Smarter Computing : IBM lance de nouvelles solutions pour « une informatique plus intelligente »

55 nouveaux serveurs et technologies de stockage pour aider les clients à faire face au Big Data

Armonk, NY - 19 oct. 2011: Sur une planète plus intelligente, tout ou presque a recours à l'informatique. Des objets tels que les appareils électroménagers, les voitures, les routes, les vêtements, et mêmes la nature (rivières, champs de blé) bénéficient désormais d'une intelligence intégrée. Mais pour parvenir à concrétiser la promesse d'une planète intelligente, il ne suffit pas d'ajouter de l'intelligence partout. Il faut aussi rendre l'informatique elle-même plus intelligente.

Rien n'est soumis à autant de changements que la technologie informatique (moyens d'accès, application, architecture). Cependant, les opportunités d'innover n'ont jamais été aussi grandes. Pour éviter de rentrer dans un cercle vicieux d'une prolifération des moyens informatiques incapables de gérer les gros volumes de données et parfois beaucoup trop rigides, c'est l'évolution vers une « informatique plus intelligente » qui doit primer.

L' « informatique plus intelligente » est conçue pour les gros volumes de données (Big Data), adaptée à la tâche grâce à des systèmes optimisés, et gérée dans le Cloud Computing.

Afin de répondre aux exigences de cette nouvelle ère informatique, IBM annonce plus de 55 solutions serveurs et stockage permettant aux entreprises de répondre au chalenge du Big Data, de prendre de meilleures décisions et d'être plus compétitives.

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IBM Introduces New Systems to Accelerate Smarter Computing

Fifty-five New and Enhanced Servers and Storage Products Designed to Help Businesses Make Better Decisions and Operate More Efficiently

ARMONK, NY – 19 October 2011 : In the largest update to its systems portfolio this year, IBM (NYSE: IBM) today announced more than 55 new and updated server and storage technologies that help clients gain actionable insights from data, increase IT capacity and deliver new services faster to create profitable business opportunities.

The [new offerings](#) include more affordable business analytics systems, automated tools for implementing security and compliance standards, and starter kits for establishing private clouds.

As the world's increasing demand for data and services puts a strain on IT resources, organizations become trapped in a vicious cycle in which a rigid IT infrastructure and lack of trusted data leads to reactive or risky decision making. Attempts to overcome these challenges through additional IT investments often result in a more sprawling and costly infrastructure.

The new offerings, highlighted below, address these challenges with [smarter computing](#)technologies for business analytics, integrated storage, optimized systems and virtualized data centers. In the first half of 2011, there were 1,485 competitive migrations to IBM systems by companies seeking the advantages that smarter computing can bring to their bottom line.

Designed for Data

Companies that handle vast amounts of information need to be able to analyze that data to make better business decisions in real time. IBM is delivering new entry-level business analytics systems, accelerated database analytics and expanded data storage options. Highlights include:

- **IBM DB2® Analytics Accelerator** incorporates the Netezza data warehouse appliance into the IBM zEnterprise™ System for faster analytic responses. The blending of Netezza and System z® technologies enables the merging of online transaction processing (OLTP) systems, which facilitate and manage transaction-oriented applications typically for data entry and retrieval transaction processing, with analytics into a single platform for operational business analytics. The appliance plugs into IBM DB2 for z/OS® database on zEnterprise 196 (or z114) to speed response time for a wide variety of complex queries, which ultimately provide faster business analysis. At a time when organizations are demanding access to customer purchase histories, customer behaviors and real time sales trends, IBM DB2 Analytics Accelerator helps clients sift through this massive amount of data and make the information relevant and actionable almost immediately.

- **IBM Smart Analytics System 9700** and **IBM Smart Analytics System 9710** utilize innovative technologies to deliver an end-to-end data warehouse and business intelligence solution on IBM zEnterprise System. The new systems can support a data distribution hub, transactional analysis platforms and modernized reporting systems, or provide a framework for comprehensive predictive analytics. IBM clients can now build a mainframe-based operational business analytics solution at an entry-level price.

- IBM POWER7® processor-based **IBM Smart Analytics System 7710** and x86 processor-based **IBM Smart Analytics System 5710** are single server, all-in-one systems that deliver business analytics and reporting services faster for up to half the cost of previous integrated solutions. Engineered for the rapid deployment of business-ready solutions in days and not months, they offer a breadth of capabilities including business intelligence reporting, analysis, dashboards, data mining, cubing services and text analytics.

- **IBM Storwize® V7000 Unified** midrange disk system brings efficiency and simplicity to data storage with file and block storage located on the same system with a world-class graphical user interface. It provides automatic policy-driven movement of files to the desired drive type to manage costs and simplify administration, the ability to either scale within a system or scale out by clustering two systems together, and

enhanced remote mirroring options. The unified management interface is unlike some competing products, such as EMC® VNX™, which feature a unified launcher that sends administrators to two different user interfaces.

- **IBM System Storage® DS8000 Release 6.2** enterprise disk systems introduce greater performance and improved capacity optimization capabilities that allow organizations to manage more diverse workloads efficiently and automatically without administrator involvement. Easy Tier enhancements include automated data migration across three-tiers of storage, as well as automated data rebalancing within a single tier, helping clients improve performance where and when it's needed. Moreover, with only two parameters to set, Easy Tier is easier to set up and manage than competitive products, such as EMC FAST VP, which requires administrators to create multiple policies and set parameters upon configuration, as well as throughout the life of the system to be effective.

