

cisco 9800 wlc training

Cisco 9800 WLC Training: Mastering Next-Generation Wireless LAN Controllers

cisco 9800 wlc training has become a hot topic among network professionals eager to upgrade their skills in managing enterprise-grade wireless networks. Cisco's 9800 series Wireless LAN Controllers (WLC) represent a leap forward in wireless infrastructure, combining robust security, scalability, and automation capabilities with the power of Cisco IOS XE software. If you're aiming to enhance your expertise in deploying and configuring Cisco wireless solutions, understanding the ins and outs of the 9800 WLC through comprehensive training is essential.

Why Cisco 9800 WLC Training Matters

The landscape of wireless networking is rapidly evolving. Enterprises demand faster, more reliable, and secure wireless access, and Cisco's 9800 series is designed to meet those demands with advanced features like programmability, enhanced analytics, and seamless integration with Cisco DNA Center. Training on this platform equips network engineers and administrators with the knowledge required to design, deploy, and troubleshoot modern wireless networks efficiently.

Unlike legacy controllers, the Cisco 9800 runs on the IOS XE network operating system, offering a consistent experience with other Cisco devices and simplifying network management. By investing time in specialized training, professionals can ensure they stay ahead of the curve, improving their ability to handle complex wireless environments and contributing to their organization's digital transformation initiatives.

Key Features Covered in Cisco 9800 WLC Training

When you dive into Cisco 9800 WLC training, you'll explore a variety of critical features and capabilities that set this controller apart:

1. IOS XE Operating System Fundamentals

Unlike traditional WLCs, the 9800 runs on Cisco's IOS XE platform, which offers modularity, enhanced security, and programmability. Training sessions typically begin by covering the architecture of IOS XE, highlighting how it supports software-defined networking (SDN) principles and allows for flexible upgrades without system downtime.

2. Wireless Network Architecture and Deployment Models

Understanding the deployment models — centralized, distributed, and cloud-based — is vital. Cisco 9800 WLC training explains how to architect wireless networks that leverage these models effectively, aligning with organizational goals and ensuring optimal coverage and performance.

3. Advanced Security and Policy Management

Security is paramount in wireless networking. Training delves into how the 9800 controller integrates robust security features such as WPA3, Hotspot 2.0, and Cisco Identity Services Engine (ISE) for policy enforcement. Participants learn to configure secure guest access, implement role-based access control, and use features like FlexConnect for branch offices.

4. Automation and Programmability

One of the standout aspects of the Cisco 9800 series is its support for automation through APIs and integration with Cisco DNA Center. Training covers how to automate routine network tasks, monitor

network health, and apply configuration changes at scale, making network management more efficient and less error-prone.

5. Troubleshooting and Performance Optimization

No training is complete without a focus on practical troubleshooting. Learners gain hands-on experience using Cisco's diagnostic tools, syslogs, and CLI commands to identify and resolve common wireless network issues. Performance tuning and optimization techniques are also emphasized to ensure networks deliver the best possible user experience.

Who Should Pursue Cisco 9800 WLC Training?

Cisco 9800 WLC training is ideal for a range of IT professionals, including:

- **Network Engineers** seeking to upgrade their wireless networking skills to the latest Cisco standards.
- **System Administrators** responsible for maintaining enterprise wireless infrastructure.
- **IT Managers** who want a deeper understanding of wireless network capabilities to make informed purchasing and design decisions.
- **Consultants and Integrators** working with clients on large-scale wireless deployments.

The training is also beneficial for those preparing for Cisco's certification exams, especially the Cisco Certified Network Professional (CCNP) Enterprise Wireless track, which increasingly focuses on the 9800 platform.

Learning Paths and Resources for Cisco 9800 WLC Training

There are numerous avenues to gain proficiency with the Cisco 9800 WLC:

Official Cisco Training Courses

Cisco offers dedicated instructor-led and virtual training modules such as the “Implementing Cisco Wireless Network Fundamentals” (WLFNDU) and “Implementing Cisco Enterprise Wireless Networks” (ENWLSI), which include extensive coverage of the 9800 series. These courses blend theory with labs, giving hands-on experience configuring and managing the controller.

Online Learning Platforms

Platforms like Cisco Networking Academy, Udemy, and Pluralsight provide flexible online courses that cover the essentials of Cisco wireless technologies, including the 9800 WLC. These resources often feature video tutorials, quizzes, and simulated lab environments.

Hands-On Labs and Simulators

Practical experience is invaluable. Cisco’s Packet Tracer and other virtual lab tools allow learners to practice configurations in a safe environment. Additionally, renting or purchasing access to physical Cisco 9800 controllers or virtual instances can accelerate skill development.

