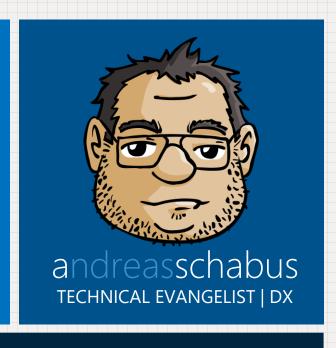
Azure State of the Union





Netflix closes data centers and goes to public cloud

14 August 2015By David Chernicoff

DatacenterDynamics | 14 August 2015

As it shuts its final data center, for Netflix it's all about the CDN!

Netflix will have moved completely to the public cloud this summer, when it shuts its last data center, according to reports.

The company began moving to Amazon's AWS after a major failure in its data center in 2008, and will now become one of the first major companies to move completely to the public cloud, according to an email sent to CIO Journal.

Customer facing cloud

WHAT IS CLOUDCOMPUTING?

CLOUD COMPUTING IN A NUTSHELL

Approach to computing

- Internet-Scale
- Connecting a variety of devices

Services based

- Run applications
- Provide services

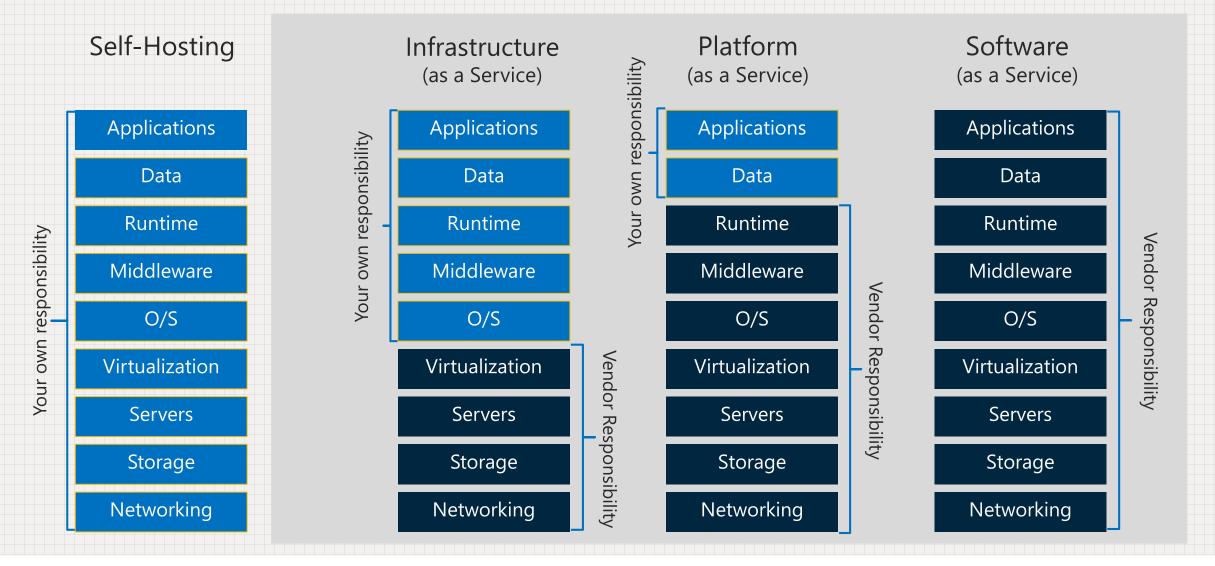
Like a utility

Similar to power

Characteristics

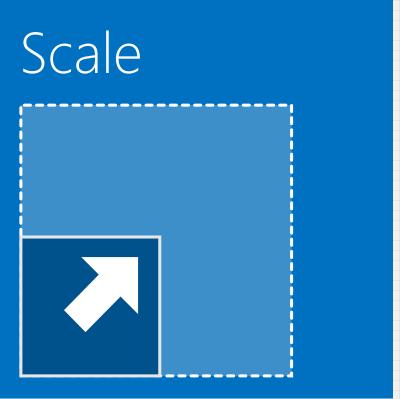
- Elastic / dynamic
- Scalable
- Measured (pay-per-use)

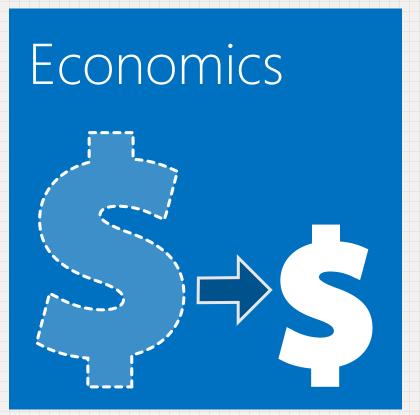
COMPUTING AS A SERVICE



WHY THE CLOUD?







