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Avec le lancement de Unified Computing System, Cisco optimise la virtualisation

- Cisco dévoile une nouvelle architecture de centre de données, des services innovants et un écosystème ouvert de partenaires renommés pour aider ses clients à concevoir des centres de données de nouvelle génération qui tirent pleinement parti de tous les bénéfices de la virtualisation.
- Avec cette annonce, Cisco réalise les promesses de la virtualisation via Unified Computing, une architecture qui unit les silos du centre de données en une seule et unique architecture unifiée utilisant les standards de l'industrie.
- Cisco Unified Computing System est clé dans l'approche Cisco. Unified Computing System réunit serveurs, réseaux, accès au stockage et ressources de virtualisation dans un seul système à faible consommation d'énergie qui permet de réduire les coûts et la complexité de l'infrastructure, d'aider à prolonger la vie des investissements et de gagner en souplesse d'adaptation aux exigences à venir de l'entreprise.
- Ces annonces permettent à Cisco d'étendre son portfolio de solutions pour centre de données et sont une avancée majeure dans la stratégie Data Center 3.0 de la société. Pour aider les clients à accélérer la transition vers l'architecture Unified Computing, Cisco ouvre la voie avec une suite complète de services Unified Computing.
- Cisco annonce également collaborer avec des leaders de l'industrie sur Unified Computing System et son architecture.

Cisco Unleashes the Power of Virtualization with Industry's First Unified Computing System

Innovative Architecture Integrates Compute, Networking and Virtualization in a Single Platform; New Services and Partnerships Focused on Next Generation Data Centers

SAN JOSE Calif. – March 16, 2009– Cisco today unveiled an evolutionary new data center architecture, innovative services and an open ecosystem of best in class partners to help customers develop next-generation data centers that unleash the full power of virtualization. With today's announcement, Cisco is delivering on the promise of virtualization through Unified Computing — an architecture that bridges the silos in the data center into one unified architecture using industry standard technologies. Key to Cisco's approach is the Cisco [Unified Computing System](#) which unites compute, network, storage access, and [virtualization](#) resources in a single

energy efficient system that can reduce IT infrastructure costs and complexity, help extend capital assets and improve business agility well into the future.

Today's announcements extend Cisco's [data center portfolio](#) and are a critical step in the company's [Data Center 3.0](#) strategy. To help customers accelerate the transition to the Unified Computing architecture, Cisco is paving the way with a comprehensive suite of new [Unified Computing services](#). In addition, Cisco today announced [collaboration with industry leaders on the Unified Computing System](#) and architecture.

- **The Cisco Unified Computing System:** Based on industry standards, the Unified Computing System is a new computing model that uses integrated management and combines a “wire once” [unified fabric](#) with an industry standard computing platform to optimize virtualization, reduce data center total overall cost, and provide dynamic resource provisioning for increased business agility.
 - Reduces total cost of ownership: up to 20 percent reduction in capital expenditures (CAPEX) and up to 30% reduction in operational expenditures (OPEX).
 - Improves IT productivity and improves business agility: provision applications in minutes instead of days. Shifts the focus from IT maintenance to IT innovation
 - Increases scalability without added complexity: managed as a single system, whether it has one or 320 servers with thousands of virtual machines.
 - Improves Energy Efficiency: significantly reduces power and cooling costs
 - Provides interoperability and investment protection through industry standards-based infrastructure

- **Innovative Design for Next Generation Data Centers**

Taking a clean slate architectural approach to data center infrastructure, Cisco today introduced the Unified Computing System which unites compute, network, storage access, and virtualization into a scalable, modular architecture that is managed as a single system. The Unified Computing System is the first offering in a new family of products which complements the Cisco data center portfolio. Key Unified Computing System elements include:

- **Compute**– Cisco designed an entirely new class of computing system which incorporates the new Cisco UCS B-Series blades based on the future Intel® Nehalem processor families (the next generation Intel® Xeon® processor). The Cisco blades offer patented extended memory technology to support applications with large data sets and allow significantly more Virtual Machines per server.
- **Network**– The Cisco Unified Computing System provides support for a unified fabric over a low-latency, lossless, 10 Gigabit-per-second Ethernet foundation. This network foundation consolidates what today are three separate networks: local area networks (LANs), storage area networks (SANs) and high performance computing networks. This lowers costs by reducing the number of network adapters, switches, and cables and by decreasing power and cooling requirements.
- **Virtualization**– The Cisco Unified Computing System unleashes the full potential of virtualization, by enhancing the scalability, performance and operational control of virtual environments. Cisco security, policy enforcement, and diagnostics features are now extended into dynamic virtualized environments to better support changing business and IT requirements.
- **Storage Access**– The Cisco Unified Computing System provides consolidated access to both storage area networks (SANs) and to network attached storage (NAS). Support for a unified fabric means that the Unified Computing System can access storage over Ethernet, Fibre Channel, Fibre Channel over Ethernet or iSCSI, providing customers with choices and investment protection. In addition, IT staff can pre-assign storage access policies for system connectivity to storage resources, simplifying storage connectivity and management, and helping to increase IT productivity.

