A look ahead…

Cloud Computing Technology

Microsoft

Evangelos Hadjichristodoulou

Consumer Cloud Services

The Modern User is Enabled

"Let me use my phone, my PC, and my favorite tools"

- write applications to span device types
- secure the data, not the device
- provide guidelines for social networks

The Modern User is Mobile

"Let me work where I want, when I want"

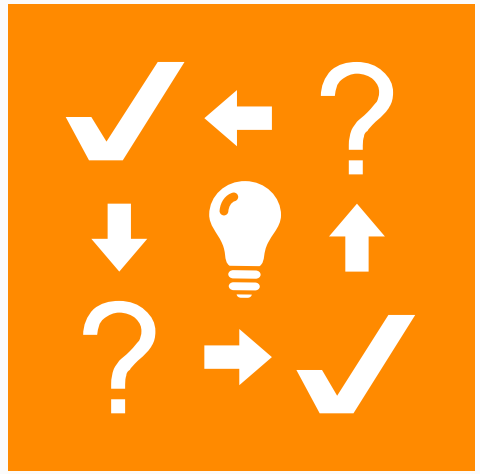
- support virtual presence
- provide safe connections to corporate resources

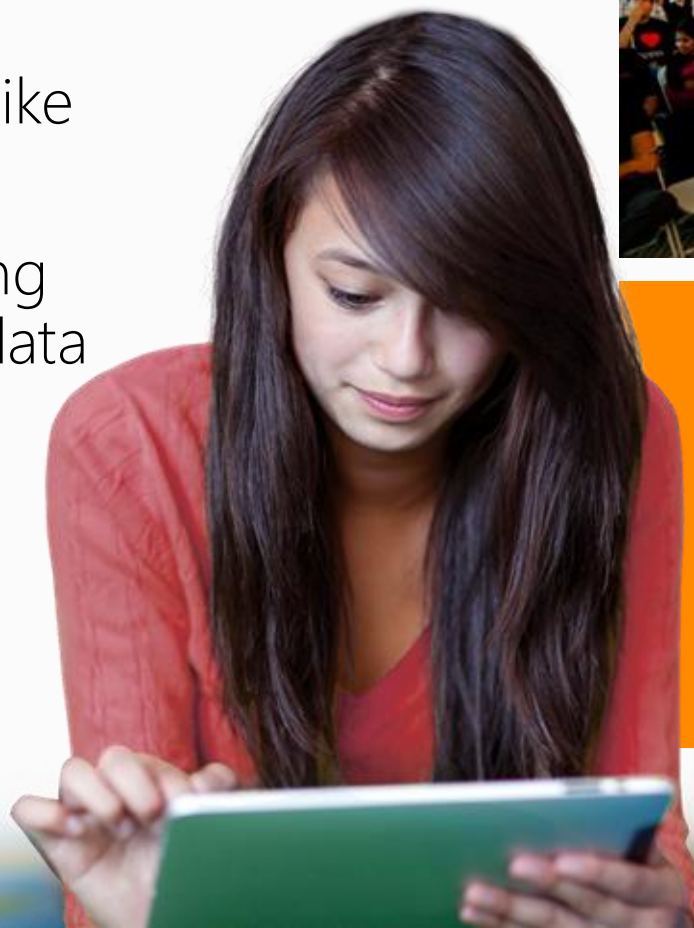
The Modern User is Demanding

"Give me more!"