Study Groups and Community Forums

Engaging with the Cisco community via forums such as Cisco Learning Network, Reddit, or specialized LinkedIn groups can provide insights, tips, and real-world problem-solving strategies from experienced professionals.

Tips for Maximizing Your Cisco 9800 WLC Training Experience

To get the most out of your training, consider the following advice:

- **Start with Networking Basics:** If you're new to wireless networking, ensure you have a solid understanding of Wi-Fi standards, RF fundamentals, and network protocols before delving into the 9800 specifics.
- **Practice Regularly:** Hands-on practice reinforces learning. Set up lab environments or use simulators frequently to apply concepts in real-time.
- **Explore Automation Early:** Familiarize yourself with Cisco DNA Center and REST APIs early in your training to appreciate how automation can transform wireless network management.
- **Follow Cisco Documentation:** Cisco's official documentation provides up-to-date and detailed information. Use it as a reference alongside your training materials.
- **Stay Updated:** Cisco frequently updates its software and features. Keep an eye on release notes and Cisco Live presentations to stay current with new capabilities.

Real-World Applications of Cisco 9800 WLC Knowledge

Mastering the Cisco 9800 WLC doesn't just prepare you for exams; it directly translates into improved network performance and user satisfaction. With this knowledge, you can:

- Design scalable wireless networks that support high-density environments such as campuses,

stadiums, and enterprise offices.

- Implement robust security policies that protect sensitive data and ensure compliance with industry standards.
- Leverage automation to reduce manual configuration errors and speed up deployments.
- Perform proactive troubleshooting to minimize network downtime and enhance overall reliability.

Organizations benefit from having skilled professionals who can navigate the complexities of modern wireless infrastructure, making Cisco 9800 WLC training a valuable investment for career growth and organizational success.

Exploring the world of Cisco wireless controllers through dedicated training opens up a range of exciting possibilities. Whether you're managing existing networks or planning new deployments, gaining expertise in the Cisco 9800 WLC ensures you're equipped to handle today's wireless challenges and future innovations with confidence.

Frequently Asked Questions

What is Cisco 9800 WLC training?

Cisco 9800 WLC training focuses on teaching network professionals how to deploy, configure, and manage Cisco Catalyst 9800 Series Wireless LAN Controllers, which are designed for enterprise wireless network management.

Who should take Cisco 9800 WLC training?

Network engineers, wireless engineers, IT professionals, and anyone involved in managing enterprise

wireless networks should consider Cisco 9800 WLC training to enhance their skills in wireless LAN controller deployment and troubleshooting.

What are the key topics covered in Cisco 9800 WLC training?

Key topics include Cisco Catalyst 9800 architecture, wireless controller deployment models, wireless security, RF fundamentals, wireless LAN controller configuration, automation, monitoring, and troubleshooting techniques.

Is Cisco 9800 WLC training necessary for Cisco Wireless certification?

Yes, Cisco 9800 WLC training is highly relevant for certifications like Cisco CCNP Enterprise and Cisco Certified Specialist – Enterprise Wireless Implementation, as the 9800 series is Cisco's flagship wireless LAN controller platform.

What are the prerequisites for Cisco 9800 WLC training?

Basic knowledge of networking concepts, familiarity with Cisco IOS XE operating system, and some experience with wireless networking and Cisco networking devices are recommended before starting Cisco 9800 WLC training.

Are there any official Cisco courses for 9800 WLC training?

Yes, Cisco offers official training such as the 'Implementing Cisco Enterprise Wireless Networks (ENWLSI)' course, which covers Cisco Catalyst 9800 Series Wireless LAN Controllers and wireless network implementation.

Can Cisco 9800 WLC training be done online?

Yes, there are numerous online platforms, including Cisco's own learning portal, that offer Cisco 9800 WLC training courses, allowing learners to study remotely at their own pace.

What hands-on labs are included in Cisco 9800 WLC training?

Hands-on labs typically include configuring Cisco 9800 WLCs, setting up wireless SSIDs, implementing wireless security protocols, troubleshooting connectivity issues, and integrating with other Cisco network components.

Additional Resources

Cisco 9800 WLC Training: Elevating Wireless Network Management Expertise

cisco 9800 wlc training has become a critical educational pathway for network engineers and IT professionals aiming to master the latest advancements in wireless LAN controller technology. As enterprises increasingly adopt sophisticated wireless infrastructures, the Cisco Catalyst 9800 Series Wireless LAN Controllers (WLCs) stand out for their enhanced security, scalability, and programmability. This article delves into the nuances of Cisco 9800 WLC training, exploring its curriculum, relevance, and the practical benefits it offers to professionals navigating the evolving landscape of wireless networking.

