

# Changing the Game: Monthly Technology Briefs

June 2012

**Bring Your Own Device**

Read the Capgemini Chief Technology officer's Blog at  
[www.capgemini.com/ctoblog](http://www.capgemini.com/ctoblog)



People matter, results count.

## **Bring Your Own Device, or 'BYOD'**

Bring your Own Device (BYOD) is frequently represented as a simple 'black and white' topic, i.e. BYOD is bad, not allowed, and therefore the IT department wants to stop it, while company PCs are good and are all that people should be using. The reality is that BYOD is part of a very complex shift in how people work, how enterprises are changing their way of doing business, and a necessary element in the adoption of a technology revolution involving Cloud, Mobility, Big Data, and social tools. As such, BYOD is seen as part of recent trends such as the 'consumerization of IT', or the development of the 'post PC era', or indeed the 'online society', rather than as a part of Enterprise IT. It is currently a very hot topic for CIOs, as the increasing use of smartphones, tablets, and home PCs, along with an increase in work from home or flexible employment activities, has produced a significant number of employees in many companies using their own devices for some, or even large, elements of their work. At the same time, many CEOs and C-Level executives are leading the BYOD adoption, both personally and professionally, by making a gradual shift towards using a mix of Clouds, Mobility, Big Data, App Shops and Social Media tools to change the abilities of their departments.

The whole shift towards the set of new technologies that makes up the disruptive movement often referred to as the 'consumerization of IT' can be traced to users' desire to introduce new technologies and capabilities into their working life. And this shift happened because users wished to adopt these technologies faster than Enterprise IT could establish the business case for their adoption. The result has been that each successive wave from the Internet and web onward, including the smartphone, and the tablet, has been driven by users, generally against the wishes of Enterprise IT. As these technologies have matured and introduced a disruptive change around 'services' on 'Clouds', it has resulted in employees fully using and committing to their own technology, while becoming unhappy with the older technology and capabilities that their enterprise IT provides and supports.

Industry commentators have been known to observe that the IT department 'correctly' educated their users to understand that the whole new wave of web and personal mobility devices is not part of Enterprise IT and is in fact an entirely different environment that should be separated from Enterprise IT. This point of view is very well explained by the Capgemini White paper 'Journey to the Cloud', which differentiates between Internal Client-Server Application based Enterprise IT referred to as 'Inside-Out', and external Browser web-based Services defined as 'Outside-In'. To understand the users' rising adoption of BYOD requires a look back at a steadily increasing shift driven by each new wave of technology and the actions of Enterprise IT.

The slow adoption of access to the web at work forced many employee users to increasingly use their home PC to find information they needed for their work. This was particularly true if they were in 'front office' roles in sales, service, marketing, etc. who today form the core of the BYOD movement and were interested to exploit the huge amount of external information to be found on the web. 'Back office' staff who came in to work at the same desk on internal processes using Enterprise IT ERP style applications did not, and frequently still do not, have the same needs. This same group of people, namely the front office staff, also proved to be leaders in the adoption of Mobile phones as once again their roles demanded their personal 'mobility'.

The 'web 2.0' phase with its focus on people and social networks reinforced the 'personal' value yet again, and was seen as something to be avoided and blocked by Enterprise IT. There were various reasons for this, varying from concern over time-wasting 'socializing' or lack of management control and fear over the security aspects. Contrary to such fears, social networks and social tools have in fact become enablers through which the 'Tacit Knowledge' of experienced people in rapidly changing unstructured 'front office' work can be exploited by an enterprise, whereas 'Knowledge Management' is the exploitation of 'Explicit Knowledge' of actions and activities that the enterprise recognizes.

