



# Felhő technológia Trendek 2014

VMware Forum

**Bolla Szilárd**

Cloud Computing – Üzletfejlesztési vezető, Kelet Európa

2013 November 19.

# Gartner Top 10 Technology Trends for 2014

1. **BYOD - Mobile Device Diversity and Management**
2. **Mobile Applications**
3. **The Internet of Everything**
4. **Hybrid Cloud and IT as Service Broker**
5. **Cloud/Client Architecture**
6. **The Era of Personal Cloud**
7. **Software Defined Anything**
8. **Web-Scale IT**
9. **Smart Machines**
10. **3-D Printing**



Cloud Technologies



Technologies directly related to Cloud

<http://www.gartner.com/newsroom/id/2603623>





# Mobility

2011 végén ...



**6 000 000 000** mobil előfizetés



Amely **87%** a teljes lakosság számának

Érdekességképpen a 3 hónap alatt app letöltések száma...



**13 400 000 000** app letöltés



**\$2.2 billion** bevétel

A Mobil technológia ciklikussága **rövidebb** mint a hagyományos IT delivery...

2007 óta... ■

**420**  mobile eszköz és **156**  tablet



**29**  OS verzió

**15**  OS verzió

Csak **31%** teszteli átfogóan az applikációkat

**Még rosszabb...** ■



Ezek **65%** -ának nincs megfelelő tesz környezete!

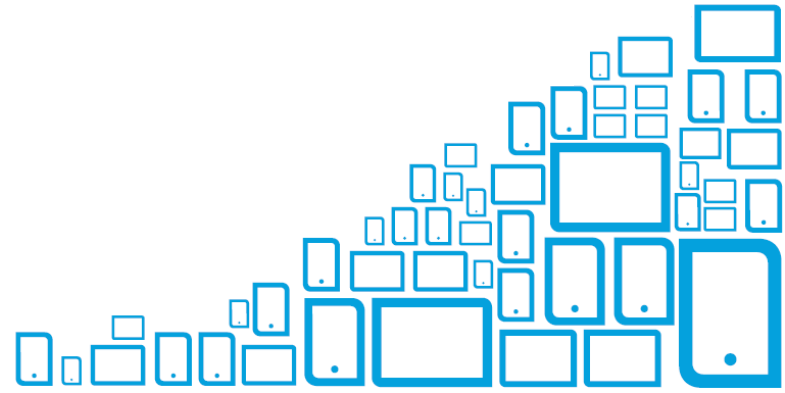
Folyamatosan változó, kiszámíthatatlan világunkban, a misszió:



**INSTANT** és folyamatos **INNOVÁCIÓ** biztosítása

A **WOW** effekt eléréséhez





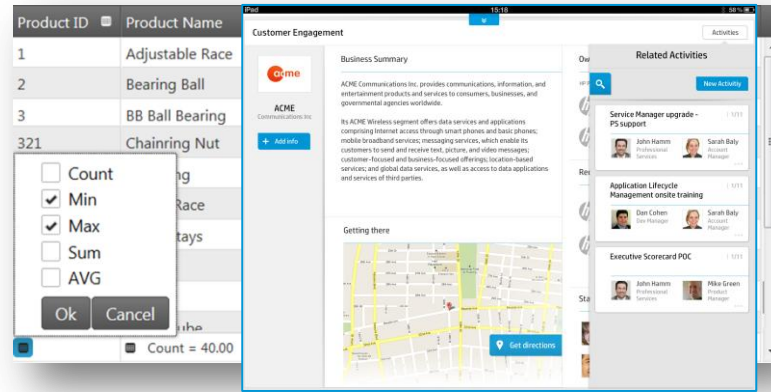
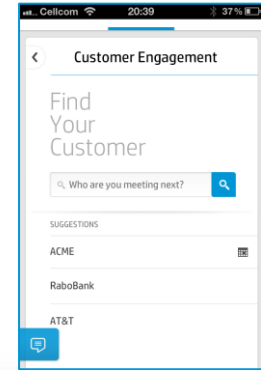
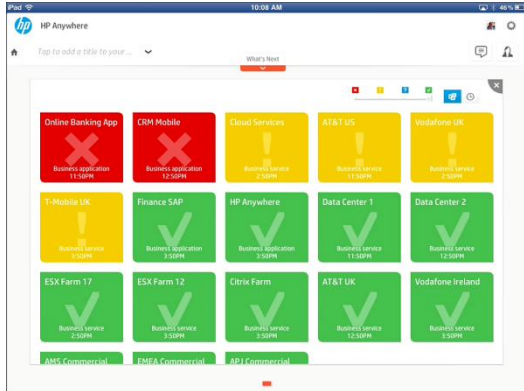
START

