Drupal on Windows Azure

How Commerce Guys succeeded with Microsoft Cloud

Ryszard Dałkowski
Open Source Strategy Lead
Microsoft, Poland

Drupal Camp Wrocław 2013

What the h... Microsoft is doing here?

The story so far...

Redefining:
The Mind Shift at Microsoft on OSS & Community

Play well with others

- Investing in standards
- Embracing open source
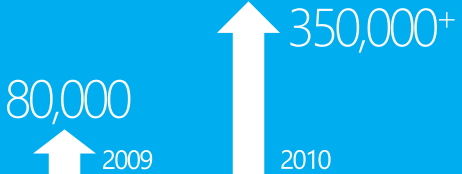- Enabling open source on our platforms

Listen to customers

Open in the Cloud

Microsoft + Open Source Momentum

In a single year, OSS apps on Windows grew by more than 400%

80,000 — 2009

350,000+ — 2010

CodePlex
Open Source Project Community

- 28,000 Open Source projects
- 300,000+ registered users

23 of the top 25 most downloaded OSS projects run on Windows

23/25

Microsoft WebMatrix

>2M downloads

Source: Geeknet

Microsoft + Linux

- Linux runs as a first-class guest on Windows Server Hyper-V
- Develop apps for both Linux and Windows (CoApp)
- Regular Samba cooperation
- Linux VM on Azure

"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 + PHP

- Impressive performance on Windows Server and Windows Azure
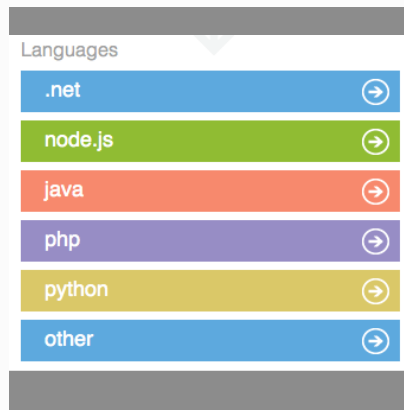- Open source community development of PHP on Windows right alongside Linux

"Between 2003 and 2012 we've seen the general opinion about Microsoft, Windows and PHP turn 180 degrees."

-René de Haas, SoHosted CEO

Microsoft + OSS Documentation

More Microsoft-produced OSS-related documentation than ever.

Languages
- .net
- node.js
- java
- php
- python
- other

- MSDN
- WindowsAzure.com
- Channel 9
- php.net
- TechNet Wiki
- Blogs
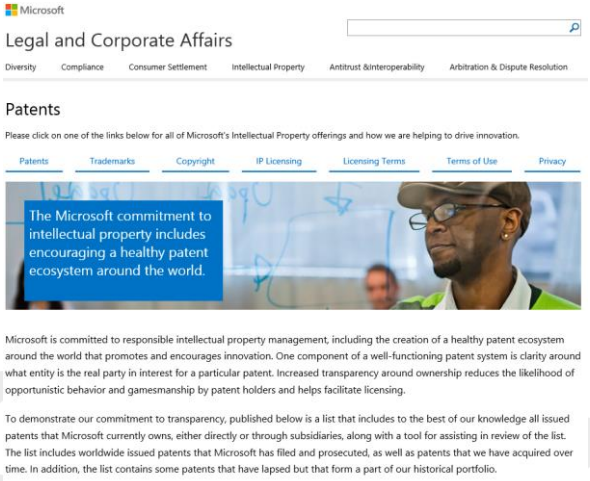 - interoperability
  - brian_swan
  - silverlining

Examples:
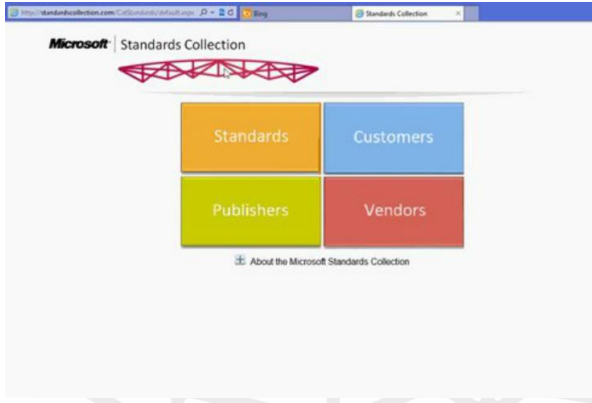- PHP at Scale on the Microsoft Platform
- Azure Real World: Migrating a Drupal Site from LAMP to Windows Azure

http://www.microsoft.com/openspecifications/

No more FUD - standards, patents, etc.

