

Windows Azure and Office 365 Overview

The Move to the Cloud

Igor Macori

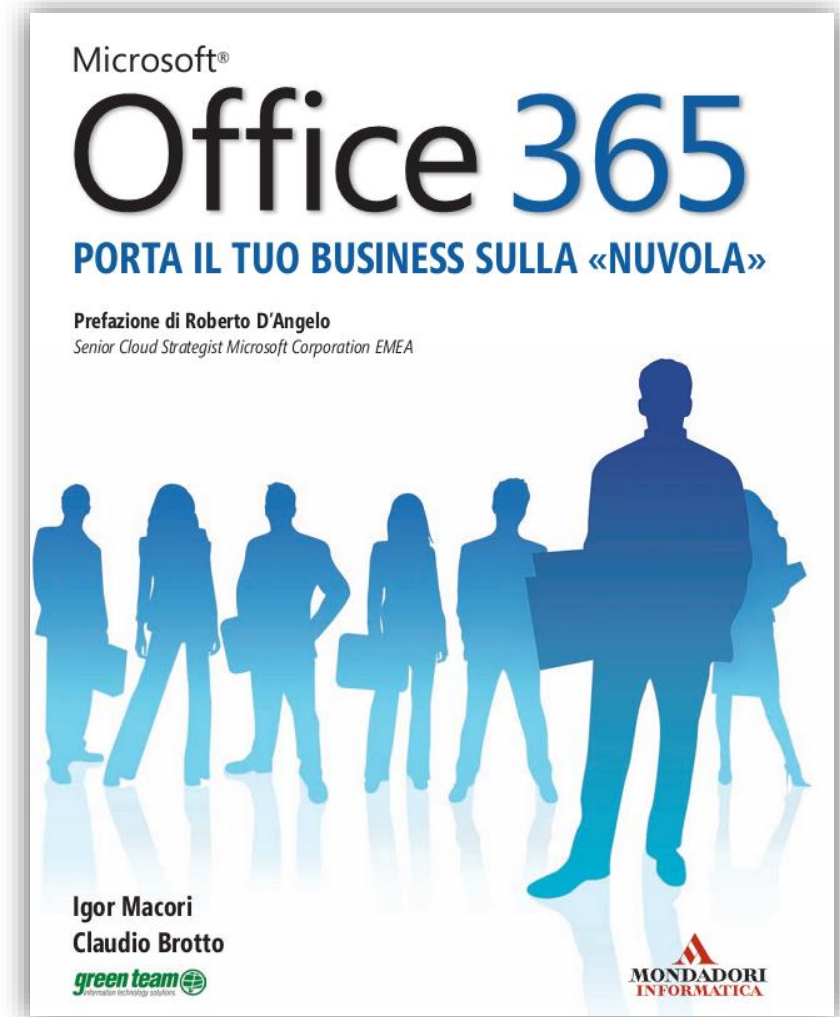
Consulting Manager | Green Team

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Benvenuti!

- Green Team è Microsoft Partner con elevate competenze per i progetti che ruotano attorno al mondo di SharePoint.
- Siamo nati nel 1991 a Bologna.
- Facciamo progetti con SharePoint sin dalla prima versione Beta del 2001.
- Lavoriamo con Office 365 dalla versione Beta.
- Tutti il nostro staff è pluri-certificato e premiato (due SharePoint MVP).
- I nostri esperti hanno scritto il primo libro su Office 365 pubblicato in Italia.