deliver compelling, always-on, consumer-like experiences

provide tools for getting answers, not just raw data



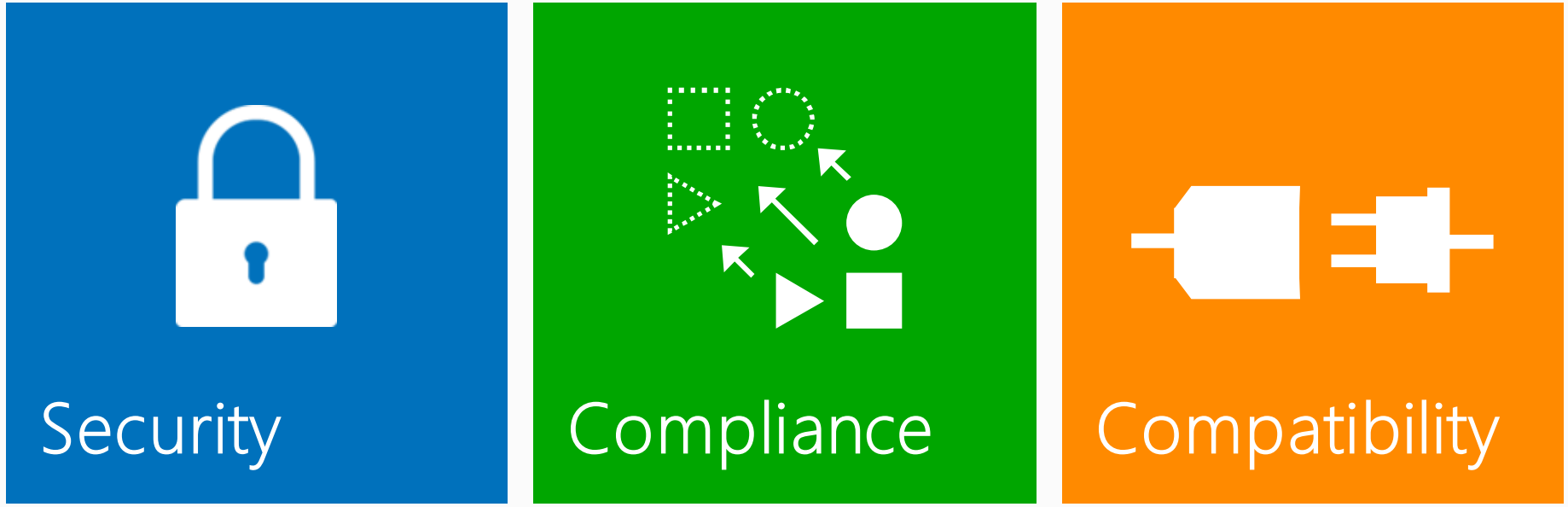


Aim for the Cloud

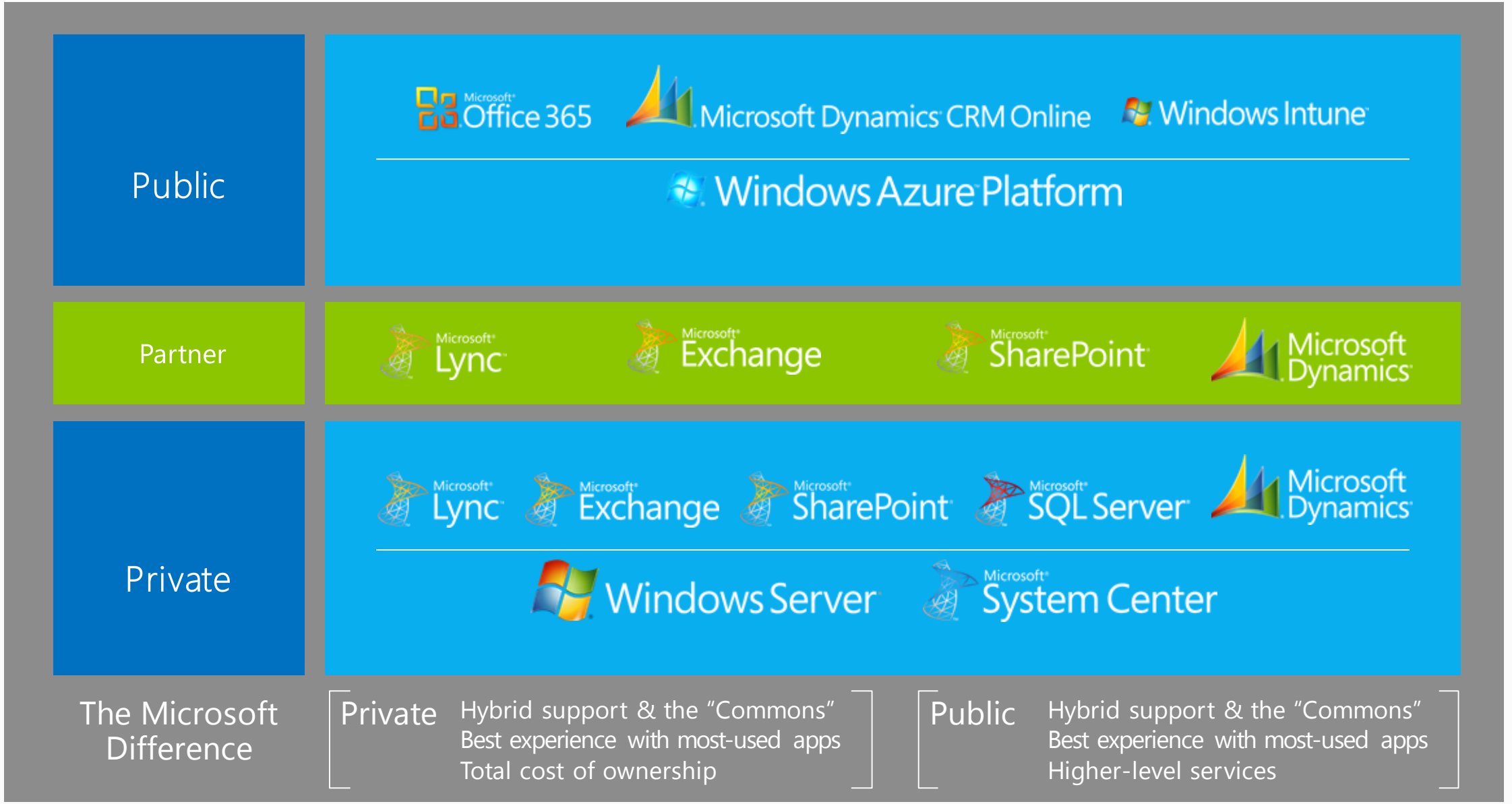
it's where the ball is going to be

Cloud Drivers

Cloud Considerations



Deliver Best-in-Class Hybrid Cloud



Microsoft Cloud Datacenters

Investments

- $2.3B+ in cloud infrastructure
- 200+ services, delivered 24x7
- Geo-distributed datacenters
- Rapid modular model
- 30,000+ engineers involved in cloud-based activities
- 2,000+ people in cloud infrastructure engineering & operations

Operational Excellence

- Federated operations centers 24x7
