

IBM lance des nouveaux systèmes pour le déploiement de clouds hybrides et privés

Paris, France - 09 oct. 2013: Les entreprises sont à la recherche de solutions efficaces et simples à déployer pour mettre en place leur Cloud et exploiter au mieux les environnements hybrides afin de tirer parti notamment du Big Data et de fournir les outils nécessaires pour partager les ressources de façon innovante.

Cependant, elles souhaitent intégrer des services de Cloud externes tout en conservant le contrôle de leurs outils et de leur infrastructure.

En s'appuyant sur les offres matérielles et logicielles annoncées aujourd'hui et sur l'acquisition récente de la société SoftLayer, IBM offre aux responsables de départements métiers la possibilité de déployer leurs applications dans le Cloud et d'en retirer un bénéfice immédiat.

Les IBM PureSystems simplifient et accélèrent le Cloud et le Big Data

Depuis son lancement en avril 2012, IBM a livré plus de 6 000 PureSystems dans plus de 100 pays dont un grand nombre auprès des fournisseurs de services managés (MSPs) pour leurs services de Cloud comme en France par exemple chez Groupe ASTEN, PROGINOV, ARAMYS ou HARDIS. De très nombreuses nouveautés sur les IBM PureSystems simplifient les services de mise en œuvre, accélèrent le déploiement des environnements et conduisent à une meilleure efficacité d'un Cloud.

PureFlex System-Express, composé d'un seul châssis, est proposé à un prix adapté pour les PME et les déploiements départementaux. **PureFlex System-Enterprise**, en configuration multi-châssis avec haute disponibilité, est conçu pour des déploiements de Cloud évolutifs. Les deux offres supportent les architectures POWER et x86. Et IBM **PureApplication System** est désormais disponible en versions 32 ou 64 cœurs POWER 7 +.

Pour la virtualisation des postes de travail, **PureFlex Solution for SmartCloud Desktop Infrastructure** apporte la robustesse, la flexibilité et l'intégration attendues pour ce type de projet.

De nouveaux commutateurs internes renforcent les capacités de mise en réseau Ethernet, SAN ou convergé, pour intégrer les PureFlex System dans toutes les infrastructures réseau rencontrées.

IBM PureFlex pour IBM i constitue une solution intéressante pour les utilisateurs IBM i : il permet de réduire leurs coûts en consolidant les environnements i et les applications Windows au sein d'une solution unique IBM PureFlex. OpenStack est maintenant supporté par le portail de provisionnement IBM SmartCloud Entry.

Pour les entreprises traitant des volumes croissants de données, IBM **PureData for Analytics**, animé par la technologie IBM Netezza, dispose d'un nouveau modèle d'entrée de gamme avec un excellent rapport coût-efficacité. **IBM PureData System for Hadoop** est aujourd'hui disponible pour l'exploration du Big Data dans les domaines tels que les réseaux sociaux et l'analyse de texte.

Les IBM Power Systems, constituants de base pour des environnements ouverts et performants, prêts pour le Cloud et le Big Data

IBM lance une série de nouveaux Power Systems offrant un meilleur support des environnements de Cloud hybrides. Power **Solution Edition for Service Providers** est une solution de Cloud préinstallée, basée sur le support d'OpenStack par SmartCloud Entry et Power Virtualization Center.

IBM Power Integrated Facility for Linux (IFL) offre la possibilité d'activer à la demande des cœurs de processeur Power sous Linux, sans interruption de service.

La nouvelle solution d'accélération **IBM BLU - Power Systems Edition** exploite la technologie POWER7+ et combine le logiciel IBM DB2 et l'accélération BLU avec une technologie dynamique de colonnes 'in-memory' sur un système Power qui peut accueillir un entrepôt de données jusqu'à 20 téraoctets.

IBM Storage Systems aide à mieux gérer ses données dans un Cloud

IBM lance la baie de stockage **Storwize V5000** pour aider les PME à relever le défi des volumes de données en croissance constante. Positionnée au milieu de la gamme Storwize, elle offre les capacités de gestion et les performances avancées de la famille Storwize. Elle peut accueillir des disques traditionnels ou à technologie flash. Prête pour le Cloud, elle est proposée avec un support intégré pour OpenStack, et ses capacités de virtualisation et de tiering aident à construire des architectures de stockage en Cloud privé et hybride.

IBM annonce la disponibilité du nouveau système x86 à haute densité NextScale System

Cette plate-forme ouverte et flexible est capable d'accueillir 84 serveurs x86, soit 2016 cœurs de processeurs dans un seul rack standard, c'est-à-dire trois fois plus qu'une installation traditionnelle de serveurs indépendants. Elle est particulièrement adaptée aux montées en charge rapides d'applications en Cloud, de social business, d'analytique ou de calcul intensif, et s'intègre aisément dans un data center grâce aux choix de composants standards.