Trends impacting the way we work

Devices



1 billion

smartphones by 2016,
350M of those being
used at work

People



82%

of the world's online
population engages in
social networking

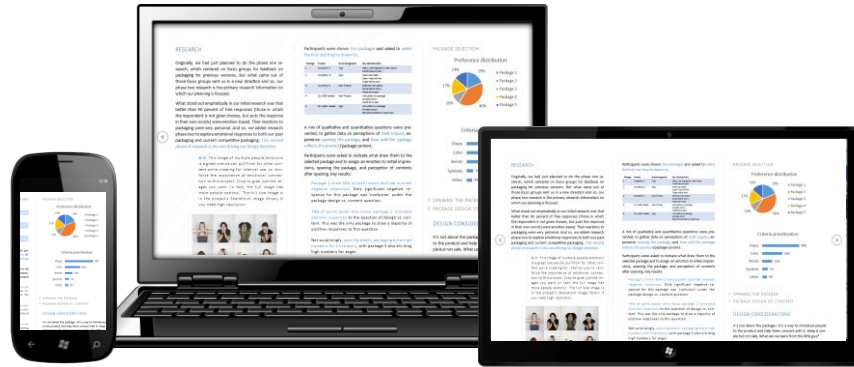
Cloud



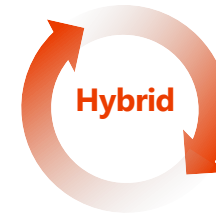
50%

of enterprise customers
are "**on the road**" to
cloud

Microsoft's productivity vision



On Premises



Online

Best experience across devices

Cloud on your terms

Messaging

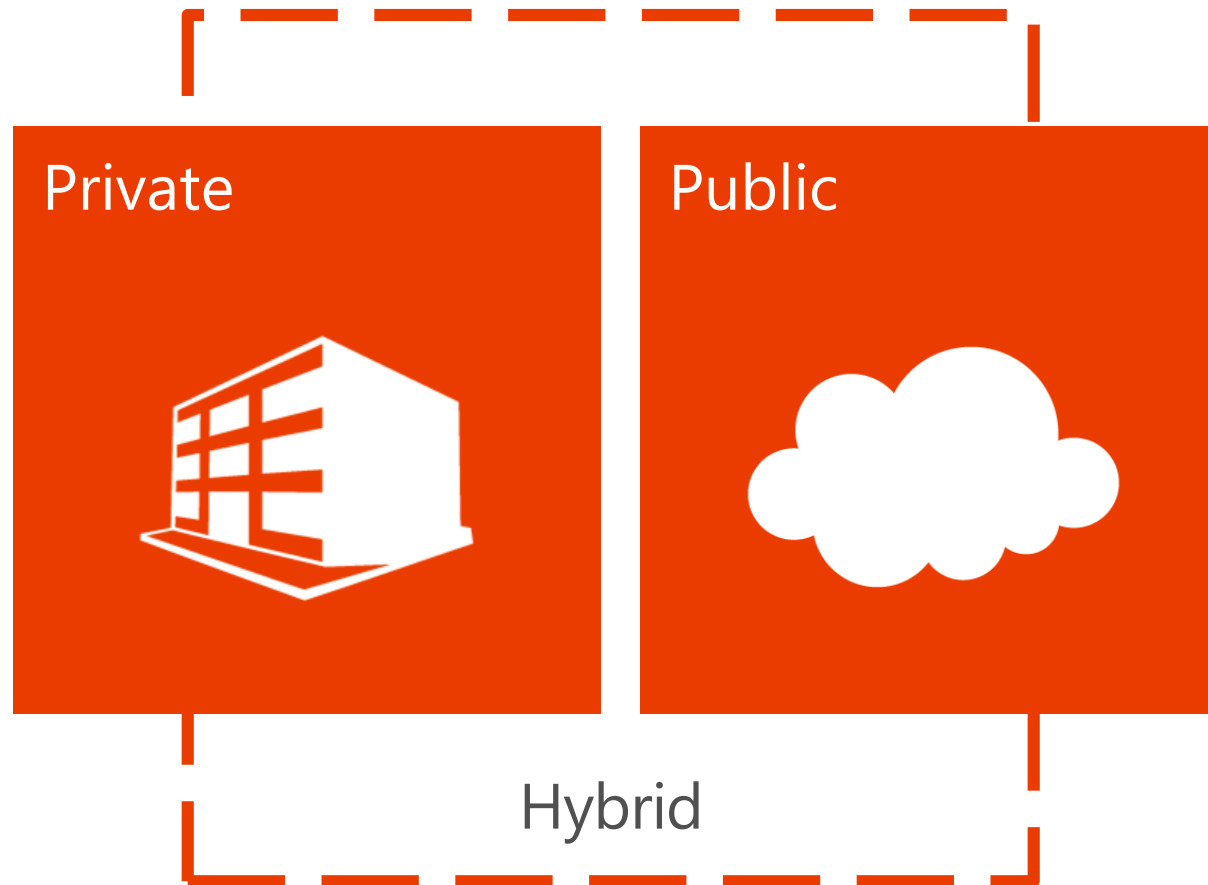
Voice
& Video

Content
Management

Enterprise
Social

Reporting
& Analytics

How Microsoft Defines Cloud



Cloud Drivers

Improved
agility



Better
economics



Growing
expectations



FUJITSU

ESSAR⁺
POSITIVE ACTION


.....
GENERAL MILLS

Cloud Obstacles

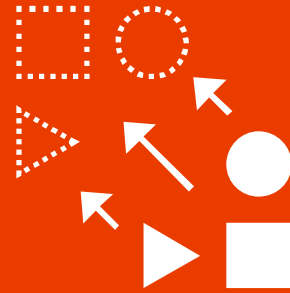
How safe are my apps and data in the cloud?

Will the cloud increase my regulatory risk?

How can I justify moving to the cloud?



Security



Compliance



Compatibility

Why Hybrid Cloud?

Embrace the
right IT for
your business...



and make more
of your existing
investments...



...to delight users
with the best
experiences.



Helping You Cloud Optimize Your Business

Our broad and deep array of solutions enables you to use the cloud in your own way, at your own pace.

