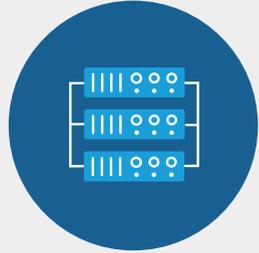


MODERNIZE YOUR DATA CENTER

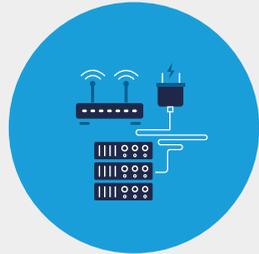
With Cisco Nexus Switches



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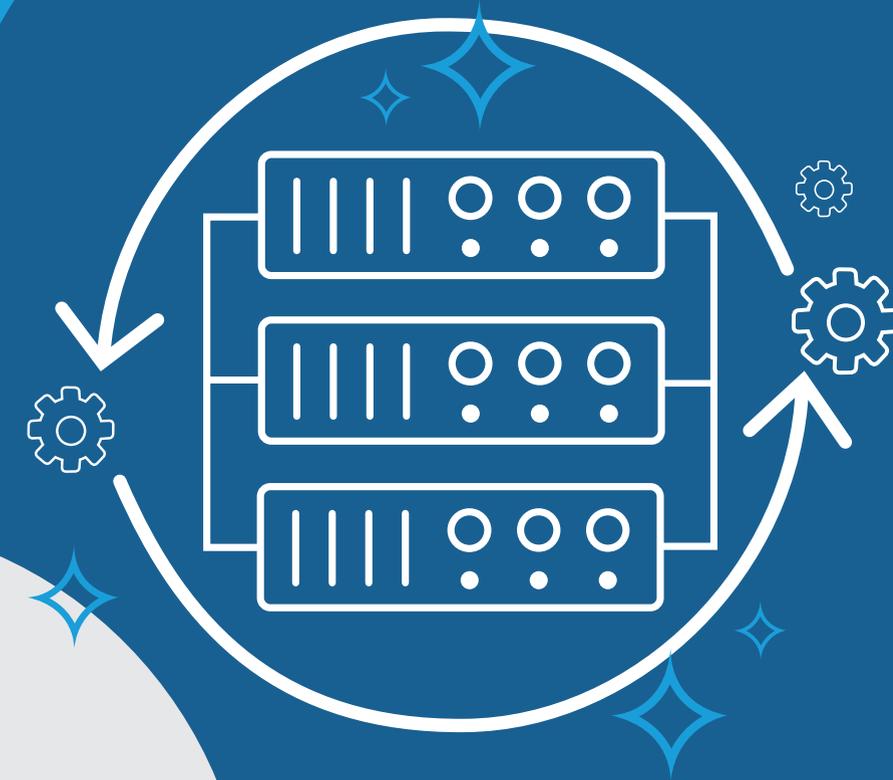
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Data Center Needs are Changing



Data Center Needs are Changing

The transition we're going through is creating new challenges and requirements for the modern, next-generation data center:

As we transition to the world of many clouds and IT that is more service-driven, data center requirements are changing quickly. Organizations are dealing with more mobile devices, increased bandwidth needs, and new types of data center traffic patterns from new breeds of applications coming to the network.

With requirements changing at such a quick pace, organizations are seeing that their data center infrastructure is aging and struggles to keep up – especially in performance, scalability, and the ability to introduce new technology like OTV and Application Centric Infrastructure (to name a few.) This is because most legacy equipment was “network specific,” meaning infrastructure is either simple but lacking in scalability, or highly scalable but complex.



Simplification and Visibility

Faster app deployment without compromise



Scalable Performance and Future Readiness

Deliver scale and agility



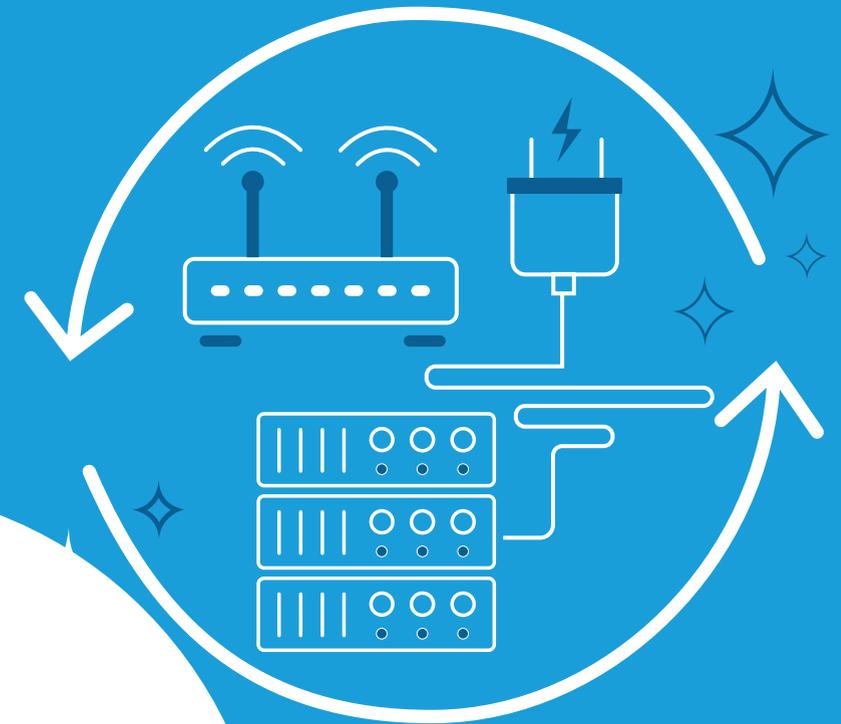
Open and Secure

Flexible for cloud models in an open ecosystem

So, how can you begin a transition to a modernized data center?