- **Management**– Management is uniquely integrated into all the components of the system, enabling the entire solution to be managed as a single entity through the Cisco UCS Manager. The Cisco UCS Manager provides an intuitive graphical user interface (GUI), a command line interface (CLI), and a robust application programming interface (API) to manage all system configuration and operations. Cisco UCS Manager helps to increase IT staff productivity, enabling IT managers of storage, networking, compute and applications to collaborate on defining service profiles for applications. Service profiles help to automate provisioning and increase business agility, allowing data center managers to provision applications in minutes instead of days.
- **Energy Efficiency**– IT managers can achieve more energy efficient data centers with the Cisco Unified Computing System – it uses one-half the components, and requires less cabling and power/cooling than legacy server installations.
- **Cisco Unified Computing Services**
 - Building on more than a decade of experience in the data center, Cisco today launched a suite of new [Unified Computing Services](#) to help customers capture the full technical and business benefits of the Cisco Unified Computing architecture.
 - Strengthening the data center portfolio already offered by Cisco and our partners, the new services range from architecture design, planning, and migration, to operations, and remote management. These services touch all aspects of data center resources—people, processes, and technologies.
 - Cisco’s unique collaborative services model combines Cisco Services’ deep intellectual property with best-in-class services partnerships to deliver integrated solutions to our customers.
- **Open Partner Ecosystem** – Cisco is collaborating with an open ecosystem of industry leaders to help stimulate technology innovation, augment service delivery, and accelerate market adoption of Unified Computing. More details on these partners available [here](#).
- The Cisco Unified Computing System and associated services will be generally available to customers starting in calendar the second quarter of 2009.

Supporting Quotes:

- “The Virtual Machine has become the new atomic building block of the data center, creating new challenges and opportunities with the potential to transform the computing environment and deliver significant benefits,” said Mario Mazzola, senior vice president, Server Access and Virtualization Business Unit, Cisco. “Taking advantage of this architectural shift in the data center, we developed a unique new computing model that transforms the data center into a dynamic IT environment with the power to increase productivity, improve business agility and drive the benefits of virtualization to an entirely new level.”
- “Savvis is excited to be one of the first service providers to test the Cisco Unified Computing System and we see an opportunity for increased value to customers directly attributable to this new architectural model,” said Bryan Doerr, Chief Technology Officer at Savvis. “For us to operate virtualized and cloud environments reliably, affordably and at large scale is paramount to offering compelling value to our customers worldwide.”
- “In today’s economy, IT organizations are mandated to increase productivity and cut costs while maintaining the IT excellence that provides their companies with a competitive edge,” said John Enck, managing vice president, Infrastructure and Operations at Gartner. “CIOs will invest in innovative technology if it increases productivity, protects their existing IT investments, and demonstrates real benefits that will extend the life of the data center.”
- “The Cisco Unified Computing System offers a clean-sheet approach to solve data center challenges by offering a single holistic solution with integrated management and the critical support necessary for scaling

virtualization,” said Vernon Turner, senior vice president of Enterprise Infrastructure, Consumer and Telecom Research at IDC. “By increasing the performance and scale of virtualized environments while at the same time improving the ability to control and manage virtual workloads, this solution has the potential to deliver the full benefits of virtualization across the data center to increase productivity and agility and reduce IT costs.”

Supporting Resources:

- View John Chambers [video](#) on the new Cisco Unified Computing System
- [View video on the innovation in the Unified Computing System](#)
- Read feature article: [Cisco Begins a New Era in the Data Center](#)
- Press release: [Cisco Builds Global Partner Ecosystem to Drive Industry Transition to Unified Computing](#)
- Learn more about the [Cisco Unified Computing System](#)
- Learn more about [Cisco Data Center Services](#)
- View photos [here](#)
- Read “[Cisco Data Center](#)” blog
- Follow [Cisco CTO Padmasree Warrior](#) on Twitter.
- Follow the [Cisco Data Center team](#) on Twitter.

Register to attend live webcast: [Cisco Unified Computing System](#)

Monday, March 16, 2009 at 10:30 a.m.-12:30 p.m. PT

Technorati Tags: Cisco, data center, virtualization, unified fabric, unified computing, blade server, server, data center network, switching

About Cisco Systems

Cisco, (NASDAQ: CSCO), is the worldwide leader in networking that transforms how people connect, communicate and collaborate. Information about Cisco can be found at <http://www.cisco.com>. For ongoing news, please go to <http://newsroom.cisco.com>.

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