- **IBM XIV® Storage System Gen3** enterprise disk system was introduced in July with an advanced hardware upgrade that improves performance for the most demanding workloads. Now, IBM is adding support for 3TB disk drives that increase capacity by 50 percent in the same physical footprint and enable an increase in usable capacity of up to 243TB per rack. IBM is offering several other innovations such as the IBM XIV Mobile Dashboard, a free Apple® iPad® application that enables XIV system status to be monitored from anywhere. Separately, IBM this week announced the first Storage Performance Council (SPC) result with the XIV Storage System as part of the SPC's announcement of the new energy extensions for SPC-2 (SPC-2/E) and SPC-2C (SPC-2C/E). XIV Storage System produced an SPC-2/E result which demonstrated its ability to handle Big Data as well as providing associated energy use data. The SPC-2/E result shows the XIV Storage System provides outstanding enterprise price-performance, in addition to Large File Processing (LFP) performance that is faster than all SPC-2 submissions from competing vendors to date.(1)

Tuned to the Task

Systems that are optimized across the infrastructure and tuned for every task enable businesses of all sizes to achieve superior economics. IBM is providing new technologies that automate security and compliance of virtualized environments and multi-system virtualization capabilities to reduce cumbersome IT sprawl. Highlights include:

- **IBM Power Security and Compliance (PowerSC™)** technology provides automated tools for security and compliance of virtualized environments on Power Systems™ running PowerVM™ virtualization technology. Centrally managed reporting for compliance measurement and audit reduces the cost of cloud computing security in virtualized data centers. Clients can automatically apply security profiles and generate reports about compliance, reducing administrative costs involved in configuring and auditing systems that require particular industry standards.

- **IBM z/VM® 6.2** offers new multi-system virtualization capabilities within the software to help clients avoid the virtual machine sprawl challenges of competitive systems. Up to four instances of z/VM can be clustered together as members in a Single System Image, where they can be managed as a single z/VM system

and share system resources.

- **IBM Systems Director® v6.3** includes improvements in performance, scalability and usability for simplified management of optimized systems. With IBM Systems Director, IT managers can deliver higher levels of service with lower costs by increasing IT staff productivity by up to 20 percent, reducing IT administration costs by 34 to 42 percent and decreasing energy costs by 15 to 20 percent.

Managed in the Cloud

IBM cloud infrastructure solutions accelerate deployment and maximize efficiency of businesses who want to achieve rapid, flexible delivery of high value services. IBM now offers solutions that help clients easily establish virtualized data center environments, scale cloud file systems more efficiently and improve system utilization. Highlights include:

- **IBM Starter Kit for Cloud**, part of the IBM SmartCloud Entry solution, offers the building blocks to create private clouds on virtualized IBM System x and Power Systems hardware. The solution provides simplified initialization and administration for cloud environments on Power and x86 systems, standardization of virtual machines and improved operations productivity with an easy-to-use, self-service interface. Organizations can also quickly and easily scale to more advanced cloud solutions as business demands and workloads increase. *See related October 12, 2011 press release, "IBM Introduces New Portfolio of Private Cloud Offerings."*

- **zEnterprise Starter Edition for Cloud** offers customers an entry-level Infrastructure as a Service (IaaS) cloud delivery model for Linux on System z with Tivoli® Provisioning Manager. This easy-to-deploy, highly secure, resilient turn-key "cloud in a box" extends the scope of the enterprise cloud with centralized management of the entire zEnterprise system.

- **IBM BladeCenter® Foundation for Cloud** is a comprehensive, converged cloud computing platform that combines server, storage, networking and management technology that allow clients to quickly create an x86-based cloud environment that is simple to deploy, manage and scale. Starting with 7TB of storage and 150 virtual machines, the platform offers six to 10 times the performance of the nearest competitive product, consumes 26 percent less power and takes up 36 percent less floor space at the lowest possible cost. BladeCenter Foundation for Cloud comes in three sizes – small, medium and large – designed to fit the business needs of any size business, based on budget, storage size or performance, and is capable of helping smoothly manage a typical multi-rack datacenter as if powered by a single chassis.

- **IBM Active Cloud Engine™** scales cloud file systems more efficiently by moving files where and when they are needed. It gives companies fast access to billions of files and dramatically improves the management and efficiency of cloud storage. Capabilities for global clouds are available on IBM Scale-Out Network Attach Storage (SONAS) and for mid-sized clouds on Storwize V7000 Unified systems.

- **IBM Systems Director VMControl™ 2.4** now offers extended virtual image management and system resource pool capabilities on System x for Kernel-based Virtual Machine (KVM), the next generation open source hypervisor. The new cloud-ready virtualization capabilities help improve system utilization by up to 50 percent

and reduce time to deploy new workloads.

• **IBM System Networking** delivers smarter data center networking with faster, flexible and standards-based solutions designed to increase performance while reducing cost, space, power and complexity for public and private clouds, as well as Big Data and analytics. New offerings include easier migration to private clouds with IBM 16Gbps Fibre Channel SAN backbones and switches, the new 1.28Tb/sec 40GbE IBM RackSwitch™ G8316 to flatten networks for greater performance and simplicity, the OpenFlow-enabled 10/40GbE IBM RackSwitch G8264 for increased client control, iFlow Director™ for high performance, low cost IBM BladeCenter-based appliances for mobile and Web 2.0 applications, and the new IBM Networking Operating System™ for today's dynamic, virtualized data centers.

About IBM

For more information on IBM Smarter Computing, please visit www.ibm.com/smartercomputing

(1) 8259.94 MBPS SPC-2 (LFP) Data Rate, $134.13 SPC-2 (LFP) Price-Performance

Source: http://www.storageperformance.org/results/benchmark_results_spc2/#BE00001

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