

Cisco Services for Application Centric Infrastructure and Cisco Services for Cisco Nexus 9000 Series Switches



Application Centric Infrastructure: A New Era in the Data Center

Your data center has become a strategic asset. And with that change comes increased pressure, as new applications and new operational models create new requirements for data centers. New requirements that demand infrastructure and architectural change might lead you to ask yourself: Is my data center ready for cloud? For mobility? For big data?

Keeping up requires application flexibility, agility, and ease of operation. That's why using an application-centric operational model is now so essential. With closely integrated infrastructure, systems management, and application layers, Cisco® Application Centric Infrastructure (ACI) equips you to meet these demands. Cisco ACI is an innovative, highly secure architecture built from the ground up to deliver centralized, application-driven policy automation and management. It also gives you visibility into physical and virtual networks. Cisco ACI gives IT leaders the ability to manage even the most complex private, public, brokered, or hybrid environments more easily and transparently. Even in large, global operations running hundreds of applications, the Cisco ACI architecture can lower operational overhead and deliver higher service levels.

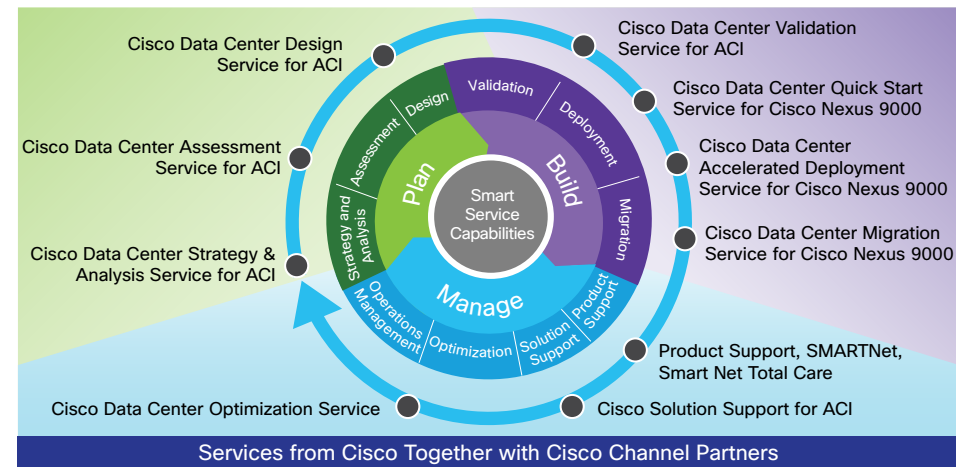
Your Network, Your Way

The Cisco ACI makes IT more agile by reducing application deployment time. It does this by providing a common programmable automation and management framework for network, application, security, and virtualization teams. Cisco ACI is built on a fabric foundation that combines hardware, software, and ASIC innovations into an integrated system. With that foundation, it delivers best-in-class infrastructure optimized to run today's physical and virtual applications and tomorrow's emerging architectures. Cisco ACI supports an "application anywhere" model with complete freedom of application movement and placement. The building blocks of Cisco ACI include:

- Application-focused fabric
- Centralized management, automation, and orchestration
- Extensibility and openness through open source and open APIs

By automating layers of configuration previously done manually, Cisco ACI simplifies operations. By helping you make sure security is "always on," Cisco ACI gives you the confidence to dynamically insert services and provide connectivity at any time.

Figure 1. Cisco Services for Cisco ACI and Cisco Nexus 9000 Series Switches Cover All Stages of the IT Lifecycle





Cisco Services for Cisco ACI

Cisco ACI can deliver significant advantages for your business. To accelerate the benefits while also mitigating implementation risks, we offer Cisco Services for Cisco Application Centric Infrastructure. These services provide expert guidance to achieve your business and technical objectives and can help you:

- Identify and address technical and operational readiness to effectively deploy this architecture to support your target use cases
- Prepare your data center infrastructure for the new classes of applications (cloud-based, performance-intensive, big data-driven) in today's dynamic environments
- Simplify operations through integration at the infrastructure, systems, and management levels
- Allow centralized application-based policy automation, programmability, and visibility into physical and virtual networks from a single point of management
- Protect capital and operational investments while gaining a simple transition path from existing environments to an architecture based on Cisco ACI