Public

 Microsoft Office 365

 Windows Azure™

Common
technologies

Identity ▪ Virtualization ▪ Management ▪ Development

Private

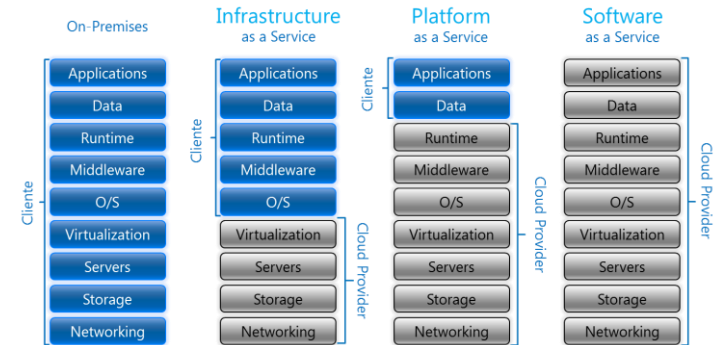
 Microsoft Office

 Windows Server™

 Microsoft System Center

What is Office 365?

- Microsoft Office 365 is a *cloud* service, the evolution of Microsoft BPOS, it's a *SaaS*.
- Pillars of Office 365 offer:
 - Microsoft Exchange Online
 - Microsoft Lync Online
 - Microsoft SharePoint Online
 - Microsoft Office Web Apps
 - Microsoft Office Professional Plus
 - [Microsoft Project Online]
- You can buy Online, directly or through a Microsoft Partner.
- *Cloud Dividend report*, from the *Centre for Economics & Business Research (CEBR)*, in 2010-2015:
 - in Europe: 2.3M+ new employees,
 - 763B of Euros (51B in Italy).



• Fonte: <http://emea.emc.com/microsites/2011/cloud-dividend/cloud-dividend-report.pdf>

Microsoft Datacenter Scale

Microsoft has more than 10 and less than 100 DCs worldwide

- \$2.3B invested in cloud infrastructure
- Geo-replicated customer data
- 99.9% uptime for Office 365
- Financially-backed uptime guarantees
- SAS 70 and ISO 27001 compliant
- Carbon footprint innovation



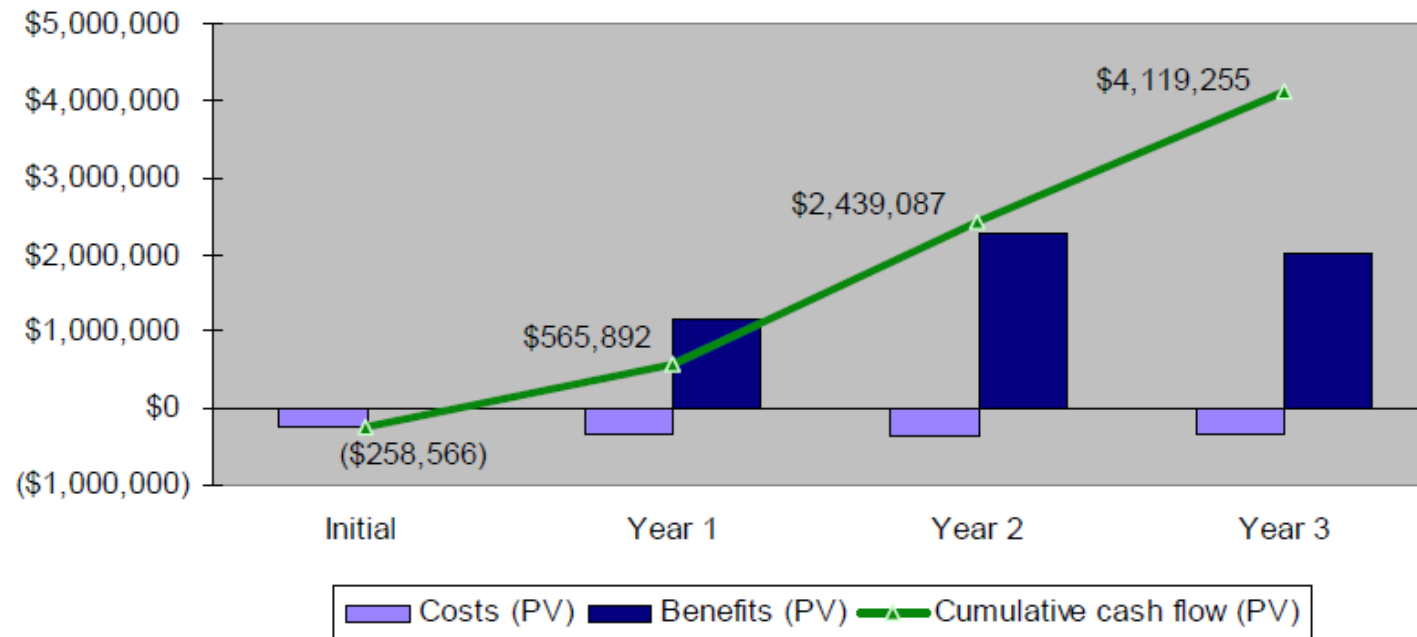
Datacenter Tour: <http://www.youtube.com/watch?v=hOxA1l1pQlw>

The Total Economic Impact Of Microsoft Office 365

A commissioned study conducted by Forrester Consulting prepared For Microsoft

Figure 1

Composite Organization Three-Year Risk-Adjusted Cumulative Cash Flow



Source: Forrester Research, Inc.