- Standards collection
  - http://standardscollection.com

- Patent tracker
  - http://bit.ly/17svVwQ

Worth to know

Commerce Guys cooperation example

Microsoft + Drupal

- Improved interoperability with Drupal to better manage web content
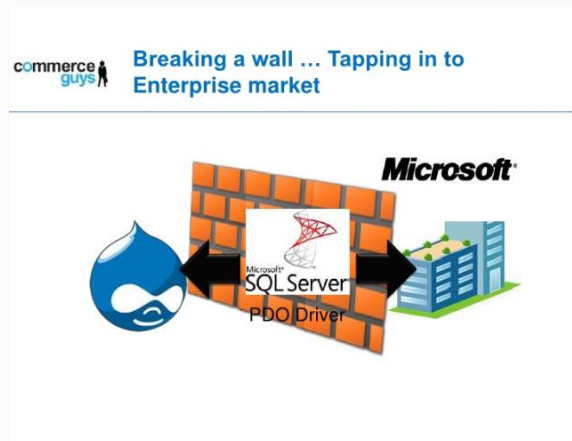- Drupal + Microsoft Health integration
- Drupal + OpenData

3 years ago:
„It's been 4 days since I started to try establishing Drupal on Azure. Up until now I haven't deployed Drupal in my Azure cloud."

- From MSDN forum

Breakpoint

- Drupal Con in San Francisco
  - Frédéric Plais, CEO, April 2010
- SQL Server driver
- Commerce Guys wins Microsoft's BizSpark Startup Contest in 2012
- Drupal in Microsoft Web Gallery

commerce guys **Breaking a wall … Tapping in to Enterprise market**

Microsoft

Microsoft SQL Server PDO Driver

Cooperation story with Drupal

2010
- SQL Server/Azure integration
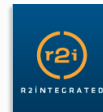- Zip files on drupal.org

2011
- Drush on Windows
- Drupal at Scale on Windows Training

2012
- WinCache and oData modules
- Continuous optimization

Customers need it

"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

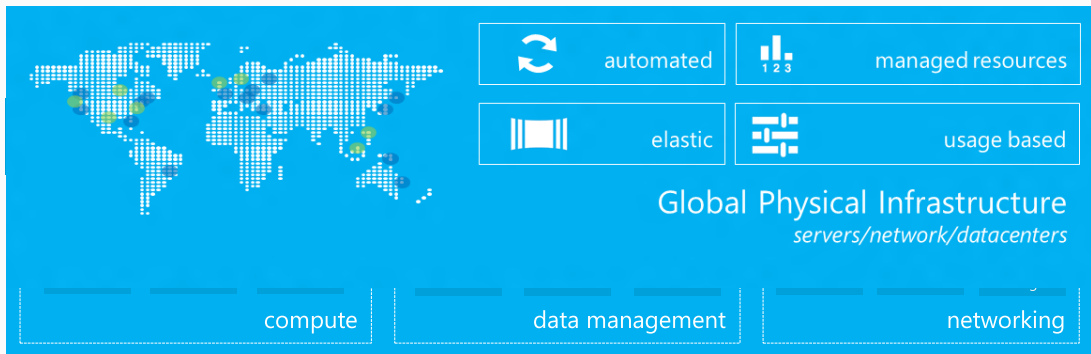# Infrastructure for your Drupal site

Windows Azure

Is it big enough for me?

Cloud means „software + services"

