

### Experience the Cisco Data Center Business Advantage

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#### Top Story

#### Cisco Increases Focus on Innovation and Performance



The New Cisco Nexus 7000 9-Slot Switch Combines Architectural Flexibility with Revolutionary Scalability

**New switching products and services provide architectural flexibility for any scale, any application, at any location.**

Cisco recently announced compelling [data center innovations](#) in the Cisco Nexus® switching portfolio, delivering outstanding architectural flexibility and revolutionary scalability. Cisco has also raised the standards with new approaches to virtual security and network services.

These improvements meet Cisco's diverse customer requirements, ranging from massively scalable data centers, Big Data and Hadoop environments, cloud-based architectures, and bare-metal deployments. Regardless of how complex your data center needs are, Cisco can meet the challenges with one evolutionary network: Cisco® Unified Fabric.



#### Live Event

Join Cisco executives, customers, and industry experts on October 25, 9 a.m. (Pacific Time) to learn how Cisco is continuing its innovation leadership with its data center fabric approach and helping IT departments increase operation efficiency and agility.

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Cisco Unified Fabric is Cisco's converged storage and networking platform. Together with Cisco Unified Computing and Unified Network Services, it is one of the primary components of Cisco Data Center Business Advantage. Cisco Unified Fabric is designed to provide a data center networking solution that meets the needs of traditional, virtualized, and cloud data centers. This powerful combination of scalable design and enhanced virtual security and network automation gives IT departments a new level of efficiency and agility. For example, consider the experience of Mantara, a New Jersey-

-based company that develops ultra-low-latency technology solutions for the high-frequency trading industry.

Mantara improved its performance and eased management with Cisco Unified Fabric. The company selected Cisco Nexus 7000 Series Switches as the foundation for a modular switching system. "With everything on a common Cisco command-line interface, we can easily address any issues in the network," says Victor Kokaram, Mantara's head of infrastructure. "Plus, we have the better security and ease of management that Cisco is so famous for."

#### Cisco meets diverse customer requirements:

- High performance and investment protection with the [Cisco Nexus Family](#)
- Cloud, enterprise, and high-performance capabilities with [Cisco Nexus 3000 Series Switches](#)
- Advanced virtualization security with the [Cisco ASA 1000V Cloud Firewall feature](#)
- Improved uptime and efficiency with [data center optimization services](#)

Here is an overview of the new enhancements recently announced:

#### Cisco Nexus 7000 Series

The Cisco Nexus 7000 Series, with the new Fabric 2 Modules and high-density 10 Gigabit Ethernet Layer 2 and 3 F2-Series and Fabric 2 line card, offers significant power savings and twice the performance of the F1-Series, with similar 10 Gigabit Ethernet prices.

#### Cisco Nexus 7000 9-Slot Switch

The new Cisco Nexus 7000 9-Slot Switch is designed to meet the needs of the most mission-critical data center environments and campus core deployments. With its small (14-rack-unit [14RU]) form factor, high availability, and exceptional performance using the Fabric 2 module, the Cisco Nexus 7000 9-Slot Switch enables transparent transition from the popular Cisco Catalyst® 6500 and 6500E Series Switches without the need for new cabling or rack-space changes.

#### Cisco Nexus 5500 Platform

For service provider and large enterprise cloud environments, the Cisco Nexus 5500 product line now supports FabricPath technology, bringing Layer 2 routing to the platform.

#### Cisco Nexus 1000V Switch

The Cisco Nexus 1000V virtual switch will be available on the Microsoft Hyper-V hypervisor starting in 2012 with the release of Microsoft Windows Server 8. Cisco also announced VXLAN (jointly developed with VMware, Citrix, Red Hat, and others), a technology to scale VLANs for cloud deployments and logically isolate shared network segments.

#### Cisco ASA 1000V

The Cisco ASA 1000V Cloud Firewall is a virtual instance of the industry-leading Cisco ASA Series Adaptive Security Appliance running in the Cisco Nexus 1000V virtual infrastructure, providing continuity and consistency for security services across physical, virtual, and cloud environments.

#### Cisco Application Control Engine Software Release 5.1

The Cisco Application Control Engine (ACE) application delivery controller software refresh brings IPv6 application delivery and other enhancements to Cisco Unified Network Services and Unified Fabric.

#### Cisco Unified Fabric Optimization Service

The Cisco Unified Fabric Optimization Service provides an inventory and a complete view of all aspects of the data center. With this information, Cisco can help organizations prepare for change; optimize existing operations; and improve security, efficiency, and availability.

Together, these new enhancements help meet the evolving and challenging requirements of the data center using one evolutionary network: Cisco Unified Fabric.

[Learn More](#)

#### Awards

**Cisco wins the 2011 Nemertes Research PilotHouse Award: Virtualization for Servers, Application Delivery Optimization, Data Center Firewalls, and Unified Communications.**



#### Events and Webinars

- October 27, 2011, 10 a.m. (Pacific Time), Cisco Customer Conversation: Global Cash Access, [Register](#)
- December 5 to 8, 2011, Gartner Data Center Conference Las Vegas, [Register](#)
- Can Your Network Deliver the Cloud? Webinar Series, [Watch Now](#)

#### Press

- [Cisco Network Innovation Enables the Most Scalable Data Center Fabric on the Planet](#), October 18, 2011
- [Cisco Desktop Virtualization Solution Brings Unified Voice and Video to Virtual Environments](#), October 12, 2011
- [HP and Cisco Deliver Cisco Nexus Fabric Extenders for HP BladeSystem](#), October 14, 2011
- [Cisco Accelerates Innovation in Data Center Virtualization with Microsoft](#), September 20, 2011
- [When You Overpromise and Under Deliver, You've "Junipered"](#), September 11, 2011

#### Case Studies and Benchmarks

##### Case Studies

- [Yahoo! Japan improves service base with support for Cisco Nexus 7000 Series data center](#)
- [Data center helps leading Russian social media website Kohtakte manage growth, reduce costs, and improve users' experience](#)
- [NTT Data uses Cisco Unified Computing System™ \(Cisco UCS™\) for integrated virtualization of in-house IT system platforms and reduce total cost of ownership \(TCO\)](#)
- [Logicalis offers cloud computing as a service](#)
- [ConnectEdu moves data center to the cloud](#)
- [Wellmont Health System uses Cisco Nexus platform to increase bandwidth while lowering costs](#)
- [Mantara securities trading firm gains competitive advantage with Cisco Unified Fabric](#)

##### Benchmarks

- [Cisco UCS B440 M2 High-Performance Blade Server: Record-setting enterprise application performance](#)
- [High-density Cisco UCS blade servers set world Java business application performance records](#)
- [World-record-setting performance: Cisco Unified Computing System and Intel Xeon processors](#)
- [Cisco UCS C460 M2 High-Performance Rack-Mount Server: Best cloud computing performance available anywhere](#)

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