Cisco Mobility Services Readiness Assessment Service

Speed Deployment of Mobility Services, Rich Media Applications, and Mobile Devices

Smoothly transition to business mobility enabled by rich media collaboration:

- Align your wireless goals with business and technical objectives
- Identify opportunities to deploy mobility services for increased productivity, responsiveness, and collaboration
- Assess network readiness with proven plan and design methodologies
- Identify and address potential migration issues before they arise
- Improve the efficiency of network design, staging, and migration while avoiding costly delays

The Need for a New Collaboration Experience

The nature of work is changing rapidly. Organizations are supporting an increasingly dispersed and mobile work force to enable cross-organization teaming, to manage the growing proliferation of video, and to develop new models for customer care. These changes are prompting businesses to look more closely at the way they are empowering their workforce, partners and customers to communicate and collaborate.

New levels of innovation and efficiency are unlikely to come from adding more traditional IT systems, office tools, and applications. Rather, competitive advantage and enhanced productivity will come from developing a new approach to collaboration that provides a rich, contextual, interactive experience regardless of a user's location, the device they are using, or the information they are accessing.

Cisco$^®$ Mobility solutions include innovative mobile collaboration services to help you successfully extend rich voice, video, and data communications across diverse applications, devices, and networks. Based on the Cisco Unified Wireless Network, these mobility solutions provide an integrated experience that facilitates greater interaction, productivity, and value, whether it be to a customer in a retail store, to a mobile salesperson or technician, the office project manager, or a patient consulting with a doctor.

Cisco's Approach to Mobile Collaboration

When enabling business mobility in a converged environment, the challenge is to design, build, and operate a mobility solution aligned with current business requirements for increased bandwidth, high availability, and security but with the flexibility to meet changing market and organizational demands. With the Cisco Services architectural approach, you can transparently integrate existing and new collaboration technologies into a converged wired and wireless LAN, helping your business:

- Improve productivity and collaboration for sustained competitive advantage
- Deliver reliable and predictable coverage in hard to reach areas
- Support a mix of mobile devices, including phones and tablets
- Overcome challenging radio frequency (RF) environments
- Meet current and future mobility requirements
- Improve operating efficiency

Cisco and our Wireless LAN Specialized Partners offer a broad portfolio of professional services that help you develop strategies for deploying high-performance wireless LAN networks that support mobile collaboration. These services are based on proven methodologies for planning and deploying integrated mobility solutions with secure voice, video, and data. This knowledge has been gained through years of experience designing and deploying some of the world's most complex enterprise-class wireless networks and can help you optimize mobile collaboration to transform your business operations while simplifying deployment and reducing the burden on IT resources.

Cisco Mobility Services Readiness Assessment Service

Careful planning and a well-thought-out design are essential to successful integration of a mobile collaboration solution. The Cisco Mobility Services Readiness Assessment Service helps you understand the readiness of your current wireless LAN infrastructure to support advanced mobility services, allowing for smooth integration while avoiding costly delays during implementation.

This service is designed to help you create a plan for deploying mobility solutions that enable rich media collaboration. These solutions include:

- **Voice and Video**: Create the dependability, performance, and security needed for sensitive Wi-Fi voice and video applications, including support for phones and tablets.
- **Guest Access**: Allow guests, vendors, and partners to access the Internet while keeping your internal network secure and easy to manage.
- **Outdoor Wireless**: Deploy a secure and cost-effective outdoor wireless solution with a design that transparently integrates voice, data, and video applications.
- **Context-Aware**: Increase the accuracy, speed, and efficiency of your context-aware solution to locate users and track critical business assets on the network.
- **Adaptive Wireless Intrusion Prevention Systems**: Protect your network from wireless threats with a solution designed to optimize RF coverage and performance.

Early in the migration planning process, Cisco engineers work with your staff to assess the readiness of your current wireless deployment and its ability to support the proposed Cisco Mobility solution. Helping you to control deployment costs and avoid delays during implementation, this service is a critical first step in implementing an integrated Cisco Mobility solution by identifying gaps in your wireless LAN network and providing a prioritized set of actionable steps for migration.