WHERE CLOUD IS A VERY GOOD FIT

APPLICATION CHARACTERISTICS	EXAMPLES
Needs fast access to computing resources with no commitment	Marketing web sites, High-risk innovative apps
Requires massive or global scale	Consumer web applications
Has very spiky usage	Online ticket sales
Running the application on-premises raises security issues	Mobile applications
Customers don't want in-house IT	Start-ups, progressive businesses

MICROSOFT AZURE

"At our core...

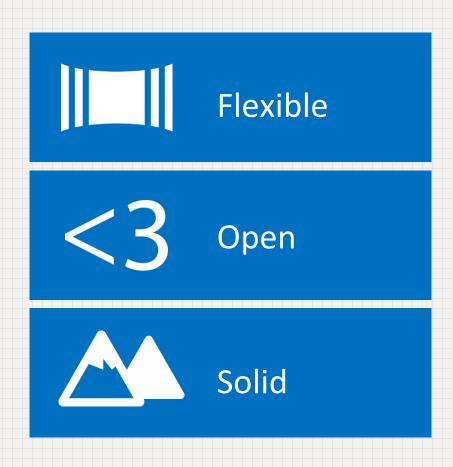
Microsoft is the productivity and platform company for the **mobile-first and cloud-first** world. We will reinvent productivity to empower every person and every organization on the planet to do more and achieve more."

—Satya Nadella, CEO



MICROSOFT AZURE

Comprehensive set of services that enable you to quickly build, deploy and manage applications across a global network of Microsoft-managed datacenters



IMPRESSIONS OF A DATACENTER



BACKED BY DEEP, CONTINUOUS INVESTMENTS

30 REGIONS WORLDWIDE, 22 GENERALLY AVAILABLE...



Platform Services

Web and Mobile

Security & Management















Compute









Remote App









Developer Services



Azure SDK



Data





AD Privileged Identity Management

Hybrid **Operations**

Azure AD
Connect Health





Operational Insights







Integration











Media & CDN



 \equiv

 \equiv



BLOB Storage

 \equiv

Content Delivery Network (CDN)

Analytics & IoT











 \equiv

SQL

F



Networking

 \equiv

Search Search

 \equiv

StorSimple

Infrastructure Services

Compute





 \equiv





Azure Files

 \equiv

 \equiv



 \equiv













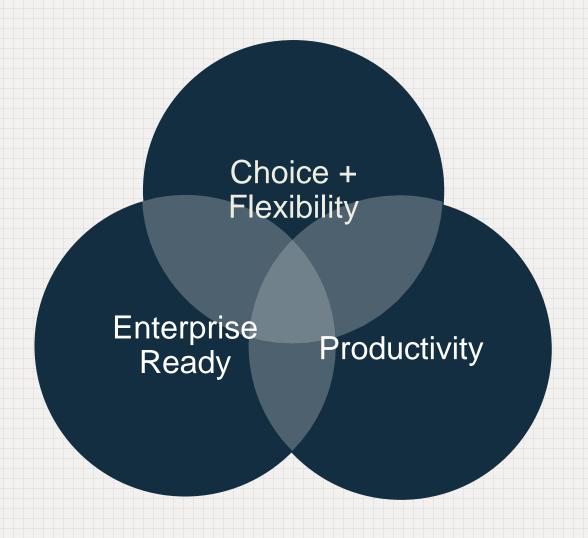
 \equiv



Datacenter Infrastructure (24 Regions, 19 Online)

