE

How open source and hybrid cloud brought Microsoft and Red Hat together

Two very different companies, one common goal: open source innovation for the future of business and development. Join Red Hat's Matt Hicks, SVP of software engineering, and Microsoft's John Gossman, lead architect for Microsoft Azure, to hear why the companies forged an alliance to help businesses progress from on-premise environments to a hybrid cloud world. Discover Microsoft's journey to open source, Red Hat's progression to hybrid cloud, and how these paths converged along the way.

Matt Hicks, Senior vice president, Software Engineering, Red Hat

Matt Hicks is the senior vice president of Software Engineering at Red Hat, where he is responsible for all product engineering. Hicks is responsible for products such as Red Hat® Enterprise Linux, the Red Hat JBoss® Middleware portfolio, Red Hat OpenStack Platform, Red Hat OpenShift, and Red Hat Ansible Automation, as well as the company's hosted services, such as Red Hat OpenShift Online, Red Hat OpenShift.io, and Red Hat OpenShift Dedicated—which serve millions of applications and billions of requests a day. He has been with Red Hat for a dozen years and was one of the founding members of the OpenShift team. Before Red Hat, Hicks spent several years with IBM, a few startups, and as an IT consultant.

With more than 20 years of experience in Linux and a background in computer engineering from the Georgia Institute of Technology, Hicks has always had a passion for combining infrastructure and application technologies. As technology innovation converges on open source, Linux, and containers, his experience has placed him at the center of what he believes is the most exciting time in our history.

John Gossman, Lead architect, Azure, Microsoft

John Gossman is a lead architect on Microsoft Azure, where he spearheads technical strategy and partnerships for Linux® and open source technologies. He serves on the Linux Foundation Board of Directors and co-authored the Microsoft REST API guidelines. Gossman was previously an architect on Microsoft's UI strategy—where he popularized the Model-View-ViewModel pattern—and came to Microsoft as part of the Visio acquisition.

TRACK 1 - BUILDING AND SECURING YOUR INFRASTRUCTURE FOR TODAY AND TOMORROW

SESSION 1: Automating security and compliance for hybrid environments

Visibility, control, security, governance, and compliance are paramount to your IT infrastructure. Those can be even more challenging in a hybrid infrastructure consisting of physical, virtual, cloud, and container environments. You can ease these challenges by automating security and compliance using a combination of Red Hat® CloudForms®, Red Hat Satellite, Red Hat Insights, Red Hat Ansible® Automation, and OpenSCAP. In this session, learn how to easily provision a security-compliant host, how to quickly detect and remediate security and compliance issues,

how to ensure governance and control, how to do proactive security and automated risk management, how to perform audit scans and remediations on your systems, and how to automate security to ensure compliance against regulatory or custom profiles.

Lucy Kerner, Global security technical strategist, evangelist, Red Hat

Lucy Kerner is the global security technical strategist and evangelist at Red Hat, where she supports the company's cross-portfolio global go-to-market security strategy and contributes as a thought leader. Kerner creates security-related technical content for Red Hat's sales teams, customers, and partners and has spoken at numerous internal and external events—earning honors as a top presenter at the 2017 and 2016 Red Hat Summit. Throughout her 15 years of experience, Kerner has served as a senior cloud solutions architect for Red Hat's North American Public Sector team, a software and hardware development engineer, and a presales solutions architect. Prior to joining Red Hat, she was a mainframe microprocessor design engineer at IBM, a presales solutions architect for IBM x86 servers, and a software and hardware developer at Apple, Cadence, Lockheed Martin, and MITRE.

SESSION 2: Build a hybrid cloud with Red Hat containers on Microsoft clouds

Red Hat® and Microsoft have partnered to offer you a mature enterprise Platform-as-a-Service on an intelligent public and on-premise cloud native infrastructure: Red Hat OpenShift® on Microsoft Azure. Learn how to deploy Red Hat solutions on Azure and explore various hybrid architecture scenarios that use both technologies.

Khaled Elbedri, Technical sales lead, Azure, Microsoft

Khaled Elbedri is a technical sales lead for Microsoft, where he helps customers to accelerate their open source software journey to Azure by architecting complex cloud, hybrid application, and infrastructure. He is part of the company's Global Black Belt team, an advocate of open source software, and works closely with open source business group leads. In this role, he helps system integrators and independent software vendors build sound IT strategies and builds relationships with the broader Microsoft partner team to identify new business opportunities.

Elbedri has more than 16 years of experience in the IT industry, and has supported presales technology strategy, the design and architecture of enterprise- and mission-critical solutions, professional services, and program development. Elbedri has helped customers find technical solutions using emerging and disruptive technology vendors like Red Hat, Amazon Web Services, and Microsoft.

Ismail Dhaoui, Solution architect, banking, oil, and gas industries, Red Hat

Ismail Dhaoui is a solution architect at Red Hat focusing on banking, oil, and gas industries, where he helps chief information officers transform the IT landscape through cost effective open source solutions.

He has been part of several organizations throughout more than 13 years in the industry working on Linux®-based open source technical projects. He was a senior technical account manager at Red Hat and held multiple system administration positions in the oil, gas, and telecommunications industries. Dhaoui also has Kernel maintainer responsibilities at STMicroelectronics.

SESSION 3: Microsoft SQL Server on Red Hat Enterprise Linux and containers

Learn the capabilities of Microsoft SQL Server on Red Hat® Enterprise Linux® as we discuss deployment, performance, high availability, and security. We'll demo how SQL Server and Red Hat Enterprise Linux can meet the needs of developers and critical applications. Plus, learn why SQL Server matters to Red Hat OpenShift®.