The web 2.0 world of social tools and networks introduced the concept of 'services' that a user could subscribe to, and were hosted and delivered from a remote hosting server over the Internet and web architecture. This is known as the Cloud model. Sales people were quick to understand that Cloud services providers such as Salesforce.com offered them a very different set of capabilities that allowed them as individuals to maximize their sales performance, as opposed to Enterprise CRM which is an enterprise management tool of their activities. However, many other employee roles in marketing, or engineering, quickly followed the lead of the sales people in adopting Cloud services, creating a parallel set of business capabilities to enterprise IT called 'shadow IT' at the time.

By now smartphones were established as a method of handling at least email, as Blackberry redefined the market. But the race was on to redefine exactly what a smart phone could deliver and Apple won with its iPhone and Apple App Shop approach that brought both trends, 'remote services' and 'new capabilities' on a smartphone, together. The Apple App shop introduced a fully formed example of what is often now called the 'true' Cloud, meaning not part of the application centric Client-Server model of Enterprise IT, but instead part of the new 'Services on the Internet' web model. A model that centers on the user being able to decide what to provision and to pay for, and to be able to store and exchange services between their multiple devices. The iPad extended these points together with the user experience of 'gesture' control to a new level of working device with a useful 10 hours of battery life and completed the transformation of 'Consumer IT' into 'post PC era' technology.

'The Post PC era' doesn't mean the end of PCs, or Client-Server, or ERP. What it does mean is a new focus on using technology beyond the internally-oriented boundaries of Enterprise IT, as it has been defined for the last 20 years. 20 years ago 'Innovation' meant the adoption of the business models of Business Process Re-Engineering, which was delivered by the new architecture of PCs linked into Client-Server based ERP. Today 'Innovation' of the Business model is driven by the need to embrace the new web-based Cloud services model to create an external market-oriented enterprise. And as before the adoption is driven by business managers who are introducing new ways to beneficially exploit the technology. 20 years ago they brought their own PCs to work and used new applications such as Spreadsheets, now a new generation of business managers are bringing their iPads to work to exploit new services such as 'apps'.

BYOD is the logical conclusion of a technology and user deployment path that runs all the way from the start of the Internet and web through to the tablets and smartphones of today. At every stage Enterprise IT has been unable to make a case that the technology is part of Enterprise IT, reinforcing the users' view that they will have to use their own technology instead. App Shops for self-selection and deployment, coupled with a vast range of new types of services that introduced new capabilities from Clouds, have completed the shift to a completely new user experience environment. But, most of all, these changes also align to an increasing shift in the way employees, particularly those in 'front office' roles, work. Home-based or contract working, knowledge working, and other aspects have all increased the activities that happen outside the office, and indeed outside Enterprise IT deployments of the past. Enterprise App Shops linked to BYOD introduce a new era in the use of technology for new business practices and should not be confused with PC-based, Client-Server, back-office era of internal and secure ERP style operations.

The impact of this and other technologies is discussed in the [Capgemini CTO Blog](#).

## Leading Company Results (Revenues)

Leading Company Results (Revenues)			
Full Year	<b>Symantec</b> ↑ 9% @ \$6.73bn		
Q4	<b>Symantec</b> ↔ 0% @ \$1.68bn	<b>Lenovo</b> ↑ 54% @ \$7.5bn	
Q3	<b>Cisco</b> ↑ 6% @ \$11.6bn		
Q2	<b>HP</b> ↓ 3% @ \$30.7bn		
Q1	<b>Samsung</b> ↑ 11% @ \$5.16bn	<b>Salesforce.com</b> ↑ 38% @ \$695mn	<b>Dell</b> ↓ 4% @ \$14.4bn

**Cisco acquires Truviso**, to add real time data analytics to its intelligent networking tools and monitoring capabilities. [www.cisco.com](http://www.cisco.com)