# A Mobil forradalom

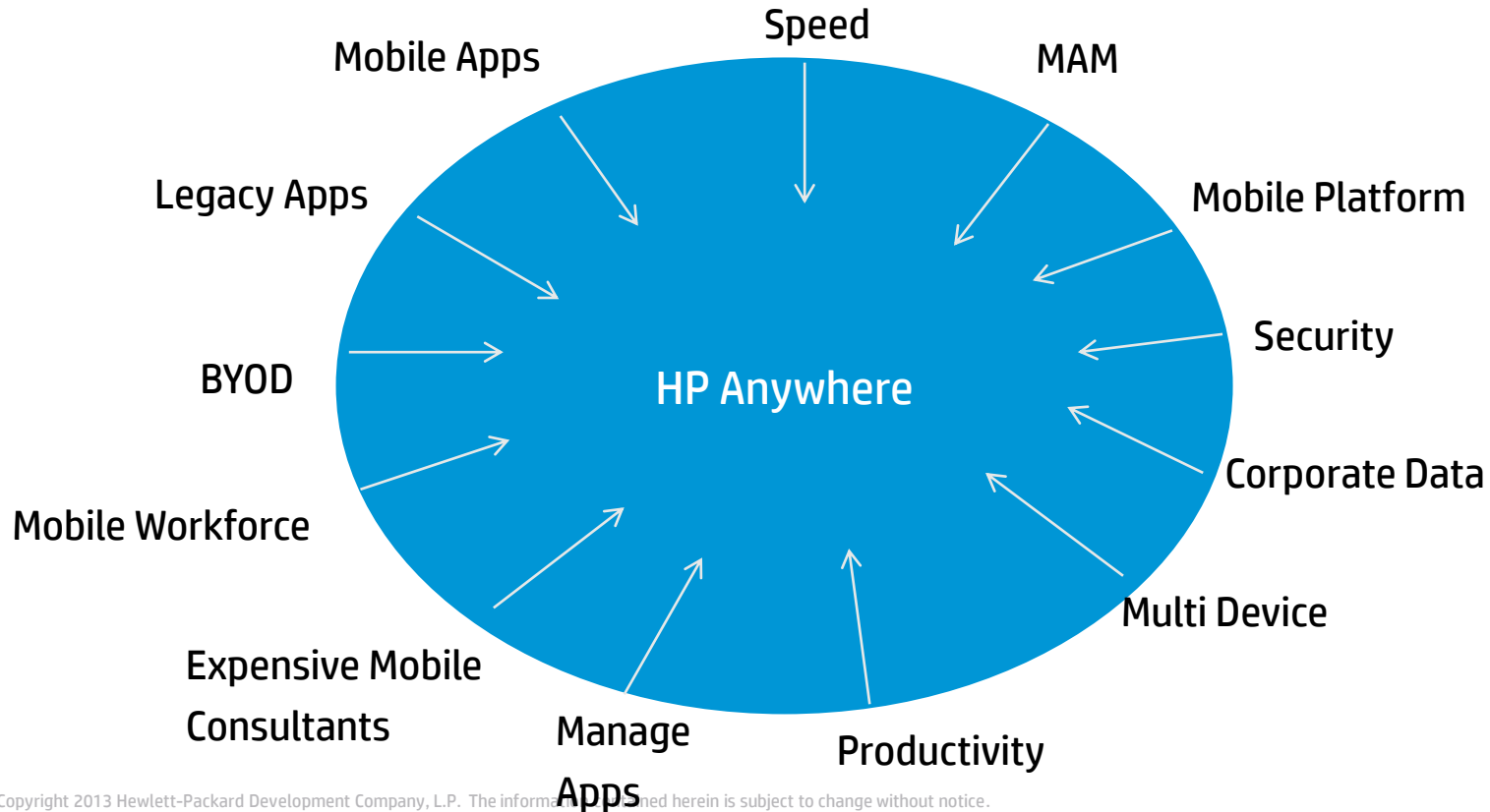
2016-ra a mobil app  
projektek és  
hagyományos app  
projektek aránya ...

