

Learning@Cisco

Cisco Training on Demand

Designing Cisco Wireless Enterprise Networks (WIDESIGN) v1.1



Overview

Designing Cisco® Wireless Enterprise Networks (WIDESIGN) version 1.1 is a Cisco Training on Demand course. It is in the curriculum for the CCNP® Wireless certification and provides you a new perspective on designing wireless networks. You learn how to design a Cisco wireless network from beginning to end, from customer first contact to post-deployment reports, and how to conduct walk-throughs, identify difficult areas, and optimize the survey process to provide a better access-point-to-coverage ratio. With this course, you use tools to assist in wireless design and management as well as labs that reinforce design concepts.

Interested in purchasing this course in volume at discounts for your company? Contact ctod-sales@cisco.com.

Duration

The WIDESIGN version 1.1 Training on Demand is a self-paced course based on the 5-day instructor-led training version. It consists of 25 sections of instructor video and text totaling more than 17 hours of instruction along with interactive activities, content review questions, and challenge questions.

Target Audience

This course is intended for wireless network engineers with 3 to 5 years of experience in the networking field and those preparing for the 300-360 WIDESIGN exam.

Objectives

After completing this course, you should be able to:

- Describe the needs of wireless networks today
- Describe wireless architectures and core components
- Describe wireless design methodologies and best practices
- Design for real-time applications
- Examine planning and design tools
- Implement a wireless design
- Describe troubleshooting methodology

Course Prerequisites

The knowledge and skills recommended before attending this course are:

- Interconnecting Cisco Networking Devices Part 1 (ICND1)
- Implementing Cisco Wireless Network Fundamentals (WIFUND)
- Basic knowledge of Cisco Prime® Infrastructure and Cisco Identity Services Engine (ISR)
- Basic knowledge of Metageek Channelizer Software, voice signaling protocols, basic quality of service (QoS), Cisco Application Visibility and Control, and LAN switching

Course Outline

- Course Introduction
- Section 1: Determining Customer Design Technical and Business Objectives
- Section 2: Determining the Type of Wireless Design
- Section 3: Gathering Existing Documentation and Important Information
- Section 4: Meeting with the Customer
- Section 5: Describing Common Business and Technical Drivers
- Section 6: Describing Cisco Capabilities
- Section 7: Planning and Designing for RF
- Section 8: Describing Deployment Models
- Section 9: Describing Campus Considerations
- Section 10: Describing Common Business and Technical Drivers
- Section 11: Describing Cisco Capabilities
- Section 12: Describing RF Planning and Design
- Section 13: Describing Cisco AVC and QoS
- Section 14: Describing Common Business and Technical Drivers
- Section 15: Describing Cisco Capabilities

- Section 16: Describing RF Planning and Design
- Section 17: Cisco CMX Ecosystem Analytics and Development
- Section 18: Describing Common Business and Technical Drivers
- Section 19: Describing Cisco Capabilities
- Section 20: Describing RP Planning and Design
- Section 21: Describing Access and Safety Concerns
- Section 22: Describing the Initial Evaluation
- Section 23: Describing Predictive Planning
- Section 24: Describing the In-Depth Site Survey
- Section 25: Describing the Postdeployment Survey

Cisco Capital Financing Helps You Achieve Your Objectives

Cisco Capital® financing can help you acquire the technology you need to achieve your objectives and stay competitive. We can help you reduce capital expenditures (CapEx), accelerate your growth, and optimize your investment dollars and ROI. Cisco Capital financing gives you flexibility in acquiring hardware, software, services, and complementary third-party equipment. And there's just one predictable payment. Cisco Capital financing is available in more than 100 countries. [Learn more.](#)



Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)