Des configurations de référence pour les applications de calcul en PME

Les **IBM Application Ready Solutions** sont destinées aux PME en quête de cluster de calcul optimisé, simple à déployer et à administrer. Développées avec les éditeurs de logiciels tels qu'ANSYS, Dassault Systèmes, MSC Software, mpiBLAST, autour des composants IBM NeXtScale ou Flex Systems, GPFS Parallel File System et Platform Computing, elles constituent autant de solutions de **HPC Cloud**.

IBM Global Financing

IBM Global Financing facilite les investissements informatiques des clients grâce à des options de financement flexibles qui permettent d'optimiser les flux financiers et de réduire le coût d'acquisition et les charges. Les clients d'IBM peuvent bénéficier par exemple d'une facilité de paiement à taux 0% sur 12 mois pour IBM Power Systems, Storage Systems et System x, ou d'une location avec valeur résiduelle sur 36 mois pour IBM PureFlex

Systems, Power Systems, Storage Systems et System x.*

De plus, la nouvelle application mobile de financement d'IBM Global Financing aide les partenaires commerciaux d'IBM à établir plus facilement des devis personnalisés pour leurs clients pour financer l'acquisition de technologies cloud, analytique, mobile ou encore social business ainsi que des solutions Smarter Planet d'IBM, en seulement quelques minutes et à tout moment, notamment lors de leurs déplacements en clientèle.

* Offres de location et d'ouverture de crédit, sous réserve d'acceptation du dossier par IBM Global Financing.

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IBM Delivers New Systems to Help Clients Take Advantage of Private and Hybrid Clouds

Singapore - 09 Oct 2013: In the new era of computing, businesses are looking for faster paths to the [cloud](#) to take advantage of the hybrid environments that maximize [Big Data insights](#) and provide innovative ways to share resources.

At [InterConnect 2013](#) today, IBM (NYSE: [IBM](#)) unveiled new systems and solutions that address these needs by helping clients and managed service providers (MSPs) build private and hybrid clouds to get the most out of [Big Data](#), [social](#), and [mobile](#) workloads. These include [PureSystems](#), [Power Systems](#), [Smarter Storage Systems](#), [System x](#), and [Technical Computing](#) offerings that provide the flexibility clients need to quickly deploy clouds.

Clients are looking to leverage public clouds while still maintaining control of them. This is causing organizations to embrace private and hybrid clouds where they can more easily manage in-house resources as they adopt external cloud services. According to analyst firm Gartner, Inc., hybrid cloud computing is at the same place today that private cloud was three years ago; actual deployments are low, aspirations are high, and nearly half of large enterprises will have hybrid cloud deployments by the end of 2017. The firm indicates in the past three years private cloud computing has moved from an aspiration to a reality for nearly half of large enterprises, and hybrid cloud computing is now on the same trajectory.

[\[1\]](#)

"IBM is uniquely positioned to compete aggressively for public, private and hybrid cloud computing opportunities," said Tom Rosamilia, Senior Vice President, IBM Systems & Technology Group and Integrated Supply Chain. "The new IBM Systems and solutions provide superior efficiency and agility to help clients quickly

deploy the right cloud infrastructure that best meet their needs."

With today's news, IBM also announced [new software and services](#) that can provide an easy on-ramp to line-of-business leaders to help them move key department workloads into the cloud for immediate returns. Building on its recent acquisition of [SoftLayer](#), IBM is bringing new integrated cloud capabilities to the entire C-suite that can allow executives to accelerate cloud adoption for business transformation.

IBM PureSystems Simplify and Accelerate Cloud and Big Data

IBM is introducing new capabilities across the PureSystems family that can help clients of all sizes experience the benefits of expert integrated systems. New [PureFlex](#) offerings can simplify service delivery, accelerate system deployment and drive improved efficiency for cloud environments. Key among these are two updated PureFlex configurations - **PureFlex System - Express** and **PureFlex System - Enterprise**. The **PureFlex System - Express**, available as a single chassis configuration, offers an affordable entry price point suitable for SMBs and departmental deployments in larger enterprises. The **PureFlex System - Enterprise** with highly available multi-chassis configurations is designed for scalable cloud deployments with built-in redundancy for resilient operation. Both systems support choice of POWER processor and x86-based compute nodes. The **PureApplication System** for simplifying and accelerating cloud applications is now available in smaller, 32 or 64-core configurations on POWER7+ with enhanced performance, density and resiliency.