Benefits

- Eliminated hardware
- Eliminated third party software
- Web conferencing savings
- Teleconferencing savings
- Avoided on premises implementation labor
- Reduced IT support effort
- Reduced travel costs and corresponding CO2 emissions
- Knowledge worker productivity gain
- Mobile worker incremental productivity gain
- Improved/latest functionality and ease of upgrade
- Better user experience
- Improved IT security
- Improved archiving and compliance
- Improved availability and disaster recovery
- Enabled mixed on premises/cloud hybrid solutions

Office 365 Demo

Streaming Office apps

New simplified way to
install Office apps

Rich Office experience
quickly on any Windows 7
or newer PC

Can run side by side with
older versions of Office

Install in up to 5 computers
with Office 365 ProPlus

Office 365

Outlook Calendar People Newsfeed SkyDrive Sites ... John

software

Office desktop apps

Lync

tools and add-ins

desktop setup

Office desktop apps

Install the latest version of Office

This will install the latest version of the following Office applications: Word, Outlook, PowerPoint, Publisher, SharePoint Workspace

Language:

English (United States)

Note: Installing additional languages on your PC may require additional space and may affect your install limit (5).

[Review system requirements](#)

[install](#)

To view a list of updated computer installs, [refresh](#) the page. It may take a few minutes for your updated installs to appear.

10% - Streaming application features...

