Leveraging a Mixed IT Environment on the Cloud

How Open Source Unlocks The Best of the Cloud

Ross Gardler
Senior Technology Evangelist
We have changed as a company and have become more OPEN
Costa Rica, 8:42am, September 5th 2012

7.6 Magnitude Earthquake Wreaked Havoc

The Pacific Tsunami Warning Center issued a tsunami warning for the Pacific coast of most of Central and South America.

“We couldn’t report breaking news, much less interact with our users, and we needed an immediate solution,” Luis Zarnowski, Interactive Media Manager, Teletica
“able to reliably host our website with its high volume traffic, we were also able to deploy the application our users so desperately needed in about 45 minutes,” Zarnowski, Teletica
Surprise?
It’s Open Source

“The idea of interoperability was a fundamental factor here because the applications they had were open source, but that was no obstacle for us,” Yuri Poras, Director of New Technology, Microsoft Costa Rica
MS Open Technologies
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To advance Microsoft’s investment in openness

Interoperability
Open source
Open standards

Ross Gardler
Over 15 years in open source
Senior Technology Evangelist, Microsoft
Executive Vice President of the Apache Software Foundation

Serving a global role supporting the amazing team at Microsoft Open Tech
Microsoft + Linux

- Linux runs as a first-class guest on Windows Server Hyper-V
- Develop apps for both Linux and Windows (CoApp)
- Supported on Windows Azure Virtual Machines (CentOS, openSUSE, SUSE, Ubuntu)

“Microsoft is playing quite nicely with Linux and other open source tools.”

- Robert McMillan, Wired Enterprise
Microsoft + Apache Hadoop

- Embracing the Big Data revolution with Hadoop on Windows Server and Windows Azure
- Utilize Microsoft BI tools to unleash data insights from all your data, including those in Hadoop

"Microsoft's ongoing relationship in supporting the open source Hadoop technology continues apace as interoperability is being opened up for Windows Server and Windows Azure.”

-Kurt Mackie, Redmondmag.com
Microsoft + Java

- Great Java experience on Windows Server and Windows Azure
- Windows Azure plug-in for Eclipse with Java

“Given the promising foundation of Windows Azure, we saw an opportunity to provide a cloud deployment and monitoring experience for our customers' existing Java-based enterprise applications...”

- Adi Paz, Executive VP for Marketing & Business Development at GigaSpaces
Microsoft + Firefox

- Well supported across cloud services (Windows Live, Office 365, Bing, Skype)
- Windows Media Player Firefox Plug-in

“HTML5 represents the chance for browsers to work together and find common ground.”

-Mozilla open source evangelist Chris Blizzard in the article “Only Microsoft Gets Web Standards”
Microsoft + Drupal

- Improved interoperability with Drupal to better manage web content

“We successfully moved our [Drupal] site to Windows Azure and the biggest traffic day for us went off with flying colors.”

- Erin Griffin, CIO of Screen Actors Guild
Microsoft + Moodle

- Millions of students have access to both Moodle and Microsoft Live@edu services through the Live@edu plug-in for Moodle

“This integration [Live@edu/Moodle] is something of a first—and we felt that the team at Microsoft was really investing in the success of this innovation to enhance the Redlands online learning platform.”

- Christian Sellies, Director of ICT at Redlands School
Windows + Open Source

- Linux
- Apache
- PHP
- Java
- Firefox
- node
- SAMBA
- MySQL
- Moodle
- Hadoop
Play well with others
Listen to customers

- Maximizing existing IT investments
- Managing mixed IT environments

Open in the Cloud
Windows Azure

- Choose from multiple runtimes and languages for your applications: .NET, Node.js, Java and PHP
- Run Linux on Windows Azure Virtual Machines
- Support multiple frameworks and popular open source applications with Windows Azure Web Sites
- Utilize Hadoop services preview for Big Data needs
Windows Azure Virtual Machines

Supported Library Images:
Windows Server 2008 R2
Windows Server 2012
Windows Server 2008 R2 with SQL Server 2008 or 2012 (Available at GA)

Supported Library Images:
CentOS
openSUSE
SUSE Linux
Ubuntu
VM Depot
Open source VM Images
Community-driven

- Build
- Deploy
- Share

Virtual Machine Images

VM Depot—Find, deploy and share images for Windows Azure

VM Depot is a community-driven catalog of preconfigured operating systems, applications, and development stacks that can easily be deployed on Windows Azure. Find your favorite software and deploy it in minutes, or join the community, build a virtual machine image, and share it with others. Learn more.

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Sort by: Featured Date Added Name Platform Rating

Discourse 0.8.4-1 (Ubuntu 12.10)
Discourse powered by BitNami is a pre-configured, ready to run image for running Discourse on Windows Azure. Discourse is the 100% open source discussion platform with built in moderation and governance systems that let discussion communities protect themselves from trolls, spammers, and bad actors – even

Publisher
BitNami

Platform:
ubuntu

Packages: discourse postgresql redis ruby on rails

Tags: bitnami discourse forum
In Action
Video And Photograph Sharing Site

Deploy a photo and video sharing webapp

VM Depot
100% open source
Ubuntu
Coppermine

Just a few minutes work
Plus branding
Mixed IT using Azure Services

Windows Azure HD Insight (Apache Hadoop)

SQL Server 2012
Open Source Big Data and Microsoft SQL Server

Solution

Benefits
- Faster development
- Faster clinical responses
- Actionable insight into large volumes of data

“This will reinvent the way we work with medical records in the future.”

– Paul Henderson, Business Intelligence Division Head at Ascribe
We have changed as a company and have become more OPEN
“This initiative reiterates Microsoft’s commitment to working with various commercial entities and communities to drive interoperability work for the benefit of customers.”

-Sandy Gupta, General Manager, Open Solutions Group
Working with Communities

Recent Announcements

“We decided from the very beginning that we were going to open source the [Hyper-V] code under the BSD license. No strings attached. They were as eager as us to support the project, and then give the code away. How cool is that?”

-Joe CaraDonna, NetApp Technical Director of Core Operating Systems
דביר אגריר

המתווה הקוננסטנט העברי

ודעך תרגום גם תרגום לעברית,Clinton שברוך שמו, בברכת שמותיה של הקונספציה של מבית התר wida פז, יאמיג הרצות לשמה של הקונספציה של מבית התר פז. {}

Debian GNU/Linux

בברכת שמותיה של הקונספציה של מבית התר פז, יאמיג הרצות לשמה של הקונספציה של מבית התר פז. {}

Debian hebrew-common

כדי לתרום חוכמה בברכת, גם קולו של השם ברקע של המצלים יד קולו של השם ברקע של המצלים. {}

hebrew-debian

ടיזונו של המצלים זכר אף קולו של השם ברקע של המצלים. {}

בתרום חוכמה וברקע של המצלים, {}

eventing unstable

לטות ערך הקונספציה של מבית התר פז, {}

apt-get install user-herb hebrew-settings

עושה מיריעות של וישר שמטרים עניין, {}

eventing unstable
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ross.gardler@microsoft.com