**Oracle Java SE7 r4** adds new performance and operating system management tools to improve operation and stability plus a Mac OS X version of the Java Software Development Kit. **Oracle JavaFX 2.1** aims at supporting Rich Internet Applications and also includes a Mac OS X version of Java FX Software Development Kit. **Oracle JD Edwards gains a series of updates including:** EnterpriseOne One View Reporting, JD Edwards World A9.3, and JD Edwards EnterpriseOne 9.1. **Oracle User Productivity Kit, UPK**, for Oracle Primavera Product Portfolio Management and Oracle Primavera Contract Management. **Oracle Communications MetaSolv Solution 6.2.1** adds new features for design of virtual networks for communications professionals. **Oracle Siebel Loyalty Management 8.2.2** adds new best practices for loyalty management schemes. **Oracle Financial Services Loan Loss Forecasting and Provisioning** adds an entirely new analytic application for FSI sector. **Oracle Endeca Information Discovery** combines Endeca Latitude and Endeca MDEX into a single suite and adds new features. **Oracle Sun ZFS Backup Appliance** claims to deliver up to four times faster performance with optimized Oracle solutions than competitors. **Oracle SPARC SuperCluster T4-4** is now certified for SAP Applications. **Oracle Utilities Smart Grid Gateway** has gained additional adaptors for smart Grid integration. **Oracle Utilities Customer Self Service** adds a new web-based customer self-service platform to the Oracle Utilities Suite. **Oracle WebCenter Sites** new release adds new authoring, search, visualization, and social tools. **Oracle Financial Services Currency Transaction Reporting** supports the new Electronic Filing Requirements as well as giving a complete holistic view of CTR compliance. **Oracle Virtual Desktop Infrastructure 3.4, VDI, SunRay Software 5.3 and Oracle Virtual Desktop Client 3.1** have all been updated to increase the range of storage options available for remote virtualized services and data. **Oracle Business Accelerators** for Oracle BI tools included in Oracle E-Business Suite and Oracle JD Edwards EnterpriseOne. **Oracle Insurance Insbridge Rating and Underwriting 4.6** update aligns with the latest standards of the insurance market. **Oracle Itanium dispute on support with Intel** has led to the release of an open letter to Oracle customers to explain their point of view <http://www.oracle.com/itanium>. **Oracle Health Sciences ClearTrial 4.6** introduces a cloud-based version to support field trials. **Oracle VM Server for x86 r 3.1** adds user interface simplification and new capabilities including storage and backup management. **Oracle RightNow CX Cloud Service and Oracle Fusion Sales** are now fully integrated into a single cohesive capability to manage customers through multiple channels. **Oracle Communications Data Model 11.3.1** is certified by the TM Forum Business Metrics Automation program and allows a range of business areas for service providers to be analyzed. **Oracle**

**Communications Network Charging and Control** and **Oracle Communications Billing and Revenue Management** are further updates for Service Providers.. [www.oracle.com](http://www.oracle.com)

**HP Integrity Systems HP-UX 11i v3** adds a host of new features to the operating system to extend capabilities and integrate with other HP products and services. **HP MagCloud iPad App** updates to support the latest iPad Retina display and improve the range of print and digital capabilities for publishing and is available via the Apple App Store. **HP Inkjet Web Press** is claimed as a breakthrough in numbers of color prints a minute. **HP Get Virtual Guarantee Program** promises to deliver a minimum of twice as much server density on 3Par Storage using VMware. **HP in conjunction with F5** are offering a combined platform with both companies' tools to simplify and save time in configuring and deploying servers. **HP Ultrabook PC range** gains three new versions including an extremely high feature top-end unit. **HP Cloud Services Platform now available as a beta** with pay as you go access to Cloud Compute, Cloud Object Storage, and Cloud Content Delivery services. **HP announces 25,000 plus jobs to be cut** to reshape the organization. [www.hp.com](http://www.hp.com)