Microsoft ©2012 Microsoft Corporation Legal | Privacy

The new Office apps are instantly
streamed to your PC

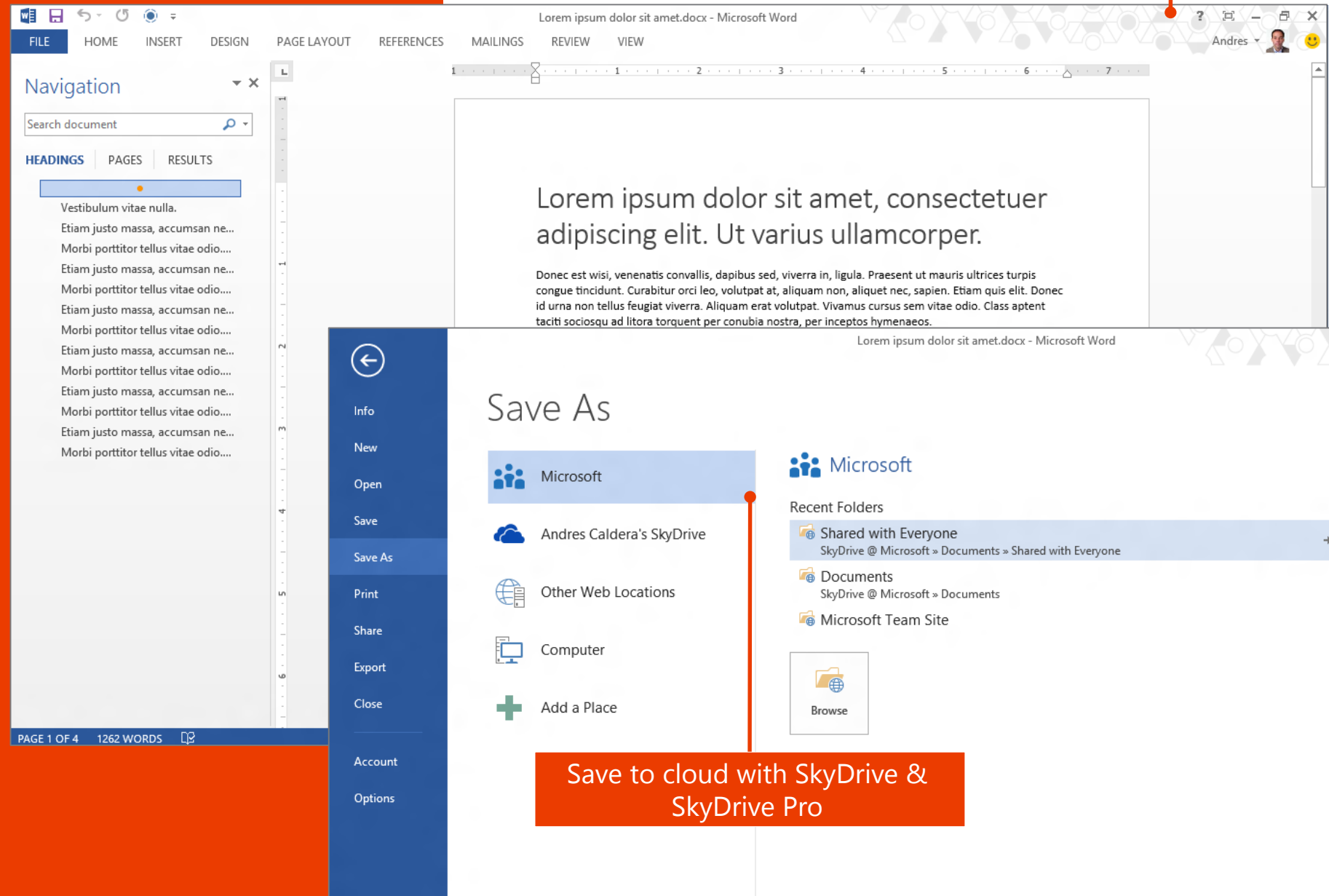
Roaming Office

Office is always logged-in

Knows your settings and where you left off

Saves to cloud by default with SkyDrive & SkyDrive Pro

Sign-in to Office



Save to cloud with SkyDrive & SkyDrive Pro

New Cloud App Model

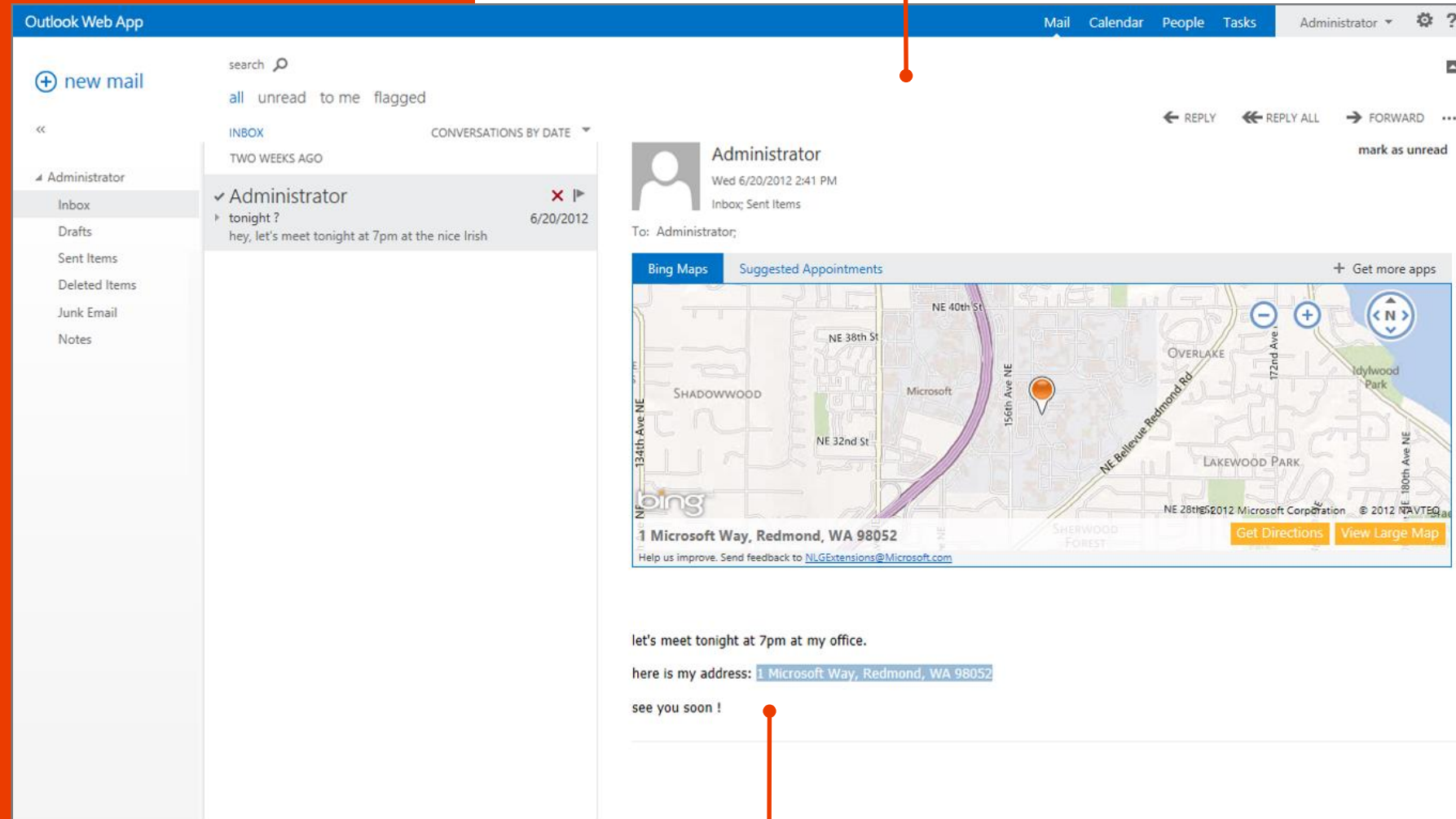
Develop apps for Office & SharePoint with HTML/CSS, JavaScript or PHP