- Standardized cost reporting
- Secure, compliant infrastructure
- FISMA certified, SAS 70 & ISO 27001 compliant
- Carbon footprint reduction
- 99.9% uptime, financially-backed SLAs

Where is the Cloud?











Datacenters Evolution

Datacenter Colocation
Generation 1

2005

Server

Capacity
~2 PUE

San Antonio & Quincy
Generation 2

2006 2007

Rack

Density and Deployment
1.4 – 1.6 PUE

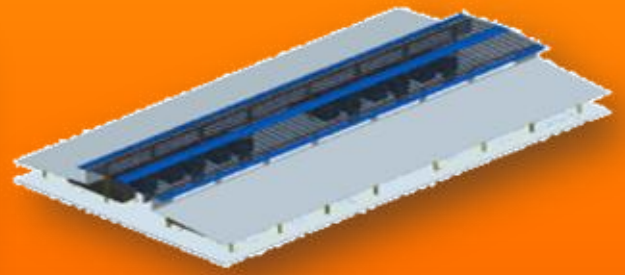
Chicago & Dublin
Generation 3

2008

Containers & Pods

Scalability and
Sustainability
1.2-1.5 PUE

Modular Datacenter
Generation 4



2009 2010+

DEPLOYMENT SCALE UNIT

EFFICIENT RESOURCE USAGE

ITPAC

Faster Time to Market
Reduced Carbon
1.05-1.15 PUE