- 1.** As your business evolves and you look toward new technologies and applications to grow the business, the data center switching architecture that underpins the delivery of enterprise-wide applications and services must provide the scalability, convergence, and intelligence that will enable your business to thrive.
- 2.** You'll also need to find a data center partner like KeyInfo who has their own data center to test and validate the latest data center switching technology.

Cisco Nexus Switches Lead the Transition to a Next Generation Data Center



Cisco Nexus Switches Lead the Transition to a Next Generation Data Center

The Cisco Nexus family of data center switches provides industry leading products and innovations that enable you to transform your data center through key capabilities that create a simpler, smarter, more scalable and resilient network.

The Nexus switch line contains a full set of feature rich switches to meet the modern needs of your data center—from the Nexus 9000 line which provides the switching foundation for Application Centric Infrastructure, to the Nexus 5000 which provides true converged networking, down to the Nexus 1000V which integrates directly with your server hypervisor.

Nexus provides the industry's most comprehensive data center features and capabilities. Nexus switches are built upon the enterprise class NX-OS software which encompasses modularity, resiliency, and serviceability at its foundation. The Nexus 7K and 5K also provide unified operating environments for both LAN and SAN. In addition, Cisco's Nexus portfolio leads the transition to 10/40/100 Gigabit Ethernet.

Nexus Switches: Overview

Nexus 9000: Leading transition to 40Gbps, Application Centric Infrastructure

Nexus 7000: High port-density, richest feature set, highest availability

Nexus 5000: 10Gbps-optimized, Unified Ports, mature technology

Nexus 3000: Ultra-low latency, merchant and Cisco ASICs, integrated L3

Nexus 2000: A low-cost, small-form factor extension to the larger Nexus switches that allows for increased port density without adding additional points of management



When it comes to data center networking, Cisco is the global leader with the largest install base of any vendors in the Gartner Magic Quadrant.

Outcomes and Use Cases



Outcomes and Use Cases

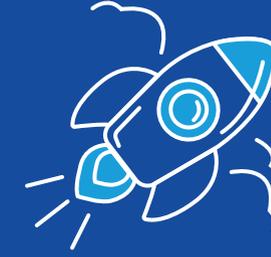
Cisco Nexus switches...

are designed specifically to reduce IT costs, simplify management, and increase the capability of the data center network to support future business demands. Customers who have migrated to Cisco Nexus switches have experienced up to 75 percent savings in infrastructure costs, up to 80 percent faster deployment times, and up to 60 percent savings in power and cooling costs. They've even been able to double the size of the data center network with the same IT staff size.*

Customers are also seeing better IT reliability, simpler IT management, and seamless scalability as their organization changes.



75% savings in infrastructure costs



Up to 80% faster deployment times



Up to 60% savings in power and cooling costs

Cisco Nexus switches support network requirements for many of today's data center use cases:

- Traditional Enterprise Applications (SDN and Overlays)
- Private or Hybrid Cloud, and X-as-a-Service
- Big Data
- LAN/SAN Convergence
- Business Continuity and Disaster Recovery

Cisco Nexus switches support the unique needs of specific verticals:

- **Financial:** High-Frequency Trading
- **Education:** Cross Campus Connectivity
- **Healthcare:** Integration with Strict Compliance Requirements
- **Retail:** Enabling faster application production

Finding the Right Data Center Partner



Finding the Right Data Center Partner

As you search for a partner to help your organization transition to a modern, next-generation data center, it is important to look for just that – a partner.

**Curious, interested, or want
to take the next step?**

**Sign up for a FREE Network Switching Assessment by KeyInfo, and
let us evaluate your current IT environment and architecture**

**Schedule A Network
Switching Assessment**

[Learn More about our Networking Solutions](#)

Key Information Systems (KeyInfo) offers a holistic approach to helping you meet your changing data center requirements because we've been creating end-to-end enterprise solutions since 1999. We truly have the experience to help you address the IT needs of your entire organization, and architect the right IT solutions to support them – today and tomorrow. We are focused on helping our clients save costs, manage fewer devices, and quickly deliver IT applications and services to their business units.

ABOUT KEYINFO

Key Information Systems, Inc. (KeyInfo™) is a leading regional systems integrator with world-class compute, storage and networking solutions and professional services for the most advanced software-defined data centers. These competencies are tightly complimented by a full suite of data center capabilities, including private and hybrid cloud offerings, connectivity services, colocation facilities and managed services.

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