Hosted in the cloud with minimum device footprint

Roam with your data & settings

Distribute & manage with IT app catalog (or public Office Store)

Work across Office apps and Office Web Apps

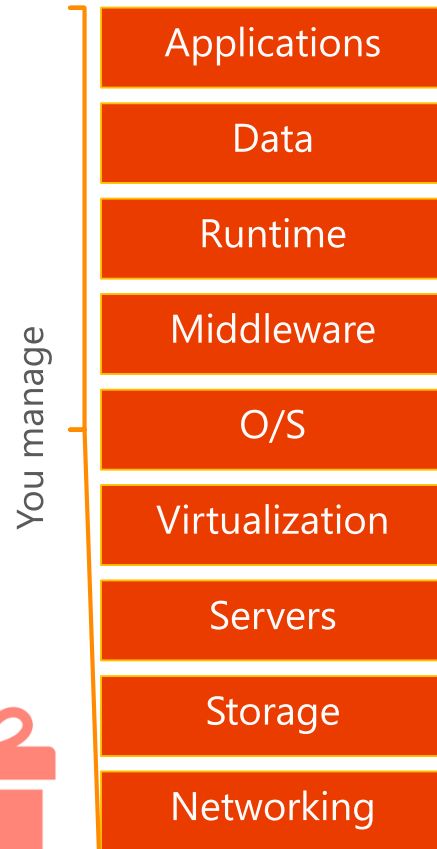


The Bing Maps app detects and address in the email and maps the location

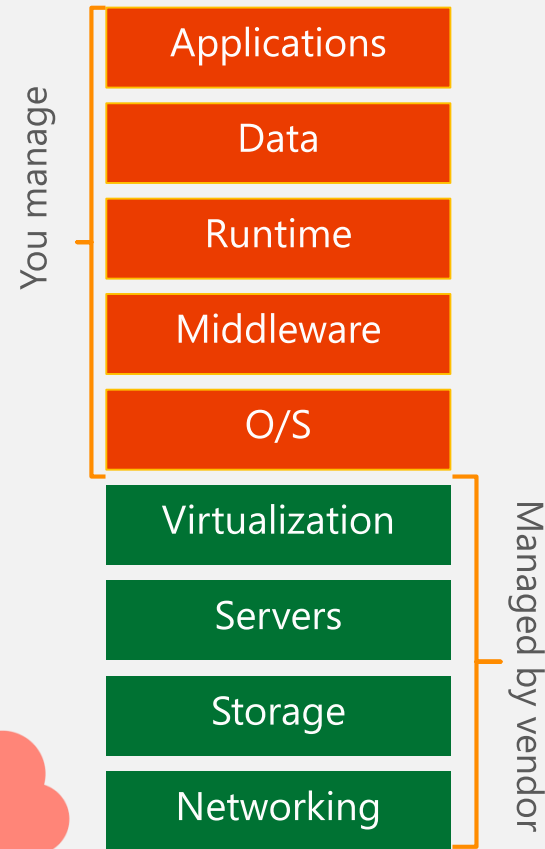