**Intel 22nm 3<sup>rd</sup> Generation Core Chips**, code named Ivy Bridge, are now available to ship and, as the next generation of Intel processor technology, offer equal or better performance for less energy requirements. **Intel Core vPro versions** are also available and offers increased security management, an embedded Public Key Infrastructure, PKI, and integration with the McAfee ePolicy Orchestrator. **Intel is acquiring the Cray Computing Intellectual Property and Development Team** for its Gemini Interconnect Technology to add to the Intel 'large scale computing' development capability. **Intel is buying patents from Aware with** a value of \$75mn covering 'wireless technology'. **Intel Media SDK 2012 R2** offers a wider set of APIs supported to include Open CL, HD Graphics, Quick Sync Video etc. **Intel Data Center Switch reference architecture** brings together Intel Ethernet Switch FM6000, Intel 82599 10 Gigabit Ethernet Controller with a Crystal Forest backplane and packet processor. **Intel Xeon E3 and E5 processor** ranges have been massively expanded with 28 new versions. [www.intel.com](http://www.intel.com)

**IBM QRadar Network Anomaly Detection Appliance** is a background monitor that looks for any signs that suggest anything new is happening, and is designed to spot situations in advance of generic malware detections. **IBM PowerLinux** rack mount servers offer both Redhat and SUSE Enterprise operating systems bundled with the server unit. **IBM has acquired Visismo** (not to be confused with last month's acquisition of the similar sounding Varicent) a producer of tools to analyze and navigate across very large data sets. **IBM Mobility Solutions** are being extended with new products and upgrades following the acquisition of Worklight to allow a single software application to run on multiple Mobility platforms with no alterations and to connect to multiple services via WebSphere Cast Iron. **IBM Endpoint Manager** now supports up to 250,000 end devices of all types from smartphones and tablets to conventional PCs from a single management console. **IBM plans to pioneer mass Bring Your Own Device, BYOD**, internally encouraging its employees to shift to their own choices of devices. **IBM WebSphere Application Server 8.5** preview showed a 50MB footprint that even small mobility devices will be able to accommodate, while allowing dynamic updating with no need for rebooting. **IBM is acquiring Tealeaf Technology** a provider of customer experience analytics. [www.ibm.com](http://www.ibm.com)

**Microsoft Windows 8 Release Preview** has been announced as being available in June and will support Windows 8 and 8Pro versions running on x86 and a Windows RT version running on ARM. Separately, Microsoft stated that **Windows 8 will not include a DVD player** as standard due to insufficient demand, but a player will be available in the optional additional cost Media Pack. **Microsoft Windows Phone Marketplace** rules and testing procedures are being improved to ensure that user experiences are improved both on downloading and on the performance and value of the Apps. **Microsoft IllumiShare** is claimed to revolutionize remote collaboration by using cameras to make objects available to remote users. **Microsoft and Barnes & Noble** are forming a strategic partnership and a new joint company, with Microsoft holding a 17.6% share, to 'accelerate the transition to e-reading'. **Microsoft Bing** gains a new way for users to share recommendations or searches with friends and colleagues in what is described as a 'new user experience around finding rather than searching'. **Microsoft Industry Reference Architecture for Banking, MIRA-B**, provides development and deployment model to support the development of new business models and channels with Microsoft technologies and products. [www.microsoft.com](http://www.microsoft.com)

**SAP StreamWork** analyses collaborative decision-making with strong visualization and use of data held in the SAP HANA memory store, in addition to other sources. **SAP Cloud Strategy** will be based on its acquired SuccessFactors business, which will be built up into a new global business unit with initially 5000 staff and launch a complete range of business apps starting with a version of SAP Payroll. **SAP Visual Intelligence** introduces a new generation of Business Intelligence based on HANA that allows users to ask ad hoc questions across the content held in HANA with no predefined structure. **SAP ERP applications will be re-engineered to run on HANA** with the claim that transactional operation can be made on HANA databases and the resulting data made useable for all types of business intelligence purposes according to direction announcements at SAP SAPHIRE event. **SAP is to acquire Ariba**, a long established ecommerce services provider, to add to its new 'Cloud services' based business unit. [www.sap.com](http://www.sap.com)

