

Smarter Computing : Une réalité pour les clients x86 grâce aux nouvelles solutions d'IBM

IBM dévoile de nouvelles solutions pour répondre au défi du Cloud Computing et de l'analytique

Paris - 07 mars 2012: Conjointement au lancement du nouveau processeur Intel, IBM dévoilera son nouveau portfolio de solutions serveurs, notamment dans le domaine de l'Analytique et du Cloud Computing.

Cette nouvelle gamme de solutions serveurs et logiciel proposée par IBM, à la fois puissante et innovante, vise à étendre les capacités de l'Analytique et du Cloud, et ce à travers l'intégralité de la ligne de produits x86. Elle offre jusqu'à 62% de puissance informatique supplémentaire et jusqu'à 20% de plus pour les machines virtuelles, permettant un transfert rapide des données, requis pour l'implémentation du Cloud et de l'Analytique.

Les nouveaux produits IBM offrent au client plus de flexibilité et de puissance pour un coût réduit et répondent aux nouvelles exigences et problématiques du Cloud et de l'Analytique.

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IBM Unveils New Solutions to Help Make Smarter Computing Real for x86 Users

Expanding analytics and cloud capabilities across the IBM System x product line

ARMONK, N.Y. - 07 Mar 2012: IBM (NYSE: [IBM](#)) today announced new server solutions designed to expand cloud and analytics capabilities across its entire portfolio, helping make Smarter Computing a reality for x86 clients.

The new offerings include high-performance systems, networking and software products aimed at helping clients optimize data center operations with flexible, easy-to-deploy solutions to help reduce complexity, lower costs and deliver rapid return on investments.

Today, clients are looking for solutions that help them handle specific business challenges and make better use of existing IT infrastructures. More and more clients are turning to cloud computing, analytics and other smarter computing solutions to help their businesses grow. Cloud computing deployments are expected to grow more than 19% per year, according to IDC (1), and a recent IBM CIO study (2) showed cloud implementations nearly doubling from 33% to 60% over the last two years.

*"From the design of the servers, software and services, IBM solutions are created to help accelerate the journey to Smarter Computing," said **Adalio Sanchez, general manager, IBM System x business.** " IBM is delivering easy-to-deploy cloud and analytics products to help clients align their businesses to manage unprecedented amounts of data, and become much more efficient at turning that information into timely business insights."*

Among the solutions introduced is a new version of IBM's BladeCenter Foundation for Cloud (BCFC), an integrated virtualization platform with built-in system management and preconfigured with servers, storage, and networking. BladeCenter Foundation for Cloud is now powered by the new generation of IBM BladeCenter HS23 systems that offer 62% more compute power, and comes integrated with the new 10GbE Virtual Fabric technology that enables clients to run 20% more virtual machines, creating an optimal environment for building and deploying advanced cloud applications.

The increased bandwidth and up to four times more memory allows the HS23 to support faster data transfers that are essential to virtualized cloud and analytic workloads. In addition, IBM FastSetup for BladeCenter, a cost and time-saving console application can help clients reduce from days to hours the time it takes to complete large deployments.

Bytemobile and German Leibniz Supercomputer Center Bet on IBM Cloud and Analytics

California-based Bytemobile (<http://bit.ly/wwxyCC>) and Germany's Leibniz Supercomputing Center in Munich are among the first customers to purchase IBM next generation x86 systems. Santa Clara-based Bytemobile, a leading global provider of mobile Internet solutions for global wireless network operators, is using IBM BladeCenter HS23 servers as the foundation for its cloud computing implementation.

*"With the new performance capabilities of the BladeCenter HS23 combined with our software, we are able to achieve two-and-a-half times the performance over our previous infrastructure," said **Chris Koopmans, chief operating officer, Bytemobile.** "The IBM solution allows us to process large amounts of network data more quickly and easily. Given the way that video traffic is exploding on mobile networks around the world, this is crucial in being able to provide customers an optimal, seamless end-user experience."*

The Leibniz Supercomputing center provides supercomputing services to scientists in Munich, Bavaria, Germany and other parts of Europe. It is in the process of installing a new high-end supercomputer based on IBM System x iDataPlex technology, which will help scientists solve a broad range of challenging scientific problems.

*"Our new iDataPlex-powered SuperMUC system will help enable the scientific community to test theories, design experiments and predict outcomes as never before," said **Professor Dr. Arndt Bode, director of the LRZ supercomputing center.** "In addition, the new SuperMUC system will be able to provide previously unattainable energy efficiency along with sustained performance."*

IBM SmartCloud Solutions for Mid-sized Business Clients

IBM also introduced new and affordable SmartCloud solutions powered by its latest IBM System x 3650 M4 server, the most expandable, upgradeable system of its kind. The x3650 M4 demonstrated excellent performance on industry-standard benchmarks. It achieved a leadership two-processor score for SPECvirt_sc2010 benchmark (3), set a new record for two-processor server performance on TPC-E (4), more than 45% faster than the previous-generation result achieved by the HP ProLiant DL380 G7 server (5), and a leadership two-processor result on Windows on two-tier SAP SD standard application benchmark. (6)

The System x 3650 M4 also comes with IBM eXFlash solid-state storage technology, bringing exclusive IBM enterprise-class storage capability to a two-socket rack server. The SSD technology enables 30 times more performance and a 90% increase in performance per watt for consolidating collaboration and database

workloads. In addition, the new x3650 M4 system supports the IBM Smarter Analytics portfolio of offerings, a set of compact, integrated, single-analytics offerings supported by storage-dense System x two-socket systems running IBM InfoSphere Data Warehouse and Cognos business intelligence and performance management software.