Exploring Windows Azure

Packaged and Cloud Patterns

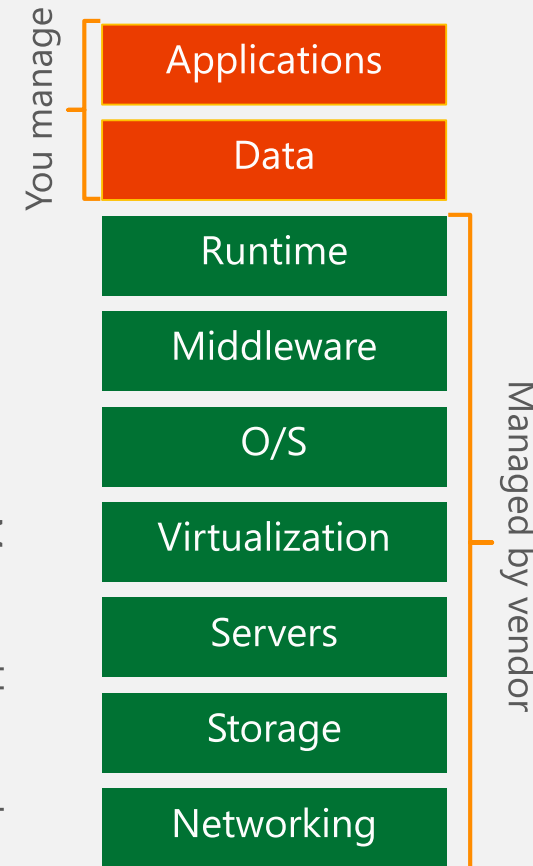
Packaged Software



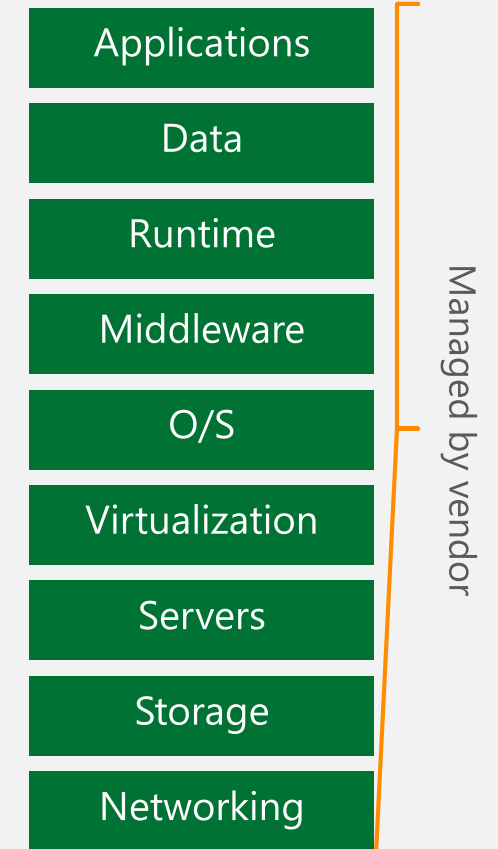
Infrastructure (as a Service)



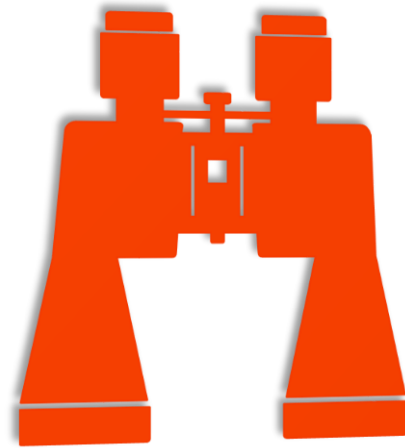
Platform (as a Service)



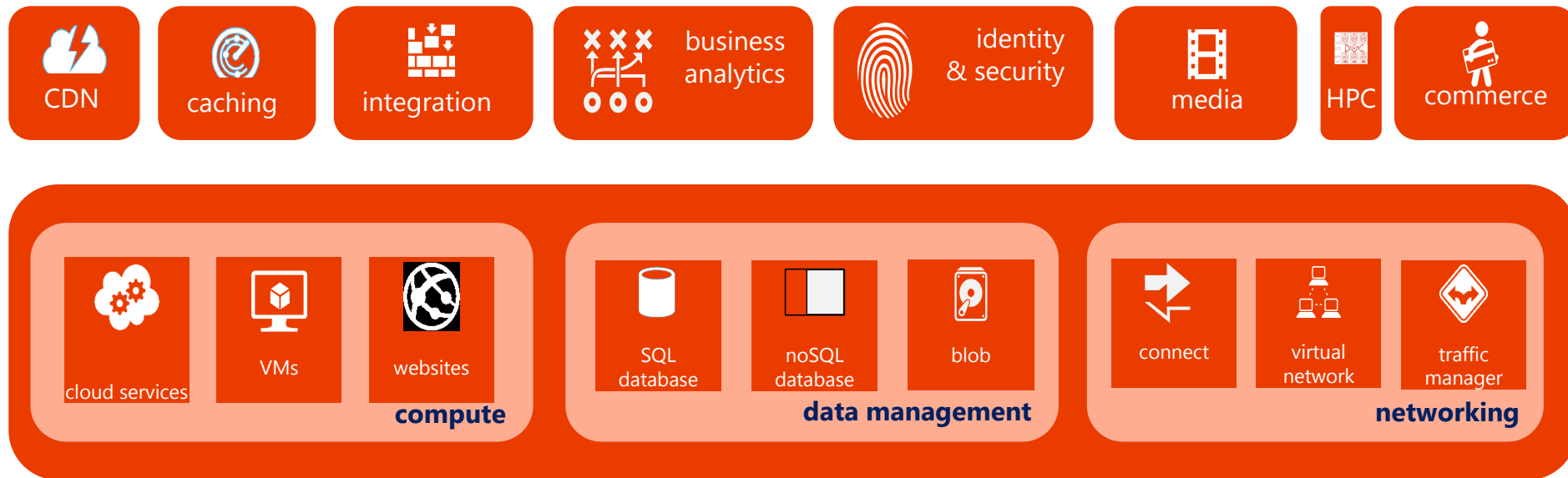
Software (as a Service)



