Cisco Application Centric Infrastructure

Reducing TCO, automating IT tasks and accelerating data center application deployment

Transformation Through Innovation with SDN

Software Defined Networking (SDN) is enabling organizations to accelerate application deployment and delivery, dramatically reducing IT costs through policy-enabled workflow automation. SDN technology enables cloud architectures by delivering automated, on-demand application delivery and mobility at scale. SDN enhances the benefits of data center virtualization, increasing resource flexibility and utilization and reducing infrastructure costs and overhead.

SDN accomplishes these business objectives by converging the management of network and application services into centralized, extensible orchestration platforms that can automate the provisioning and configuration of the entire infrastructure. Common centralized IT policies bring together disparate IT groups and workflows. The result is a modern infrastructure that can deliver new applications and services in minutes, rather than days or weeks required in the past.

SDN delivers speed and agility when deploying new applications and business services. Flexibility, policy and programmability are the hallmarks of Cisco's SDN solutions, with a platform capable of handling the most demanding networking need of today and tomorrow.

ACI: Agile, Open and Secure

IT departments and lines of business are looking at cloud automation tools and SDN architectures to:

- Accelerate application delivery
- Reduce operating costs
- Greatly increase business agility

Cisco® Application Centric Infrastructure (ACI) is a comprehensive SDN architecture. This policy-based automation solution supports a business-relevant application policy language, greater scalability through a distributed enforcement system, and greater network visibility. These benefits are achieved through the integration of physical and virtual environments under one policy model for networks, servers, storage, services and security.

Through Cisco ACI, customers are reducing application deployment times from weeks to minutes. It also dramatically improves IT alignment with business objectives and policy requirements.

Cisco ACI Taking Data Centers to the Next Level of Automation

Cisco ACI addresses user demands and changing application requirements by utilizing a different approach that is simple, more agile and application centric.

- **Centralized Policy-Defined Automation Management**
  - Holistic application-based solution that delivers flexibility and automation for agile IT
  - Automatic fabric deployment and configuration with single point of management
  - Automation of repetitive tasks, reducing configuration errors

Cisco ACI takes data centers to the next level of automation by addressing user demands and changing application requirements.

OneNeck® IT SOLUTIONS
a TDS® Company

- **Real-time visibility and application health score**
  - Centralized real-time health monitoring of physical and virtual networks
  - Instant visibility into application performance combined with intelligent placement decisions
  - Faster troubleshooting for day-2 operation
- **Open and comprehensive end-to-end security**
  - Open APIs, open standards, and open source elements that enable software flexibility for DevOps teams, and firewall and application delivery controller (ADC) ecosystem partner integration
  - Automatic capture of all configuration changes integrated with existing audit and compliance tracking solutions
  - Detailed role-based access control (RBAC) with fine-grained fabric segmentation
- **Application agility**
  - Management of application lifecycle from development, to deployment, to decommissioning—in minutes
  - Automatic application deployment and faster provisioning based on predefined profiles
  - Continuous and rapid delivery of virtualized and distributed applications

About OneNeck® IT Solutions

OneNeck IT Solutions LLC offers hybrid IT solutions including cloud and hosting solutions, managed services, enterprise application management, advanced IT services, IT hardware and top-tier data centers in Arizona, Colorado, Iowa, Minnesota, New Jersey, Oregon and Wisconsin. OneNeck's team of technology professionals manage secure, world-class, hybrid IT infrastructures and applications for businesses around the country. Visit oneneck.com.

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