4:1

# HP Anywhere: A nagyvállalati mobil fejlesztői platform



# Ötletek a HP Anywhere projekthez ...





**SDE**

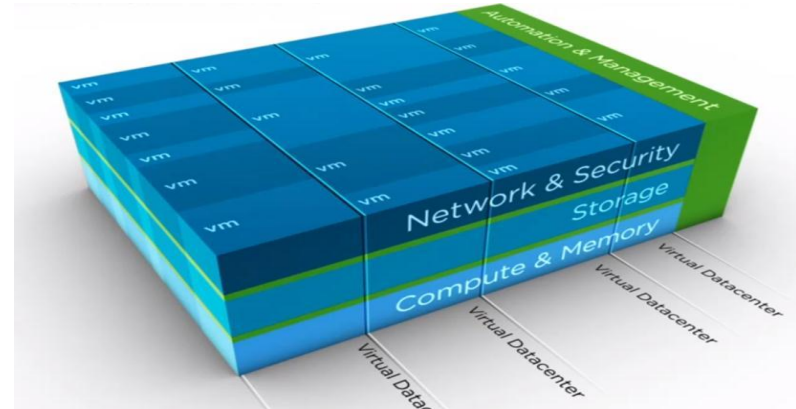
# Software Defined Everything ... (SDE)

A **Control Plane** és a **Data Plane** elkülönítése

A „Software Defined ...” koncepció helyettesíti azon korábbi kontroll /szoftver komponenseket, melyeket korábban beépítve a hardware részeként definiáltunk és implementáltunk. (tárolók, szerverek, hálózat...)

## Minták:

- Software Defined Servers
- Software Defined Networks
- Software Defined Storage
- Software Defined Data Center
- Software Defined Everything



# A világ első számú „software defined” szervere ...



**Software Defined Servers**



## **Moonshot Architecture**

**8:1** Scaling \*

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## **Software Defined Servers**

**8x** Efficiency \*

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## **Innovation Pace**

**3x** Faster \*

# **HP Moonshot System**

\*Source: HP internal analysis



# HP and VMware Enable Customers to Unify Data Center Networks

- Aug 26th, 2013

The new [HP-VMware networking solution](#) will federate the [HP Virtual Application Networks SDN Controller](#) with the [VMware NSX™](#) network virtualization platform to provide customers with an integrated approach to automating their physical and virtual network infrastructure.