Windows Azure Overview



Windows Azure Overview



Windowsazure.com – trial – Windows Azure calculator

DEMO

Windows Azure Websites

Custom web sites or pre-configured templates

Free of charge up to 10 websites

Free/Shared/Reserved instances

Ease to manage and to scale

Online updates

Capabilities	WebSites
Access to services like Caching, Service Bus, Storage, SQL Database	✓
Supports ASP.NET, classic ASP, Node.js, PHP	✓
Shared content and configuration	✓
GIT, FTP, TFS	✓
Deploy live in seconds	✓
Integrated MySQL as a service support	✓

Windows Azure Cloud Services

A container of WebRoles and WorkerRoles

Use Role programming model

Target PaaS development

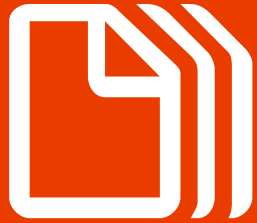
One-Click Deployment from Visual Studio

From simple to very advanced scenarios

Advanced administration using Remote Desktop

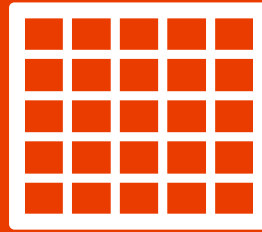


Windows Azure Storage



Blobs

Simple named files along with metadata for the file.



Tables

Structured storage. A table is a set of entities; an entity is a set of properties.



Queues

Reliable storage and delivery of messages for an application.

Windows Azure Virtual Machines

Persistent storage

Line of Business Applications

Application Infrastructure

Hybrid-cloud solutions

Windows and Linux

Gallery

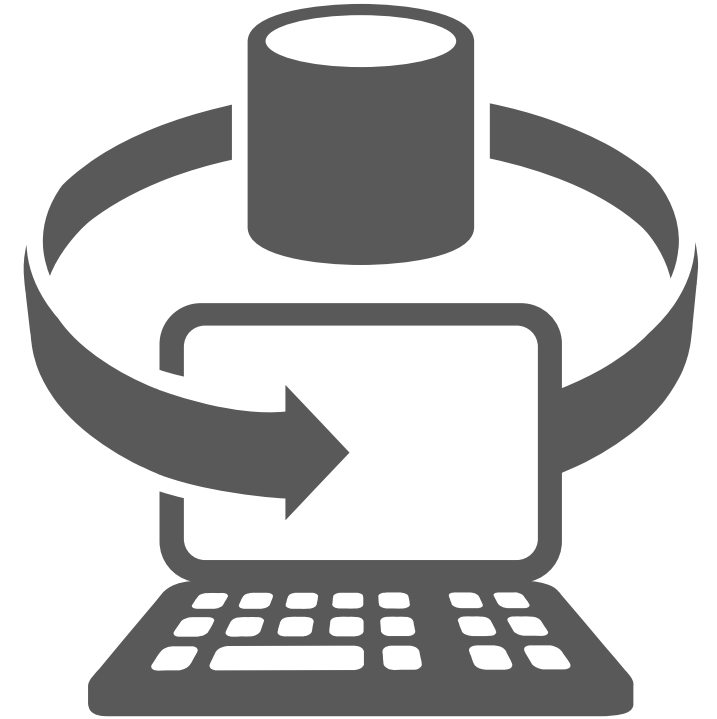
Networks and VPN

Leverages storage

Capabilities	
Types of instances	5
Maximum OS Size Disk	127GB
Maximum Data Disks per instance	16
Maximum Data Disk Size	1TB
Data disks : Add/Remove and change cache without reboot	✓
Persistent storage	✓
Maximum number of cores	8
Maximum RAM	14

Windows Azure SQL Database

- SQL Server relational database model delivered as a service
 - Support for existing APIs & tools
 - Built for the cloud with high availability & fault tolerance
 - Easily provision and manage databases across multiple datacenters
- SQL Azure provides logical server
 - Gateway server that understands TDS protocol
 - Looks like SQL Server to TDS Client
 - Actual data stored on multiple backend data nodes



References

- Windows Azure Portal
 - <http://www.windowsazure.com>
- Windows Azure free trial
 - <http://www.windowsazure.com/en-us/pricing/free-trial/>
- Windows Azure Calculator
 - <http://www.windowsazure.com/en-us/pricing/calculator/>
- Windows Azure Training kit
 - <http://www.microsoft.com/en-us/download/details.aspx?id=8396>

Grazie per l'attenzione!

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