Bob Ward, Principal architect, SQL Engineering, Microsoft

Bob Ward is a principal architect for the SQL Engineering team at Microsoft, where he is responsible for developing all SQL Server versions on Windows and Linux®. Throughout his 25-year career at Microsoft, he has worked on every version of SQL Server from OS/2 1.1 to SQL Server 2017 including Azure.

Prior to his current role, Ward worked in customer support as a principal escalation engineer and chief technology officer, interacting with some of the largest SQL Server deployments in the world. He is a well-known speaker on SQL Server, often presenting talks on new releases, Linux, internals, and performance at events such as SQL PASS Summit, SQLBits, SQLIntersection, and Microsoft Ignite.

Nicholas Gerasimatos, Emerging technologies evangelist, Red Hat

Nicholas Gerasimatos is an emerging technologies evangelist at Red Hat, where he relies on his more than 20-years career in IT and systems development evangelism to align deliver customer-focused solutions through technology and engineering.

TRACK 2 - DEVOPS: GAINING CHOICE AND FLEXIBILITY WITH RED HAT AND MICROSOFT

SESSION 1: Benefits of Red Hat OpenShift Container Platform on Microsoft Azure

Red Hat® OpenShift® Container Platform helps you develop, deploy, and manage container-based applications seamlessly across physical, virtual, hybrid, and public cloud infrastructures including Microsoft Azure. In this session, learn how OpenShift Container Platform on Azure helps bring application development and IT operations teams together to modernize applications, accelerate development processes, and deliver new services faster.

Jim Zimmerman, Principal software development engineer, Microsoft

Jim Zimmerman is a principal software development engineer at Microsoft, where he is responsible for helping customers find solutions with Red Hat OpenShift and Kubernetes. He speaks regularly at open source software events and represents Microsoft at open source software community events and code contributions. Zimmerman works closely with Microsoft product teams to provide Azure support for open source software._

Nicholas Gerasimatos, Emerging technologies evangelist, Red Hat

Nicholas Gerasimatos is an emerging technologies evangelist at Red Hat, where he relies on his more than 20-years career in IT and systems development evangelism to align deliver customer-focused solutions through technology and engineering.

SESSION 2: Container-native storage

The need for scalable, persistent, container-based storage is becoming more important as developers look to provide easily portable applications that can be consistently managed in hybrid cloud environments. Container-native storage highly integrated with Kubernetes-based Red Hat® OpenShift® Container Platform—for both physical server and virtualized server environments—provides compelling value to IT organizations looking to work with an open source solutions stack.

Steve Bohac, Product marketing director, Red Hat

Steve Bohac is a product marketing director at Red Hat, where he is responsible for marketing container-based storage solutions. He has more than 17 years of experience in enterprise product marketing and product management, working for industry leaders such as Red Hat, NetApp, Violin Systems, and HPE. Bohac received a bachelor's of science degree in engineering from Villanova University and a master's of business administration from Purdue University.

SESSION 3: Automate and manage Microsoft Azure resources with Red Hat Ansible Automation

Discover how Red Hat® Ansible® Automation manages and automates a variety of Microsoft Azure cloud services including virtual machines, virtual networks, resource groups, and security groups. Learn how to use the Ansible extension for Visual Studio Code—Microsoft's open source code editor that works across Linux, Mac and Windows—to accelerate playbook development using code snippets, syntax highlighting, and integrated debugging. See how to use Ansible's dynamic inventory capability to pull inventory from Azure resources.

Ken Thompson, Senior product marketing manager, Azure, Microsoft

Ken Thompson is a senior product marketing manager for Microsoft Azure, where he is responsible for helping customers succeed with DevOps on the Azure cloud using existing tools and practices. Thompson works with communities and partners to better integrate solutions on Azure that involve third-party DevOps tools such as—but not limited to—Ansible, Chef, Docker, Eclipse, Gitlab, Jenkins, Packer, Spinnaker, and Terraform.

TRACK 3: IMPLEMENTING A COMPLETE MANAGEMENT FRAMEWORK ACROSS ENVIRONMENTS

SESSION 1: Using Ansible for Red Hat Enterprise Linux and Microsoft Windows alike

Ansible is the only automation language that can be used across entire IT teams—from systems and network administrators to developers and managers—for both Linux® and Microsoft Windows operating systems. Learn how Red Hat® Ansible® Automation can help your team.

Jordan Borean, Software developer, Red Hat Ansible Automation Red Hat

Jordan Borean is a software developer on the Red Hat Ansible Automation engineering team focused largely on Windows automation. Previously, Borean was a systems analyst for an Australian bank where he managed both Windows and Linux® systems. His professional goals are to replace frustrating manual IT processes with automated solutions.

SESSION 2: Monitoring the performance of your container environments

Monitoring your Red Hat® OpenShift® cluster is important to ensure that your applications are up and running as expected. Learn how Microsoft Azure Container monitoring provides you with information about the health, performance, and logs, of the nodes and containers that affect your application services.

Keiko Harada, Senior program manager, Azure, Microsoft

Keiko Harada is a senior program manager for Microsoft Azure, where she focuses on the future of cloud services monitoring and management. She has gained a broad range of expertise throughout her more than 10-year career in the industry, from Docker to big data and designing cloud services on Microsoft Open Management Suite for VMware and Docker containers monitoring for Linux® and Windows. Harada has extensive experience with enterprise container platforms, including Mesosphere DC/OS, Kubernetes, Docker Swarm, and Azure Container Services.