**Google shuts more services** as a continuation in the reduction of 'ideas' that haven't reached critical mass, the following will shut; Blackberry Synchronization Service, Google Browsing Assistant, Google Talk Mobile, Google One Pass Payment Platform, and selected Picasa Photo Services. **Google Drive Cloud Storage** for Windows, OS X and Android is aimed at creating storage and sharing for documents created with Google Docs. **Google Knowledge Graph** will be added to the search pages and introduces a new level of search beyond matching text and towards more contextual finding. **Google Chrome Browser** became the top browser for the week of May 14, as its popularity in India and other new markets starts to kick in. The **Acquisition of Motorola** was finally completed and the Motorola CEO is now Dennis Woodside from Google. [www.google.com](http://www.google.com)

**Apple Q2 shipments** on a year by year comparison saw iPhone sales up 88% to 35.1 million units, iPads up 151% to 11.8 million units and a 7% increase in Mac PC sales to 4 million units, but sales of iPods declined 15% to 7.7 million units. **Apple Mac OS X future release** is being pushed with support promises to third party software developers, promising new features around security that will allow them to introduce new safe applications with digitally signed authentication. **Apple Mac OS X Leopard Security update** forcibly disables Flash player versions that Apple considers insecure. [www.apple.com](http://www.apple.com)

**Amazon Web Services Relational Database Service, RDS**, for Microsoft SQL Server and ASP.NET AWS Elastic Beanstalk adds new managed services for developers. **Amazon Storage pricing policy** now includes discounts of up to 13.5% for volume. [www.amazon.com](http://www.amazon.com)

### Open Source Update

**Mozilla Firefox 12** release will make updates simpler from Windows PCs by bypassing the User Account screen messages warning at download and allowing updates to happen automatically in the background. **Firefox for Android** first beta version is now available for downloading and testing. [www.mozilla.org](http://www.mozilla.org)

**Ubuntu 12.04 LTS** standing for Long Term Support version is now formally released after beta previews offering a server build and a virtualized desktop platform. [www.ubuntu.com](http://www.ubuntu.com)

### Standards Watch

**EU Anti-Counterfeiting Trade Agreement, ACTA**, which has attracted much controversy is likely to be rejected by the EU parliament in accordance with 'public wishes' says Nellie Kroes, the EU Head of Digital Matters.

<http://uk.reuters.com/article/2012/05/04/uk-eu-copyright-idUKBRE8430U520120504>

**IEEE 802.11-2012 wireless standard** introduces the fourth update to the standard as well as incorporating all the older releases together with improvements in security, and signal handoff. [www.ieee.org](http://www.ieee.org)

### More Noteworthy News

**Comscore report Amazon Kindle Fire success** as it took 54.4% of the February 2012 US market for Android based tablets up from 29.4% and pushing Samsung Galaxy Tab down from 23.8% to 15.4% and Motorola Xoom down from 11.8% to 7%. [www.comscore.com](http://www.comscore.com)

**IDC Research report Q1-12 tablet sales** as having dropped to 17.4 million units from Q4-11 sales of 28.2 million units, mostly at the expense of Android based tablets as Apple iPads took a 68% share up from 54.7% in the previous quarter. [www.idcresearch.com](http://www.idcresearch.com)

**EMC are acquiring XtremIO** for its Flash Storage product line covering a full set of solid state storage arrays. **EMC VBlock** capabilities have been extended towards more support for data management, including direct functionality on EMC Avamar, Data Domain and VPLEX products. **A new Partnership with VMware** provides for cross offerings of each other's products and new levels of certification. **EMC World introduced a wide range of product updates** with a particular focus on Cloud Storage and Big Data. [www.emc.com](http://www.emc.com)

**McAfee Enterprise Security Manager, ESM**, updates features to include McAfee Security Connected Reference Architecture capabilities and integrates the acquired NitroView code to add Policy Orchestration and Risk monitoring. **McAfee Network Security Platform** has received updates for multi-tenancy handling, increased throughput, and linking additional units. [www.mcafee.com](http://www.mcafee.com)