IBM's new portfolio of x86 computing solutions also include:

- The **IBM System x iDataPlex dx360 M4**, which offers significant flexibility for supporting a wide range of high-performance computing workloads. The system is designed for datacenters requiring high performance with limited floor space, and power and cooling infrastructure. Available with specially designed exclusive IBM warm water-cooled technology, this iDataPlex system is up to 40 percent more energy efficient than air-cooled systems, recovering 90 percent of heat per nodes.
- The **IBM System x 3550 M4**, a dense, feature-rich 1U server designed for data and business critical workloads, and the **IBM System x3500 M4** tower that provides data center performance in a desktop package. The x3550 delivers four times more memory, more virtual machines, and improved networking performance in less space at a comparable price. The x3500 also offers four times the memory, plus 33% more storage capacity than prior generations. It is designed for quiet operation and fits easily under a desk or rack, making it ideal for office environments.
- **IBM Feature on Demand** across the IBM System x product line. Feature on Demand allows clients to activate or unlock features in the firmware or software on demand, providing customers the ability to grow their systems as they grow their businesses without the need for costly rip and replace.

New Business Partner Incentives to Sell Client Solutions

The IBM Solution Accelerator incentive is a new channel initiative to sell combined software and systems, and business solutions. It has two elements. First is a Software and Systems reward that amounts to a 5% incremental rebate for selling eligible IBM systems and a 15% percent incremental rebate for selling eligible software together to a single client. Secondly, a Business Solutions Reward offers an additional 10% rebate for selling a solution aimed at a particular IT challenge on eligible software content of the solution. Eligible solutions cover client needs such as turning information into insights, managing risk, security and compliance and social business. In addition, approximately 1% in fees can be earned when clients finance their solution through IBM Global Finance.

The new products will begin shipping worldwide by March 16, 2012.

About IBM

For additional information about IBM System x and BladeCenter solutions, visit: www.ibm.com/systems/x86/betterfuture.

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Footnotes:

(1) IDC Worldwide Enterprise Server Cloud Computing 2011-2015 Forecast, doc #228916, June 2011.

(2) IBM 2011 Global CIO Study, "The Essential CIO".

(3) x3650 M4's result: overall performance score of SPECvirt_sc2010 2,158 @ 132 VMs. Configuration: 2 chips/16 cores/8 cores per chip, Intel Xeon Processor E5-2690 (2.9GHz with 20MB L3 cache per processor), 512GB of memory, Red Hat Enterprise Linux® 6.2 and Kernel-based Virtual Machine (KVM) hypervisor. Result referenced is current as of March 6, 2012, and posted at http://www.spec.org/virt_sc2010/results/. View all results for SPEC benchmarks at <http://www.spec.org/>. SPEC and SPECvirt_sc are trademarks or registered trademarks of Standard Performance Evaluation Corporation (SPEC).

(4) x3650 M4's results: 1,863.23 tpsE (transactions per second E) at \$207.85 USD / tpsE, total solution availability May 31, 2012. Configuration: 2 processors/16 cores/32 threads, Intel Xeon Processor E5-2690 (2.9GHz with 20MB L3 cache per processor), 512GB of memory, Microsoft SQL Server 2012 Enterprise Edition, Microsoft Windows Server 2008 R2 Enterprise Edition SP1. Results referenced are current as of March 6, 2012. View all TPC results at www.tpc.org. See the details for this result at http://www.tpc.org/tpce/results/tpce_last_ten_results.asp

(5) HP ProLiant DL380 G7 Server with Intel Xeon Processor X5690 (3.46GHz—2 processors/12 cores/24 threads, Microsoft SQL Server 2008 R2 Enterprise Edition, Microsoft Windows Server 2008 R2 Enterprise Edition; 1,284.14 tpsE at \$250.00 USD / tpsE, total solution availability of May 4, 2011. Results referenced are current as of March 6, 2012. To view all TPC results, visit www.tpc.org.

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(6) IBM System x3650 M4's result of 7,855 SAP SD benchmark users on the two-tier SAP SD standard application benchmark: 2 processors/16 cores/32 threads, Intel Xeon Processor E5-2690 (2.9GHz with 20MB L3 cache per processor), 128GB of memory, 64-bit DB2 9.7, Microsoft Windows Server 2008 R2 Enterprise x64 Edition, and SAP enhancement package 4 for SAP ERP 6.0. Certification number 2012---

Results referenced are current as of March 6, 2012. View SAP benchmark results at <http://www.sap.com/benchmark>. SAP and all SAP logos are trademarks or registered trademarks of SAP AG in Germany and in several other countries.