Since its launch last year, IBM has shipped more than 6,000 systems in over 100 countries where clients have already taken advantage of PureSystems. This includes a large number of MSPs who are using the systems to deliver cloud infrastructures for their clients. These include [AMPORTS](#), [HELPCard](#) and [Tracewell](#).

Complementing these two new configurations are new PureFlex and Flex System compute nodes, networking options, and The **PureFlex Solution for IBM i**, a complete, integrated system with an attractive alternative that allows existing SMB IBM i clients to reduce IT costs and complexity by consolidating i and Windows applications on an IBM PureFlex solution. IBM is also expanding and simplifying its PureFlex cloud support with an easy upgrade path to advanced SmartCloud offerings, as well as a new SmartCloud Entry offering that provides support for OpenStack. The **PureFlex Solution for SmartCloud Desktop Infrastructure** is optimized to deliver superior performance and flexibility to meet clients' unique desktop virtualization business needs.

IBM is also introducing PureSystems to address big data and analytics. **PureData System for Analytics** has a new cost-effective entry model, powered by IBM Netezza technology that enables business to gain insights on ever growing volumes of data, simpler and faster. To simplify big data for the enterprise, **PureData System for Hadoop** enables big data exploration in areas like social and text analytics.

IBM Power Systems Solutions Provide Building Blocks for Faster, Open and Big Data-Enabled Cloud Environments

IBM introduces a series of new Power Systems offerings that further support hybrid cloud environments and can simplify clients' ability to adapt to emerging business needs at a lower cost with superior choice and flexibility compared to commodity servers based on decades old, PC era design.

The new [Power Systems Solution Edition for Service Providers](#) allows for fast go-to-market with a pre-built, pre-installed cloud solution that is based on OpenStack support for SmartCloud Entry and PowerVC. The Power Virtualization Center product, [IBM PowerVC](#), offers industry leading virtualization and management capabilities that can improve system resource efficiency and agility for virtual workload implementations. The new [IBM PowerVP](#) is a virtualization performance tool that helps clients respond to business needs faster by providing real-time insight through a graphical display. It enables further optimization of virtualized systems and helps identify potential performance bottlenecks.

For clients seeking open cloud environments, the new **Power Integrated Facility for Linux** can enable them to exploit the reliability, scale and performance of enterprise class Power Systems to improve quality of service and reduce the cost of managing their Linux ecosystem. Each Power IFL is comprised of four processor activations, memory activations and PowerVM license entitlements. With Power IFLs, clients can quickly activate capacity for Linux applications without interruption. And with PowerVM included, clients can accelerate response to changing priorities without incurring extra virtualization software licensing fees.

Processing speed is a concern for clients in all cloud environments. The new [IBM BLU Acceleration Solution - Power Systems Edition](#) exploits POWER7+ processor-based technology for 8x to 25x faster reporting and analytics

[\[2\]](#) and 10x storage space savings.

[\[3\]](#) The solution combines IBM DB2 software with BLU Acceleration with dynamic in-memory columnar technology and Power Systems.

ACPL Exports Pvt Ltd, the leading jewelry exporter based in Agra, India, has selected two IBM P7R1 [IBM Power Linux systems](#) over HP and Dell to sustain their business growth. The new systems integrate the company's SAP ERP management software, boosting performance 32 percent and lowering costs as much as 15 percent without increasing the size of its IT footprint.

IBM Storage Systems Better Manage Business Data in the Cloud

Big Data is changing the way people think about and use storage. From the sheer mountains of data being generated and shared, to a growing demand for added capacity and access to it via the cloud, Big Data is transforming how storage is managed and leveraged in the data center.

IBM is launching the new [Storwize](#) V5000 to help SMBs tackle this ever-growing data challenge. Positioned in the middle of the Storwize portfolio, the Storwize V5000 provides SMBs a flexible entry into the advanced

management capabilities and performance of the Storwize family. The system can be configured with disk and flash, and supports IBM Easy Tier capabilities that automatically place data in the most cost-effective tier. The cloud-ready system, which comes with built-in support for OpenStack, can help clients build private and hybrid cloud storage architectures, while virtualization and clustering capabilities help them take advantage of true Software Defined Storage that grows and adapts with their changing businesses.

IBM System x for SMB Workloads

Designed for smaller business workloads and applications such as email, file/print and Web serving, and suitable for hybrid cloud environments, the new [IBM System x3250 M5](#) can deliver superior performance, availability, and energy efficiency, with plenty of room to grow. The compact uni-processor rack server offers double the storage capacity, twice the data throughput, 18 percent better energy efficiency and 10 percent memory power savings over the previous generation on the same size chassis. With the server's simple and flexible interface, clients can use IBM's Feature on Demand function to easily and remotely upgrade key features on the x3250 M5, without costly server downtime.