**Hitachi Data Systems Unified Storage, HUS**, is a rationalization and update to create a new range of Storage Systems for the mid-tier user market with the key feature of being able to store File, Block and Object data on the same platform. [www.hitachidatasystems.com](http://www.hitachidatasystems.com)

**Samsung Electronics Exynos 4 Quad** adds a new four-core processor based on the ARM Cortex A9 design offering 1.4 GHz or better speeds to their Exynos range. **Samsung Galaxy S3 Android 4.0 smartphone** moves to quad-core processors and updates the best selling S2 with improved performance and new higher pixel cameras, front and rear. **Samsung Omnia Windows Phone** adds a Windows 7.5 competitor to Nokia. [www.samsung.com](http://www.samsung.com)

**Salesforce.com Chatter Social Platform** now has Instant Messaging together with a presence indicator to compliment its other collaboration tools.

[www.salesforce.com](http://www.salesforce.com)

**LinkedIn iPad App** is now available in response to an increasing amount of LinkedIn users accessing the site from Mobility devices. **LinkedIn is acquiring SlideShare** stating the aim is to add to its content-based capabilities.

[www.linkedin.com](http://www.linkedin.com)

**Corel WordPerfect Office x6** update pack with claimed full compatibility with Microsoft Office file formats is now available and continues to include specialized features supporting the legal profession and ePublishing markets. [www.corel.com](http://www.corel.com)

**Twitter iPhone and Android** updates are available via Apple App Store and Google Playbook adding new search and notification functions. [www.twitter.com](http://www.twitter.com)

**Blackberry 10 future release** designed to unite the smartphone and Playbook operation systems is now available to developers who are being offered commercial support to develop on what Blackberry claim to be the most 'open' platform on the market. **Blackberry 7.1 Software update** is available for download for certain models including Bold 9900, Torch 9810 and 9860 plus Curve 9360 and 9380. [www.blackberry.com](http://www.blackberry.com)

**Lenovo ThinkCentre M92p** introduces a new concept in desktop PCs being a micro-sized unit with minimum dimensions at a new level. **Lenovo ThinkPad ranges X, T, W, and L** are all being upgraded to use the new Intel 3<sup>rd</sup> Generation Core processors and some new Ultrabook models are being added as 'high spec' power user models. [www.lenovo.com](http://www.lenovo.com)

**Sony Vaio S and E series** are being upgraded to the new Intel 3<sup>rd</sup> Generation Core processors and some new models as well as a new battery pack that provides a claimed 14 hours of operating life. **Sony Tablet S** users will receive an automatic upgrade to Android 4.0 on their next WiFi connection, but there is no similar upgrade available yet for the Tablet P series. [www.sony.com](http://www.sony.com)

**Compuware Application Performance Monitoring platform APM** is being upgraded to add new capabilities that reflect cloud platforms and support third party tools together with improved user interfacing. [www.compuware.com](http://www.compuware.com)

**VMware View 5.1** Virtual Desktop Infrastructure, VDI, update claims improved performance and security, adding persistent caching for performance and non-persistent imaging that saves a user's work separately from the PC image, so that it will be available on the next virtual PC the user signs on to. **VMware Horizon App Manager 1.5** provides an App Shop for enterprise deployment inside the firewall with policy management of users and downloads. [www.vmware.com](http://www.vmware.com)

**Dell Precision Workstations range** updated with new Intel E5-2600 processors in the all new T3600, T5600, and T7600 models. **Dell Mobile Print App** allows Android Mobile devices to print via WiFi or Ethernet to Dell printers. **Dell Precision R5500 Rack Workstation** is now certified to Citrix XenServer and HDX 3D Pro remote screen. [www.dell.com](http://www.dell.com)

**Skype for Windows Phone** is now available as a full-fledged app, including some additional features after the conclusion of Beta trials. [www.skype.com](http://www.skype.com)

**Vodafone is to acquire Cable & Wireless Worldwide** a long established UK player in global communications with a large global infrastructure and network capabilities. [www.vodafone.com](http://www.vodafone.com)

**Riverbed Steelhead 150 appliance range** latest models are for low cost branch office connection optimization. [www.riverbed.com](http://www.riverbed.com)

**Itanium Processor Support** is leading to a court case between Oracle and HP, with HP claiming that Oracle dropped Itanium processor chips and switched to Intel x86 processors in a breach of contract.

