

# Greater Networking Visibility and Control



## Benefits

- Improved services delivery  
Standardized operations and agile infrastructure simplify client operations and increase efficiencies
- Reliable performance and scalability  
Spine-and-leaf architecture expands easily and prevents bottlenecks
- Expanded management options  
Can modify customers' cloud performances by controlling networking hardware, instead of focusing on storage and compute resources

## Cisco Solution

- Cisco Nexus® 9000 Series Switches provide scalable, cost-efficient port density for 40 GE
- Cisco® Application Centric Infrastructure (ACI) simplifies application network provisioning with policy-driven services and automation
- Cisco ACI and Nexus 9000 switches support secure multi-tenancy at the hardware level
- Cisco solution avoids performance degradation common to software-defined networking (SDN)

### Key Information Systems

Size: 60 employees

Location: Agoura Hills, CA

Industry: IT

"The Cisco Nexus 9000 and Cisco ACI allow us to rapidly provision applications for our clients. It's the perfect mix of control and scalability."

—Clayton Weise, Director of Cloud Services, Key Information Systems

© 2015 Cisco and/or its affiliates. All rights reserved.

Key Information Systems continually evolves to meet the needs of customers. In addition to reselling technology from manufacturers including Cisco, Key Info provides cloud-enabled data center services to organizations in Southern California.

The latest evolution at Key Info also happens to be the latest evolution at Cisco. Key Info wanted to upgrade the existing Cisco networking technology in its data centers to better accommodate today's and tomorrow's needs for cloud services. Key Info chose Cisco Nexus 9000 Series switches and the Cisco Application Centric Infrastructure (ACI).

ACI devices are managed by the Cisco Application Policy Infrastructure Controller (APIC). With ACI, Key Info can automate application network provisioning and support the latest generations of distributed applications in both existing virtualized and non-virtualized environments. By tackling network provisioning at the hardware level, Key Info is able to avoid the performance problems that can occur in software-defined networking.

The spine-and-leaf architecture in ACI helps minimize the risk of latency and bottlenecks between switches while it helps minimize the need to oversubscribe. It is also easier to scale with Cisco Nexus 9000 spine and leaf switches, which can expand to up to 30Tbps of non-blocking performance. Multi-tenancy security is also reinforced because Key Info can control data access at the hardware and software levels.

The benefits of updating Cisco networking solutions at Key Info are twofold. Its cloud-enabled data center customers get fast, reliable service. Plus, Key Info can showcase Cisco ACI and Nexus 9000 solutions to customers who are looking to improve their data center performance. It's easier to make the case to a customer when it's your platform of choice.

Key info is also moving to OpenStack for their managed hosting offering and the scalability, performance, and agility achieved by combining the flexibility of software (OpenStack Platform and ACI) and with the performance of hardware (ACI) is extremely valuable.