*“A hybrid model blends the device-based and the overlay models, transparently mixing physical and virtual devices under a common control plane.”*

*Joe Skorupa*  
Gartner analyst



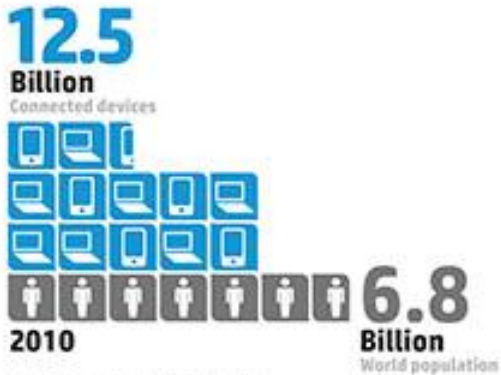


# The Internet of Things

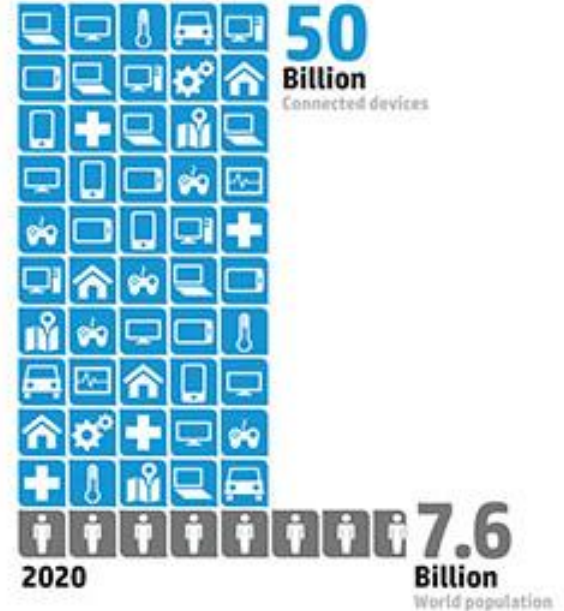
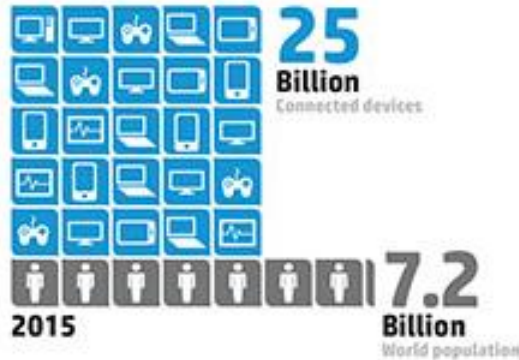


# The Internet of Things

The number of connected devices will double every five years, making the world's population growth seem glacial in comparison



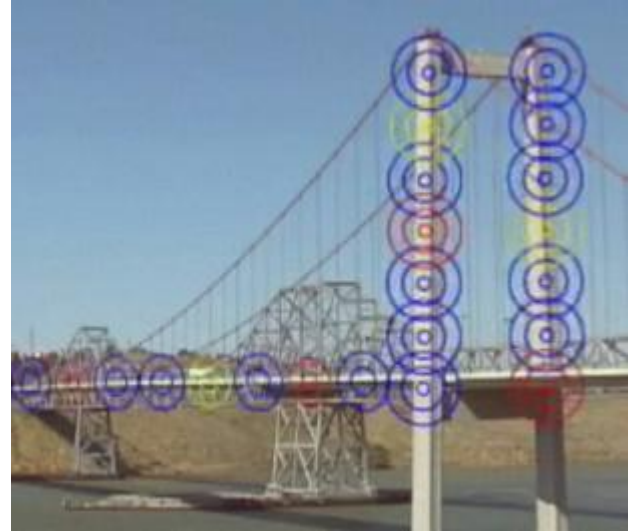
Source: Cisco, "Internet of Things", July 2011



# HP's Central Nervous System for the Earth (CeNSE)

A project of HP Labs

- HP's CeNSE is revolutionizing the way information is gathered, communicated, and analyzed.
- CeNSE consists of a highly intelligent network of billions of nanoscale sensors designed to feel, taste, smell, see, and hear what is going on in the world.
- When fully deployed, these sensors will quickly gather data and transmit it to powerful computing engines, which will analyze and act upon the information in real time using a new breed of business applications and web services.



