

Cisco SP Wi-Fi Core Plan and Build Service

Cisco® Service Provider (SP) Wi-Fi is a single, unified architecture for all types of Wi-Fi services and business models. Cisco SP Wi-Fi increases revenue opportunities and reduces total cost of ownership.



Cisco SP Wi-Fi Services Overview

Carrier-grade Wi-Fi has become a central element in strategies for ubiquitous capacity and coverage across networks for both fixed and mobile operators. Cisco Service Provider (SP) Wi-Fi is an end-to-end 802.11n architecture, utilizing Cisco products and services designed to help you offer carrier-grade Wi-Fi services to complement existing wired and wireless broadband networks. Cisco Services increase efficiency and reduces the costs and risks associated with new technology adoption and scaling of your wireless network capabilities.

Cisco SP Wi-Fi Core Plan and Build Service

Professional services from Cisco and Cisco's Wi-Fi specialized partners are available to help you plan and deploy the core components of the Cisco SP Wi-Fi solution. The Cisco SP Wi-Fi Core Plan and Build Service analyzes your architectural readiness and provides assistance with the SP Wi-Fi deployment design. Start-to-finish deployment assistance is available for Cisco Intelligent Services Gateways (ISGs), Cisco Wireless LAN Controllers (WLC), the Cisco Prime™ Network Control System (NCS), and a mobile subscriber policy enforcement system. Predeployment validation helps ensure deployment success. Post-deployment knowledge-transfers confirm that your team understands the solution.

Planning and deploying the end-to-end core architecture is based on proven methodologies and years of experience designing and implementing some of the world's most complex service provider wireless networks. Our specialists can help you scale to meet the demands of an ever-growing mobile subscriber base.

Once the solution is designed and implemented, and you complete acceptance, Cisco will hand over all responsibilities to you for ongoing operations while continuing to provide support (see Table 1). In addition, please note that the Cisco SP Wi-Fi Solution Support, Optimize, Assurance, and Operate Services are also available.

Table 1. Cisco SP Wi-Fi Core Plan and Build Service Activities, Deliverables, and Benefits

Activities and Deliverables	Benefits: Helps You To...
<p>Core Network Readiness Assessment: Evaluate readiness for your Wi-Fi network interconnection to the wired backbone, examining the architecture, security, traffic utilization, and Wi-Fi provisioning flows.</p>	<p>Understand what is needed to prepare for a Cisco SP Wi-Fi solution.</p>
<p>Architecture Design Development: Review existing architecture, helping you determine what's needed to support new Wi-Fi and core services and applications.</p>	<p>Optimize your Cisco SP Wi-Fi environment to maximize your investments and competitive advantage.</p>

Activities and Deliverables	Benefits: Helps You To...
Detailed Design Development: Provide the details to implement your Cisco SP Wi-Fi solution.	Optimize your Cisco SP Wi-Fi environment to maximize performance, reliability, and functionality.
Cisco Intelligent Services Gateway (ISG) Deployment: Configure your Cisco ISG.	Successfully implement your Cisco ISG, optimizing it for performance.
Cisco Wireless LAN Controller (WLC) Deployment: Activate and provision your Cisco WLC.	Enable your Cisco Wireless LAN Controller.
Cisco Prime Network Control System (NCS) Deployment: Implement Cisco Prime NCS to monitor and manage the production Wi-Fi environment.	Improve your compliance with policies and best practices and better prioritize changes and exceptions through a comprehensive view of your production Wi-Fi environment.
Policy Portal Deployment: Install and configure the policy portal for integration between the ISGs, authentication server, and other Wi-Fi network elements.	Implement the systems to enable a highly scalable subscriber management platform.
Network Ready For Use (NRFU) Test Plan Development: Develop a plan to test the Wi-Fi software releases and features, hardware, and configurations planned for use.	Improve network performance, reliability, and functionality by receiving the information you need to deploy the right software releases for your network.
Network Ready For Use (NRFU) Test Plan Execution: Execute the test plan.	Validate that changes to your environment are aligned with your business objectives.
Knowledge Transfer (KT): Educate your teams regarding operation and management of the production Wi-Fi environment.	Increase the self-sufficiency of your support team by sharing knowledge, best practices, and intellectual property, and providing opportunities for continuous learning.

Why Cisco SP Wi-Fi Services?

Cisco is a worldwide technology leader with extensive experience working with major service providers around the world. Cisco's comprehensive portfolio of services and proven methodologies is well tested and easily deployable with little integration effort, providing better visibility into the network while simplifying operations.

Cisco provides access to experienced and well-trained Cisco experts, certified on service provider networks, technologies, and network management needed to support, assist, and resolve network issues. Backed by service-level agreements, Cisco works together with you to lower risk.

Availability

The Cisco SP Wi-Fi Core Plan and Build Service is available globally. Service delivery details may vary by region.

For More Information

For more information about the Cisco SP Wi-Fi Services contact your local Cisco account manager.



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