 \equiv





AZURE MOMENTUM

>120k

NEW AZURE CUSTOMER SUBSCRIPTIONS/MONTH

>1.4Million

SQL DATABASES IN AZURE

2Trillion

MESSAGES PER WEEK
PROCESSED BY AZURE IOT

5Million

ORGANIZATIONS USING AZURE ACTIVE DIRECTORY

>4Million

DEVELOPER REGISTERED WITH VISUAL STUDIO TEAM SERVICES

>40%

REVENUE FROM START-UPS AND ISVS

Platform Services

Web and Mobile



 \equiv

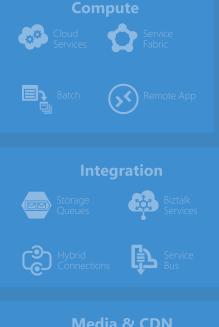
 \equiv

 \equiv

 \equiv

■











 \equiv

 \equiv

 \equiv

 \equiv

 \equiv

Infrastructure Services



Datacenter Infrastructure (24 Regions, 19 Online)

Platform Services

















VM Image Gallery & VM Depot

Compute









Web and Mobile











Developer Services







Data



AD Privileged Identity Management

Hybrid **Operations**

Azure AD
Connect Health





Operational Insights











Analytics & IoT



Integration











Media & CDN



 \equiv

 \equiv



BLOB Storage

Content Delivery Network (CDN)



Machine Learning



F







Infrastructure Services

Compute

 \equiv





 \equiv





 \equiv

■









 \equiv





 \equiv

=

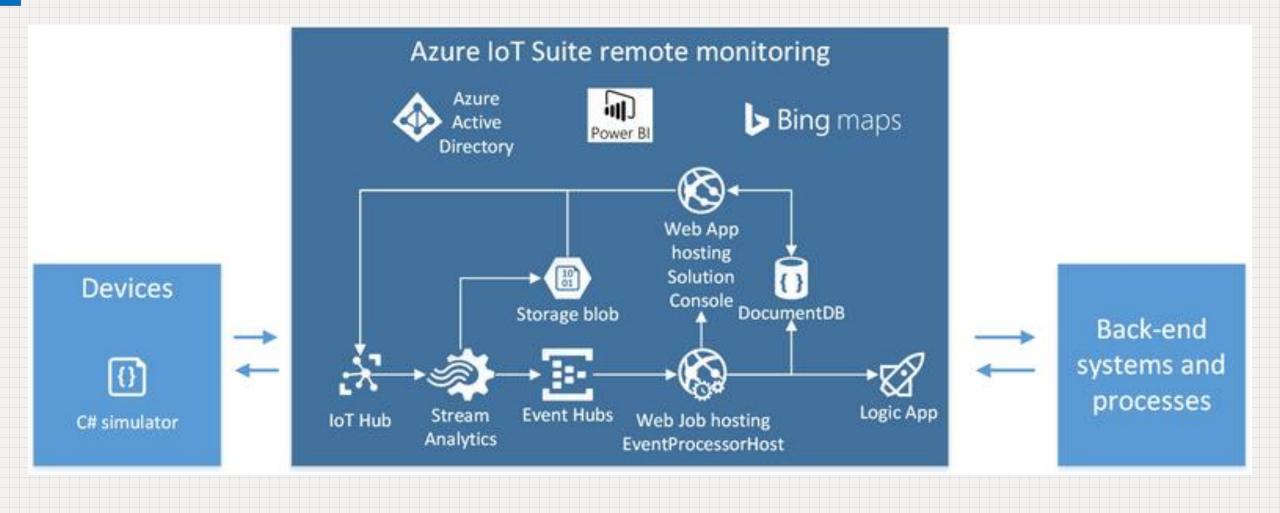


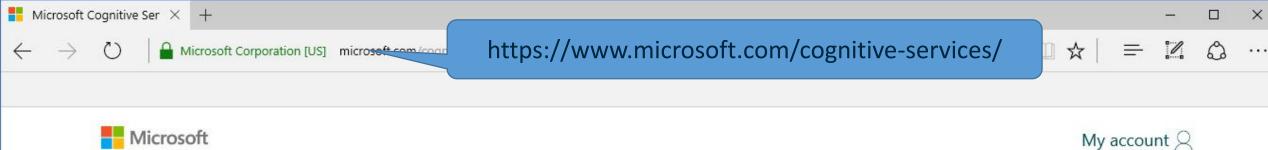


Datacenter Infrastructure (24 Regions, 19 Online)

 \equiv

SOLUTION ARCHITECTURE USING AZURE





Microsoft Cognitive Services

Home APIs V Applications Developers > Pricing

Give your apps a human side

Knock down barriers between you and your ideas. Enable natural and contextual interaction with tools that augment users' experiences via the power of machine-based AI. Plug them in and bring your ideas to life.