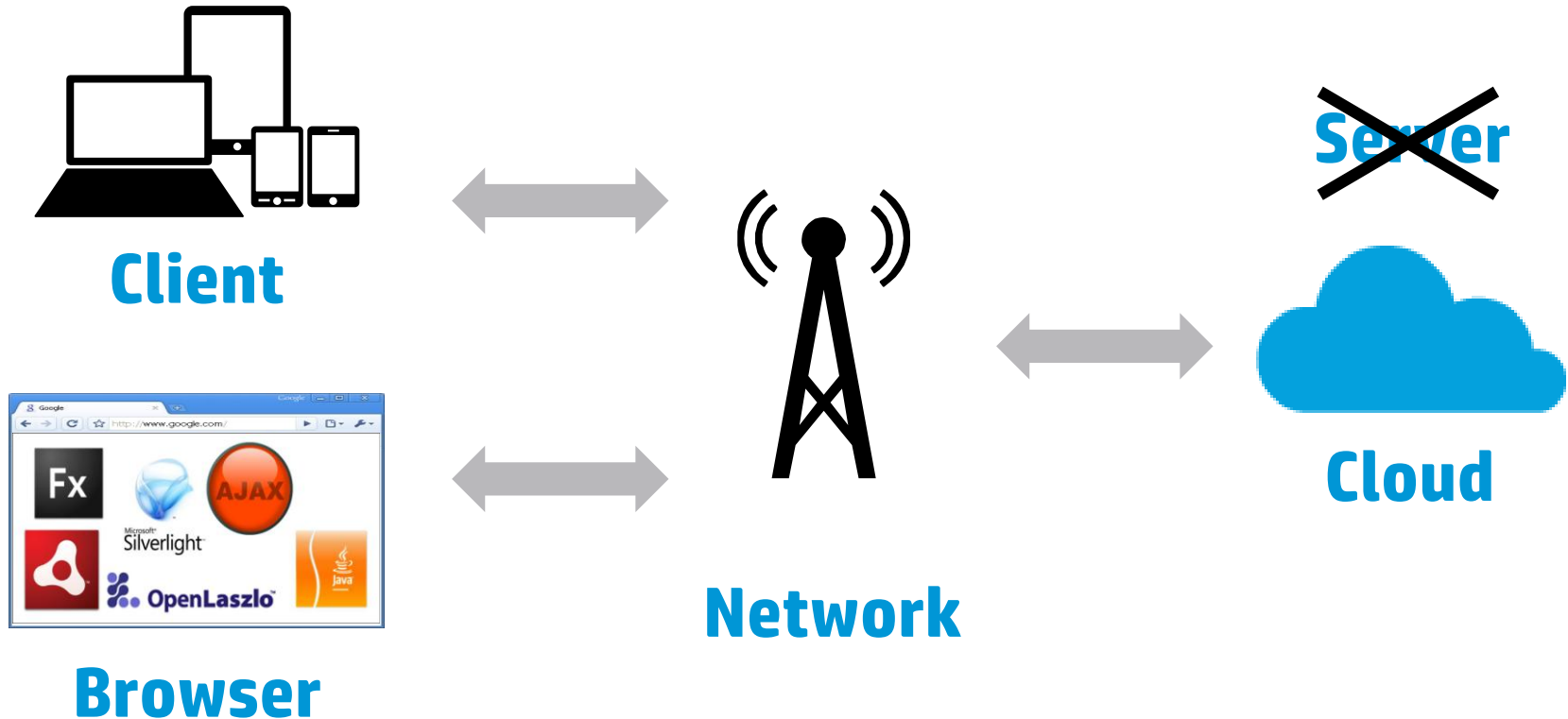


# **Cloud/Client Architecture**

## **The Era of Personal