The Cisco Mobility Services Readiness Assessment Service includes several activities to help you successfully plan for deployment of your Cisco Mobility solution, including:

- Business and technical requirements analysis
- Review of your existing wireless LAN architecture
- Review of your existing RF design
- Wireless LAN configuration review
- Gap analysis and recommendations

Wireless LAN Requirements Analysis

Wireless LAN experts begin by conducting a detailed review of your wireless LAN business goals and technology requirements. Working with your network staff, Cisco engineers review your requirements, constraints, processes, and deployment strategies to help ensure the solution, once deployed, aligns with your business objectives.

Wireless LAN Architecture and Design Review

Cisco wireless engineers then collect baseline data about your wireless infrastructure to help ensure the assessment is customized to your network and requirements. Working from carefully gathered data, Cisco experts complete an in-depth analysis of your wireless LAN architecture, including the network topology, security controls, and RF performance based on industry and Cisco best practices. They evaluate your overall wireless LAN architecture for scalability, reliability, and performance and perform an RF design review to help you make informed decisions about how to plan for wireless LAN upgrades that deliver reliable and predictable coverage.

Wireless LAN Configuration Review

To help ensure optimal performance for mobility applications, experts in wireless LAN technology perform a review of hardware and software versions and configurations of primary wireless LAN network devices, including:

- Cisco wireless LAN controllers
- Cisco Wireless Control System
- Cisco Mobility Service Engine
- Cisco wireless access points
- Cisco NAC Guest Service
- Wireless client devices, including phones and tablets

Configuration reviews for critical network services are also provided, including:

- **Wireless LAN security:** client authentication and encryption, rogue access point detection, and intrusion detection
- **Quality of service:** QoS settings, including prioritization for control, voice, video, and data traffic
- **Wireless multicast:** configuration of client traffic
- **RF planning:** power and channel assignment, operational data rates, RF group design and scaling, interference settings
- **Client mobility:** mobility group design for transparent roaming
- **High availability:** WLC design redundancy, including access point load balancing and failure recovery

Cisco wireless experts compare your specific device configurations, templates, and rules to identify gaps between solution design requirements and industry and Cisco best practices.

Gap Analysis and Recommendations

From this analysis, engineers identify gaps that could limit performance and recommend network modifications to support the new solution. Recommendations on how to enhance parameters for performance, security, reliability, and manageability are provided so you can deploy mobility services more quickly and enhance the return on your network investment through improvements to operational efficiency. Based on the RF design analysis, the service also provides recommendations for locating access points, establishing their frequencies, and managing interference. When combined with the detailed device configuration reviews, these recommendations help you mitigate deployment risk by enabling smooth solution integration and migration with optimal performance.

Benefits

By evolving the wired and wireless network into a true mobility platform, businesses can put employees, partners, customers, and assets in motion. This service improves deployment success, helping you to cost-effectively implement mobile access to business-critical applications and real-time mobile collaboration, enabling the development of new business models for improved operational efficiency and productivity.

Providing Cisco experience, knowledge, tools, and leading practices during the early stages of planning, this service helps you to:

- Speed the adoption of cost saving and productivity enhancing mobile collaboration with recommendations on how to evolve your wireless LAN infrastructure

- Improve the return on your investment by identifying architecture gaps that can be remediated to help ensure deployment success

- Manage risk for common challenges such as security, management, and reliability by working with wireless LAN experts early in the planning process

- Reduce deployment complexity, costs, and delays with expert analysis of your current network design and configurations

- Improve wireless LAN performance, security, and availability by aligning your wireless LAN configurations with proven leading practices

Why Cisco Services

Realize the full business value of your technology investments more quickly with intelligent, personalized services from Cisco and our partners. Backed by deep networking expertise and a broad ecosystem of partners, Cisco Services enable you to successfully plan, build, and run your network as a powerful business platform. Whether you are looking to quickly seize new opportunities to meet rising customer expectations, improve operational efficiency to lower costs, mitigate risk, or accelerate growth, we have a service that can help you.

For More Information

For more information about Cisco Wireless LAN Services, including the Cisco Mobility Services Network Readiness Assessment service, visit www.cisco.com/go/wirelesslanservices or contact your local account representative.

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