Get started for free today



SUMMARY

Platform Services

Web and Mobile

Security & Management















Compute









Remote App









Developer Services



Azure SDK



Data





AD Privileged Identity Management

Hybrid **Operations**

Azure AD
Connect Health





Operational Insights







Integration











Media & CDN



 \equiv

 \equiv



BLOB Storage

 \equiv

Content Delivery Network (CDN)

Analytics & IoT











SQL

F



Networking

 \equiv

Search Search

StorSimple

Infrastructure Services

Compute





 \equiv





 \equiv

 \equiv

Azure Files Premium Storage

 \equiv













 \equiv



 \equiv



Datacenter Infrastructure (24 Regions, 19 Online)

 \equiv

MICROSOFT BIZSPARK

Microsoft BizSpark is a global program that provides free software, support and visibility to help startups succeed. Over **100,000 Startups** from **165+ countries** have joined BizSpark. The three year program is free of charge and gives startups:

Software

Three year access to current, full-featured software development tools

\$150 of monthly *Microsoft*Azure benefits to quickly build, deploy and manage web applications

Free access to Windows and Windows Phone Developer Accounts

Support

Professional technical and product support

Unique and valuable offers from the BizSpark Network Partners to help run your business

Two free MSDN Support Incidents.

Visibility

Profile, Offers and Events

A connection to the BizSpark ecosystem, giving startups access to investors, advisors and mentors

Opportunities to achieve marketing visibility

Eligibility

To qualify, startups must be:

- Developing Software
- Privately held and generating less
 than US \$1M in revenue per year
- Less than 5 years old

www.microsoft.com/bizspark



Microsoft Virtual Academy

(www.microsoftvirtualacademy.com)

Free Microsoft Training Delivered by Experts

Just an Outline of What's Available...

Windows 10 for Enterprise

Windows 10 Technical Preview Fundamentals for IT Pros (http://www.microsoftvirtualacademy.com/liveevents/windows-10-technical-preview-fundamentals-for-it-pros)

Protecting information using Azure RMS

DevOps: An IT Pro Guide (http://www.microsoftvirtualacademy.com/training-courses/devops-an-it-pro-guide)

Azure laaS and PaaS – What's in for you?

Microsoft Azure IaaS Deep Dive Jump Start (http://www.microsoftvirtualacademy.com/training-courses/windows-azure-iaas-deep-dive-jump-start)

Diagnosing issues in production using Visual Studio 2013

DevOps - Visual Studio Release Management Jump Start (http://www.microsoftvirtualacademy.com/training-courses/devops-visual-studio-release-management-jump-start)

Dev/Test Scenarios in the DevOps World (http://www.microsoftvirtualacademy.com/training-courses/dev-test-scenarios-in-the-devops-world)

Windows Phone Security (Platform, WLAN, Certificate Management)

Enterprise Mobility Immersion V3.1 (http://www.microsoftvirtualacademy.com/training-courses/enterprise-mobility-immersion-v3-1)

Azure Machine Learning - Data Science in the Cloud

Mobile Apps to IoT: Connected Devices with Windows Azure (http://www.microsoftvirtualacademy.com/training-courses/mobile-apps-to-iot-connected-devices-with-windows-azure)

Health index of your PKI

Windows Server 2012 R2 Implementing a Basic PKI (http://www.microsoftvirtualacademy.com/training-courses/windows-server-2012-r2-implementing-a-basic-pki)

Microsoft Azure Websites - State of the union

Windows Azure Web Sites - Deep Dive Jump Start (http://www.microsoftvirtualacademy.com/training-courses/windows-azure-web-sites-deep-dive-jump-start)

The present and future of .NET in a world of devices and services

Enterprise Developer Camp Jump Start (http://www.microsoftvirtualacademy.com/training-courses/enterprise-developer-camp-jump-start)



© 2016 Microsoft Corporation. All rights reserved. Microsoft, Windows, and other product names are or may be registered trademarks and/or trademarks in the U.S. and/or other countries.

The information herein is for informational purposes only and represents the current view of Microsoft Corporation as of the date of this presentation. Because Microsoft must respond to changing market conditions, it should not be interpreted to be a commitment on the part of Microsoft, and Microsoft cannot guarantee the accuracy of any information provided after the date of this presentation. MICROSOFT MAKES NO WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, AS TO THE INFORMATION IN THIS PRESENTATION.