Cloud**

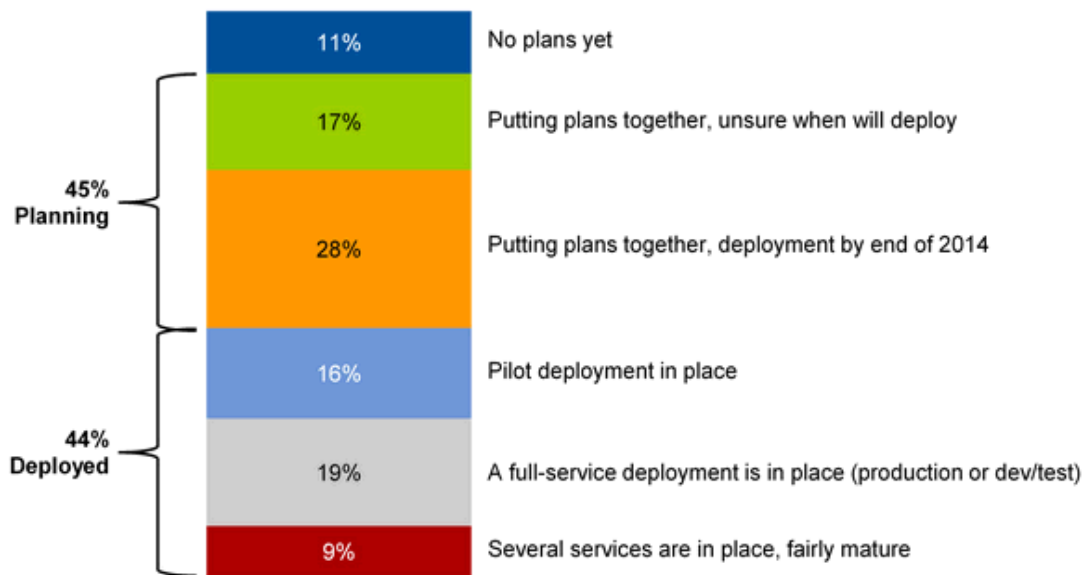
### **Hybrid Cloud, IT as Service Broker**

