

Cisco Unified Wireless Network Migration Service

Reduce the Complexity of Migrating to a Secure, Mobile, and Interactive Business Environment



Smoothly transition to the next generation of business mobility:

- Align your technical requirements with detailed design activities
- Identify and address potential migration issues before they arise
- Improve the efficiency of network staging and migration
- Take advantage of Cisco leading practices and extensive experience with wired and wireless network integration

Challenge

As users become increasingly mobile and business applications become more interactive, innovative wireless services are critical in helping companies maintain innovation, agility, and differentiation. By combining the scalability of the Cisco® Unified Wireless Network with the performance of the 802.11n standard and CleanAir technology, Cisco helps businesses create a worldwide collaborative working environment. Helping organizations to migrate to the next generation wireless network capabilities, the Cisco Unified Wireless Network can deliver the performance and reliability needed to support multimedia and business-critical applications wherever mobile connectivity is required to transform business operations.

Whether extending the mobility of your employees through a wireless network, migrating your existing wireless network to a controller-based network, migrating to the next generation management platforms, or migrating to a mission-critical wireless infrastructure with the 802.11n standard and CleanAir technology, detailed planning and solid

understanding of your infrastructure and technology requirements can decrease deployment risks. Expert guidance integrating the solution transparently with your wired network can help you realize success in providing an integrated end-to-end solution that addresses all layers of your wireless LAN, providing the security, scalability, ease of deployment, and management you expect from your wired LANs.

Solution

Cisco and our Wireless LAN Specialized Partners offer a broad portfolio of professional services that help you take full advantage of the scalability, flexibility, and reliability provided by 802.11n standard-based Cisco Unified Wireless Networks. These services are based on proven methodologies for planning and deploying secure voice, video, and data wireless network solutions, technologies, and strategies. 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 simplify deployment and reduce the burden on IT resources.

Careful planning and a well-thought-out design are essential to a successful migration. Most changes to the network are a response to a change in business. When you already have a wireless network in place or are building a new wireless solution, Cisco Services can help you plan and build a sound, scalable network design. Starting with a clear understanding of your business and technical requirements, Cisco and partner wireless experts will work with your IT staff to see that your architecture, physical sites, and operational staff are ready to support migration to a Cisco Unified Wireless Network.

In order to take full advantage of the Cisco Unified Wireless Network, the network must be properly secured. Cisco Services can also help you to build in advanced security and intrusion detection capabilities that are integral to helping you extend secure access to corporate data, anywhere, at any time. By identifying gaps and addressing critical concerns security engineers work to validate a wireless LAN design that supports your requirements for optimized performance and reliability and integrates business-critical mobility solutions.

With the Cisco Unified Wireless Network Migration Service, Cisco engineers or a Cisco Wireless LAN Specialized Partner work with you to provide migration support in the following ways:

- Migration of your production access points to a controller-based infrastructure
- Migration of your legacy access points to the 802.11n standard
- Integration of the Cisco CleanAir technology for optimum performance and mitigation of the effects of wireless interferences
- Deployment of the Cisco wireless LAN controller or migration to a next-generation controller
- Deployment of a Cisco Wireless Control System or next generation wireless management platform

This service includes six activities to help you successfully deploy your Cisco Unified Wireless Network:

- Technical requirements development
- Architecture design
- Readiness assessment
- Detailed design
- Design validation
- Migration plan review

Technical Requirements Development

An excellent first step when migrating to a Cisco Unified Wireless Network or next-generation controller is documenting the business requirements that are introducing the need for change and aligning technical requirements to them. Cisco engineers can help you quickly and accurately identify the business objectives that lead to the migration effort and then translate them into technical requirements for your Cisco Unified Wireless Network.

Architecture Design

Identifying gaps in your existing Cisco Unified Wireless Network design early in the migration planning process can prevent common challenges such as wireless security gaps and performance issues. Cisco engineers work with your networking staff to assess your existing architecture in detail in order to gauge its ability to support your Cisco Unified Wireless Network solution.

Readiness Assessment

Assessing the readiness of your current wireless deployment is a critical step toward reducing deployment costs and delays. We use assessments, customized access point staging templates and scripts, and best-practice checklists to help you define a simplified migration process plan to help you prepare your site for migration implementation.

Detailed Design

Cisco consultants assist your team in developing a detailed design for integrating Cisco Unified Wireless technologies into your network infrastructure. Working with your staff, design engineers develop a design specification, including network diagrams, hardware and software recommendations, and policy and management specifications for the overall Cisco Unified Wireless Network solution.

Design Validation

Testing your migration procedure prior to implementation can be the difference between an efficient, successful migration and costly project delays. With an onsite or lab-based pilot of your migration, you can identify gaps or challenges early and avoid problems when migrating to a centralized, controller-based solution to your production environment. Cisco can lead you through the process, helping you to:

- Configure a wireless LAN controller for the pilot or lab environment
- Migrate legacy access to a Cisco Unified Wireless Network or next-generation controller
- Validate the wireless LAN controller configuration, management, and the access point hardware and software versions
- Test and validate wireless client access and security configurations
- Validate the performance of two or three mobility applications

Migration Plan Review

Having a sound migration plan is critical to a smooth, fast, and efficient implementation of a next-generation wireless solution. We can compare your migration project plan against proven Cisco and industry methodologies for deploying wireless LAN solutions and make recommendations for improving the plan's alignment with leading practices. When all access points in your production environment have been smoothly migrated to a controller-based infrastructure and wireless network service is in full production, the migration can be viewed as a success.

Benefits

The Cisco Unified Wireless Network Migration Service helps reduce the complexity of migrating from an autonomous Cisco wireless LAN to a mission-critical 802.11n standard-based Cisco Unified Wireless Network or migrating to a next-generation controller by providing Cisco experience, knowledge, tools, and leading practices during the most critical stages of migration.

This service helps you to:

- Simplify the migration of your network to the Cisco Unified Wireless Network model to respond to the changing business environment by developing business and technical requirements
- Prevent common challenges such as security, integrated management, and performance by identifying gaps in your existing wireless architecture early in the planning process
- Reduce deployment costs and delays by assessing the readiness of your current access point deployment
- Improve the speed and efficiency of migration by aligning your migration project plan with proven methodologies for deploying wireless LAN solutions

Why Cisco Services

Services from Cisco and our partners enable you to realize the full business value of your technology investments by harnessing the network as a powerful business platform enabled by smart, personalized services that solve your toughest business challenges.

Today, the network is a strategic platform in a world that demands better integration between people, information, and ideas. The network works better when services, together with products, create solutions aligned with business needs and opportunities.

The unique Cisco Lifecycle approach to services defines the requisite activities at each phase of the network lifecycle to help ensure service excellence. With a collaborative delivery methodology that joins the forces of Cisco, our skilled network of partners, and our customers, we achieve the best results.

Cisco and Partner Expertise: Better Together

Cisco engineers and Cisco Certified Partners are among the industry's elite in providing integrated, collaborative, adaptive solutions. Jointly with our partners, we form the largest collection of industry certified experts in the world supporting the most complex networks to meet and exceed the needs of our customers. Cisco teams can collaborate with partners to foster consistency and alignment with Cisco methodologies, tools, and leading practices.

For More Information

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

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