IBM also announced general availability for later this month of its new [NeXtScale System](#), a flexible computing platform with three times as many cores as previous one-unit rack servers, ideal for the fastest-growing workloads such as social media, analytics, technical computing, and public, private and hybrid cloud delivery. This new system incorporates up to 84 x86-based systems and 2,016 processing cores in a standard EIA 19-inch rack, allowing easy integration into any data center and uses industry standard components including I/O cards and top-of-rack networking switches for flexibility of choice and ease of adoption.

IBM Technical Computing Delivers Optimized High Performance Cloud Solutions for Midmarket

The [IBM Technical Computing](#) portfolio is refreshed with a number of new and enhanced mainstream offerings including [Application Ready Solutions](#), NeXtScale System, and IBM Platform Computing software optimized for compute and data intensive workloads. These solutions can be deployed either to create a private cloud or be used in public clouds.

IBM Application Ready Solutions are geared for midmarket clients in need of optimized high performance cluster based solutions for high performance scale-out applications. Easy to deploy, manage and use, the solutions are developed with leading independent software vendors (ISVs) and are based on selected IBM systems such as new NeXtScale System and Flex System, workload management with Platform Computing, and GPFS parallel file system software. Application Ready solutions can be used to create a dynamic private HPC cloud depending upon user needs. New and enhanced ISV support includes ANSYS, Dassault Systemes, MSC Software, mpiBLAST, and Schlumberger. In addition, a new [IBM InfoSphere BigInsights](#) Big Data solution can help telecommunications, financial services, and other industry clients achieve near real-time big data analytics for competitive advantage.

[IBM Platform Computing](#) **software** solutions can help accelerate time to results and reduce costs with

enhanced workload, resource and cloud management. These solutions can also be used to manage local workloads as well as be deployed in public clouds. For instance, the enhanced **IBM Platform HPC** ensures fast time to cluster readiness, simplified management and ease of use in a single integrated product. The newest version of **IBM Platform LSF** Family delivers performance at scale while improving utilization and energy efficiency with enhanced policy controls, workflow management, and reporting for improved security and productivity. The updated **IBM Platform Symphony** provides faster MapReduce results on a lower-cost shared infrastructure, including native support for co-processor harvesting that is simple and more cost efficient to manage and maintain.

IBM is the global leader in cloud with a superior portfolio of open cloud solutions that help clients build, rent or tap into cloud capabilities. IBM has brought together unique industry knowledge and superior cloud capabilities to help more than 20,000 clients around the world. Today, IBM has more than 100 cloud Software as a Service (SaaS) solutions, 37,000 experts with deep industry knowledge helping clients transform, and a network of more than 25 global cloud delivery centers. Since 2007, IBM has invested more than \$6 billion in acquisitions to accelerate its cloud initiatives. Most recently IBM acquired [SoftLayer](#) with more than 21,000 clients in 140 countries to further build out its Infrastructure as a Service (IaaS) portfolio with an easy and secure on-ramp to cloud integrating [IBM SmartCloud](#).

IBM Global Financing

[IBM Global Financing](#) can help clients evolve and grow their IT investments with affordable financing that promotes greater flexibility, lowers TCO and increases predictability of payments. Clients can obtain 0% financing when they acquire IBM PureFlex Systems, Power Systems, Storage Systems, and System x technology or migrate their IBM i solutions to the latest technology platform. Also, IBM's new mobile financing application for IBM Business Partners can help facilitate closing more business with their clients -- anytime, anywhere on-the-go--to acquire the financing needed to deploy solutions for Big Data and Analytics, mobile computing, social business and Smarter Planet technologies within minutes.

To access images for this announcement, visit <http://bit.ly/18Nvttb>.

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For more information about cloud offerings from IBM, visit <http://www.ibm.com/smartcloud>. Follow us on Twitter at <http://www.twitter.com/ibmcloud> and on our blog at <http://www.thoughtsoncloud.com>.

(1) Private Cloud Matures, Hybrid Cloud Is Next, 06 September 2013,

[Thomas J. Bittman](#), Gartner, Inc.

(2) Based on internal IBM testing of sample analytic workloads comparing queries accessing row-based tables on DB2 10.1 vs. columnar tables on DB2 10.5. Performance improvement figures are cumulative of all queries in the workload. Individual results will vary depending on individual workloads, configurations and conditions.

(3) Client-reported testing results in DB2 10.5 early release program. Individual results will vary depending on individual workloads, configurations and conditions, including table size and content.