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

| automated | managed resources |
| elastic | usage based |

Global Physical Infrastructure
servers/network/datacenters

compute   data management   networking

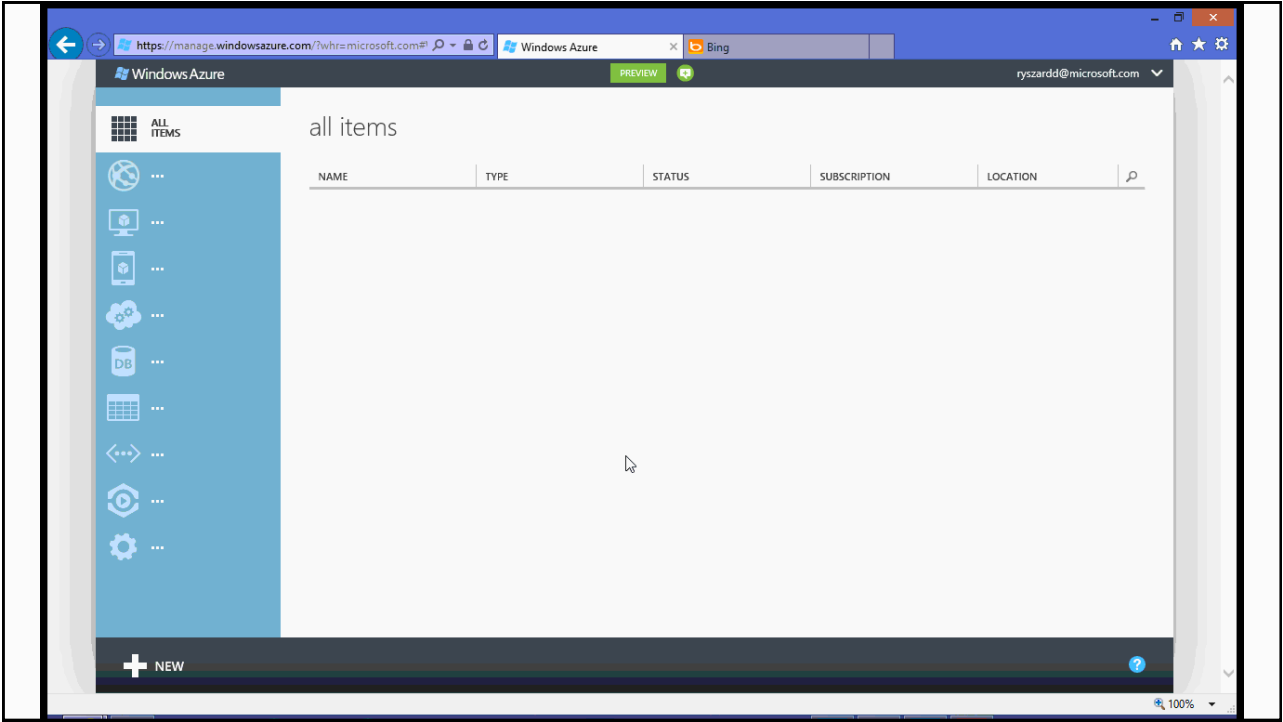# Windows Azure Virtual Machines

Supported Library Images:

Windows Server 2008 R2

Windows Server 2012

Windows Server 2008 R2 with SQL Server 2008 or 2012 (Available at GA)

Windows

Supported Library Images:

CentOS

openSUSE

SUSE Linux

Ubuntu

Linux

Does it really work?

- www.websecurity.pl
- www.przepisy.pl

Windows Azure Web Sites

Support for multiple frameworks (ASP.NET, PHP, Node.js)

Pick from popular OSS apps

Choose your database (SQL Azure, MySQL)

Select your tools
(Visual Studio, Git, FTP, WebMatrix)
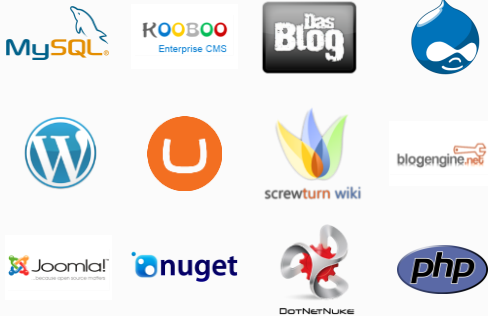
Build on any platform
(Windows, Mac, Linux)

Free developer tools

And some more free goodies

Microsoft WebPI and WebMatrix

- Build and deploy web sites quickly and easily with gallery of popular open source web applications
- Installs PHP and MySQL for necessary applications
- Utilizes NuGet to access community-driven ASP.NET resources

  www.microsoft.com/web

More of this...

- Try Windows Azure for free
  - 90 days trial period, limited performance, 12 months free WAWS
- Microsoft BizSpark
  - http://www.microsoft.com/bizspark
- WebSiteSpark
  - http://www.microsoft.com/web/websitespark/
- How about VMDepot
  - http://vmdepot.msopentech.com
- Open Data modules http://dev.govdata.eu/

Summary at the end?
Or it's just the beginning...

Inspired by **Microsoft**

- Microsoft BizSpark
- Microsoft WeSiteSpark
- Free trials
- Developer passes
- Contests and competitions
- And many more...

■■ Microsoft

Open to Feedback:
ryszard.dalkowski@microsoft.com

web: microsoft.com/openness
blog: openness@Microsoft

@T4ngram

Python
Apache
Ruby
PHP
Linux
Wordpress
MySQL
Samba
Drupal