# Kliens-szerver a **JELÉN**, Kliens-Felhő a **JÖVŐ**

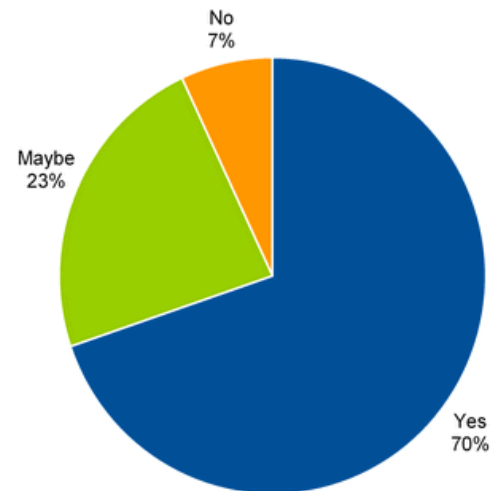


# A Privát felhő már JELEN, a Hibrid felhő a JÖVŐ

## Privát felhő fejlettségi mutatói



## Hibrid felhő érettségi tanulmány

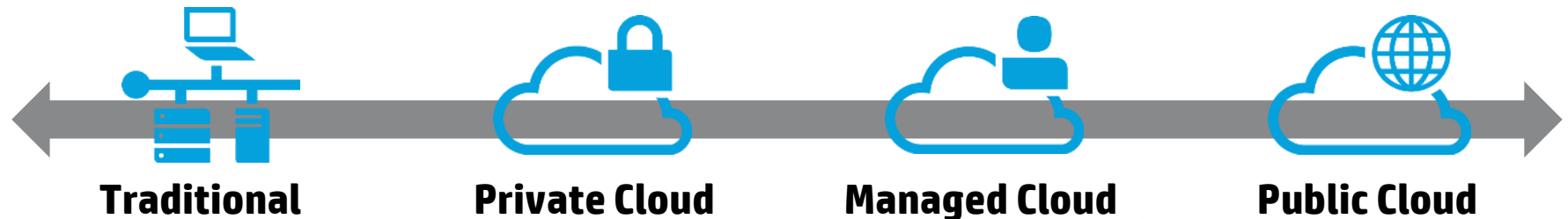


# A jó informatikája HIBRID...

Építünk



Használunk



**Üzemeltetünk & Átalakítunk**

**Biztonság, teljesítmény, rendelkezésre állás, R&C, költség**

# Gartner Top 10 Technology – HP innovációk

- **Mobile Device Diversity and Management** → **HP Mobility Services**
- **Mobile Applications** → **HP Anywhere**
- **The Internet of Everything** → **HP Labs CeNSE**
- **Hybrid Cloud and IT as Service Broker** } **HP CloudSystem, HP CSA**
- **Cloud/Client Architecture** }
- **The Era of Personal Cloud** }
- **Software Defined Anything** → **HP Networking, Storage & Moonshot**
- **Web-Scale IT** → **HP Moonshot**
- **Smart Machines**
- **3-D Printing**



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# Apple iCloud ... mint HP referencia

*Az Apple iCloud adatközpontjait továbbra is homály fedi – köztük az \$500 milliósra becsült Maiden, N.C. — de büszkén jelenthetjük, hogy a szerver és tárolókapacitás HP eszközökön nyugszik.*

**Az egy beszállítói koncepció ebben az esetben azért hasznos Steve Jobs & Co. számára mivel nem csak innovatív platform szolgáltatásban gondolkodtak, de a one-stop-shop SLA a No.1 prioritás.**

<http://www.zdnet.com/blog/btl/apples-icloud-data-centers-may-the-guessing-game-begin-with-hp/50103>





# Köszönöm a figyelmet!



# HP Applications Services

Accelerating innovation with next generation business solutions

Strategic enterprise services	Applications cloud and mobility services*	<b>Cloud services</b> <ul style="list-style-type: none"> <li>• Applications transformation to cloud</li> <li>• Applications development for cloud</li> <li>• SOA and Integration</li> <li>• Enterprise cloud services for SAP applications</li> <li>• Enterprise cloud services for oracle</li> <li>• Enterprise cloud services for Microsoft Dynamics CRM</li> </ul>	<b>Mobile services</b> <ul style="list-style-type: none"> <li>• Mobile applications</li> <li>• Testing for mobility</li> <li>• Enterprise mobility for SAP</li> </ul>
	Transformation and integration services	<ul style="list-style-type: none"> <li>• Transformation consulting</li> </ul>	<ul style="list-style-type: none"> <li>• Applications modernization</li> </ul>
	Information management and analytics	<ul style="list-style-type: none"> <li>• Information Strategy and Organization</li> <li>• Information management and architecture</li> <li>• Advanced analytics and information delivery</li> <li>• Information solution run and optimization services</li> <li>• Advanced information services for HP Vertica, HP Autonomy, SAP and Microsoft</li> <li>• Big data services</li> <li>• Business solutions – Social Intelligence</li> </ul>	
Traditional services	Enterprise applications services	<ul style="list-style-type: none"> <li>• SAP services – Consulting, AMS, enterprise cloud services</li> <li>• Oracle services – Consulting, AMS, enterprise cloud services</li> <li>• Microsoft Dynamics CRM services – Consulting, enterprise cloud services</li> </ul>	
	Applications development services	<ul style="list-style-type: none"> <li>• Custom applications development</li> <li>• Testing and quality assurance</li> </ul>	
	Applications management services	<ul style="list-style-type: none"> <li>• Applications management</li> </ul>	<ul style="list-style-type: none"> <li>– Portfolio management</li> <li>– Applications rationalization</li> </ul>

**\*CUSTOMER REFERENCES** [ING](#) | [InterJet](#) | [GS1](#) | [Centrica](#) | [Valentino](#)