Cisco offers a range of professional, solution, and product support services for each stage of your Cisco ACI deployment:

- **Cisco Data Center Strategy and Analysis Service for Cisco ACI:** Helps develop technology strategy for adopting Cisco ACI based on business and technology needs. The service performs an opportunity analysis for migration to an infrastructure based on Cisco ACI and identifies and prioritizes business-effect scenarios. Using tools and frameworks we developed and extensively tested, the service incorporates your unique findings into a customized master plan.
- **Cisco Data Center Assessment Service for Cisco ACI:** Provides operations readiness, migration strategy, and process for future migrations. The service provides hardware, software, and feature analysis; high-level details about Cisco ACI integration with current infrastructure; adoption strategy from a migration perspective; and an API evaluation to identify integration with the Cisco Application Policy Infrastructure Controller (APIC). The Operations Assessment will identify gaps and make recommendations in key areas: people and skills, management processes and tools, and technologies.

- **Cisco Data Center Validation Service for Cisco ACI:** Pilots the Cisco ACI solution with a simulator so you understand its capabilities and gain experience to reduce your deployment risk.
- **Cisco Data Center Design Service for Cisco ACI:** Helps design a data center environment based on Cisco ACI, including infrastructure, fabric POD planning, and design with application policy templates. For custom applications, this service will define application network profiles, define endpoint groupings, and provide policy definitions and fabric constructs related to application profiles.
- **Cisco Solution Support for Cisco ACI:** Offers a “one-stop shop” to reduce duration and effects of disruptions by adding solution-level perspective along with SMARTnet® product support to your device-level service contracts.

Cisco Services for Cisco Nexus 9000 Series Switches

Cisco Nexus® 9000 Series Switches provide the foundation for Cisco ACI and deliver savings in capital expenditures (CapEx) and operating expenses (OpEx) to achieve an agile IT environment. Cisco Services can help with each stage of your Cisco Nexus 9000 Series deployment:

- **Cisco Data Center Quick Start Service for Cisco Nexus 9000 Series Switches:** Provides consulting services that include technical advice and assistance to help deploy Cisco Nexus 9000 Series Switches.
- **Cisco Data Center Accelerated Deployment Service for Cisco Nexus 9000 Series Switches:** Delivers planning, design, and implementation expertise to bring your project into production. The service also provides recommended next steps, an architectural high-level design, and an operational readiness guideline to scale the implementation throughout your environment.
- **Cisco Migration Service for Cisco Nexus 9000 Series Switches:** Helps you migrate from Cisco Catalyst® 6000 Series Switches to Cisco Nexus 9000 Series Switches.
- **Cisco Product Support:** Is available globally 24 hours a day, 7 days a week for Cisco software and hardware products and technologies associated with Cisco Nexus 9000 Series Switches. Enhanced support options delivered by Cisco also include Solution Support for ACI, Cisco SMARTnet Service or Cisco Smart Net Total Care*.

* Cisco products only



Why Cisco Services

With Cisco Services, you can know more, save more, and innovate more. You can rely on us because we are the worldwide leader in IT, helping companies seize the opportunities of tomorrow. We have more than 28 years of experience, more than 50 million installed devices, and 6 million customer interactions each year. Delivered by Cisco and our Cisco channel partners, service engagements result in measurable business gains for our customers, who have achieved benefits such as 15 to 20 percent faster acceleration to revenue¹; 30 percent lower infrastructure costs; 50 percent faster disaster recovery; and 90 percent reduction in deployment time. For information about Cisco Services, visit www.cisco.com/go/dcservices.

Availability

Cisco Services for Cisco ACI and Cisco Services for Cisco Nexus 9000 Series Switches are globally available. Contact your local Cisco account manager or channel partner for availability in your area.

For More Information

For more information about Cisco Services for Cisco ACI or for Cisco Nexus 9000 Series Switches, contact as-aci-support@cisco.com or visit www.cisco.com/go/ACI.



¹ Reviews of customer engagements