<http://www.v3.co.uk/v3-uk/news/2172546/hp-oracle-headed-court-itanium-row>

**Citrix Cloud Gateway 2** manager allows Windows, OS X, iOS, Android and HTML based applications and apps to be managed on mobile devices. **Citrix Receiver Client** has been updated to include access to SharePoint. **Citrix iOS App** has been upgraded to provide video conferencing. **Citrix GoToMeeting** collaboration platform now supports Android devices. [www.citrix.com](http://www.citrix.com)

**Wikipedia introduces new authentication** capabilities in a partnership with DigiCert that adds Secured Socket Layer, SSL, connection protection, and user authentication. [www.wikipedia.com](http://www.wikipedia.com)

**Nokia offers more Windows Phone Apps** in a set of deals that will offer exclusive Apps from a selection of specialized developers. This is to support its focus on making Nokia 900 the top Windows Mobile phone. [www.nokia.com](http://www.nokia.com)

**Facebook App Center** introduces a new pay per app store, allowing developers to be paid per download. **Facebook IPO**, with a worth of around \$100 billion, placed a value above its current revenue and profits on opening, but this fell back rapidly on the first day's trading. [www.facebook.com](http://www.facebook.com)

**Adobe Creative Cloud Service** with Adobe Muse Toolset supports the building and sharing of sophisticated content. **Adobe Digital Publishing Suite, DPS**, upgrade adds support for Apple iPhone and iPod with a new Content Viewer to the existing support for iPad, Android and Kindle Fire tablets, as well as increased integration with social networks and existing Adobe products. [www.adobe.com](http://www.adobe.com)

**AMD Trinity A Series APU processors** based on the AMD Accelerated Processing Unit's second generation release claim highest performance per watt battery benefit and include quad core versions for mobile devices. **AMD R Series** of embedded processors, using the new Piledriver CPU core, claim to offer a unique blend of processor power with low energy use. [www.amd.com](http://www.amd.com)

**Netsuite SuiteCommerce Tool** aims to link front and back office functions to enable online digital commerce outside the firewall to interface successfully to behind the firewall Back Office IT systems. **Netsuite Recurring Billing Tool** provides a user charging and billing capability to support any services being offered on a per use, or Software as a Service, SaaS, basis. [www.netsuite.com](http://www.netsuite.com)

**Nvidia VGX Cloud Platform for Graphics** introduces cloud-based resources for specialized 3D graphics, covering both hardware and software with multiple virtual desktop user access, complete with graphic accelerators. [www.nvidia.com](http://www.nvidia.com)

**LG Optimus UI 3.0 User Interface** based on Android 4.0, aims to provide LG smartphones with a distinctive user experience, offering unique features to differentiate from other Android-based smartphones. [www.lg.com](http://www.lg.com)

**Fujitsu Stylistic M532 Tablet** adds an Android 4.0 based 10.1 inch screen sized Tablet, running on quad Nvidia Tegra 3 processors, to their range. [www.fujitsu.com](http://www.fujitsu.com)



## About Capgemini

With around 120,000 people in 40 countries, Capgemini is one of the world's foremost providers of consulting, technology and outsourcing services. The Group reported 2011 global revenues of EUR 9.7 billion. Together with its clients, Capgemini creates and delivers business and technology solutions that fit their needs and drive the results they want. A deeply multicultural organization,

Capgemini has developed its own way of working, the Collaborative Business Experience™, and draws on Rightshore®, its worldwide delivery model.

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