Understanding the Cisco 9800 Wireless LAN Controller

Before unpacking the training specifics, it's essential to understand what the Cisco 9800 WLC represents in the wireless networking domain. Introduced as a next-generation controller, the Cisco Catalyst 9800 Series is built on Cisco's IOS XE operating system, which differentiates it from prior models that relied on different software architectures. This shift brings increased agility, robustness, and integration capability with other network components.

The Cisco 9800 WLC supports both on-premises and cloud deployments, catering to diverse organizational needs. It offers advanced features such as seamless Software-Defined Access (SD-Access) integration, enhanced security protocols, and improved wireless analytics. As a result, it has

become a preferred choice for enterprises seeking to future-proof their wireless infrastructure.

The Importance of Cisco 9800 WLC Training

The complexity and evolving capabilities of the Cisco 9800 WLC necessitate specialized training. Unlike traditional wireless controllers, the 9800 series requires an intricate understanding of IOS XE, automation frameworks, and modern network architecture principles. Cisco 9800 WLC training programs equip professionals with both theoretical knowledge and hands-on experience, enabling them to deploy, configure, and troubleshoot the controller efficiently.

Investing time in formal training not only enhances technical proficiency but also aligns professionals with industry best practices. This is critical for maintaining high network performance, ensuring security compliance, and managing large-scale wireless environments effectively.

Core Components of Cisco 9800 WLC Training

Cisco 9800 WLC training typically covers a comprehensive set of topics designed to build a well-rounded skill set:

- **Architecture and Deployment Models:** Understanding controller modes, deployment topologies, and integration with Cisco DNA Center.
- **Configuration and Management:** Hands-on exercises on device setup, wireless LAN (WLAN) configuration, and policy management.
- **Security Features:** Implementing advanced security measures such as WPA3, segmentation, and threat detection.

- **Automation and Programmability:** Leveraging APIs, scripting, and Cisco DNA Center for network automation.
- **Troubleshooting and Monitoring:** Effective use of Cisco's diagnostic tools, logs, and telemetry for proactive network maintenance.

This curriculum ensures that learners develop both foundational and advanced capabilities, addressing real-world scenarios.

Comparative Analysis: Cisco 9800 WLC Training vs. Traditional Wireless Controller Training

One significant aspect of Cisco 9800 WLC training is its distinct departure from previous wireless controller training modules. Traditional WLC courses often emphasized basic controller functions and manual configuration techniques. In contrast, Cisco 9800 training incorporates modern network paradigms such as Software-Defined Networking (SDN), cloud integration, and automation tools.

For example, earlier wireless controllers relied heavily on CLI-based configuration, whereas the 9800 series encourages the use of Cisco DNA Center for centralized management and policy enforcement. This shift necessitates a broader skill set encompassing network programmability and analytics, which the training addresses comprehensively.

Furthermore, Cisco 9800 WLC training introduces trainees to IOS XE's modular architecture, which improves system stability and feature deployment flexibility. This contrasts with legacy training that covered monolithic operating systems with limited update mechanisms.

Training Delivery Formats and Accessibility

Cisco recognizes the diverse learning preferences of network professionals and offers Cisco 9800 WLC training through multiple channels:

- **Instructor-Led Training (ILT):** Classroom sessions led by certified trainers provide interactive learning and immediate feedback opportunities.
- **Virtual Instructor-Led Training (VILT):** Online live sessions replicate classroom experiences for remote learners.
- **Self-Paced eLearning:** Flexible modules allow learners to progress at their own pace, ideal for working professionals balancing multiple commitments.
- **Hands-On Labs:** Labs, either virtual or physical, are integral to experiential learning, facilitating practical application of concepts.

The availability of these formats makes Cisco 9800 WLC training accessible to a global audience, accommodating different schedules and learning styles.

The Role of Certification in Cisco 9800 WLC Training

Cisco 9800 WLC training often aligns with certification pathways such as the Cisco Certified Specialist - Enterprise Wireless Implementation or the Cisco Certified Network Professional (CCNP) Enterprise Wireless track. These certifications validate a professional's expertise in deploying and managing Cisco wireless solutions, including the 9800 series.

Certification preparation courses focus heavily on the 9800 WLC's configuration, security, and troubleshooting aspects, ensuring candidates are well-prepared for the exams. Earning these credentials not only enhances career prospects but also signals to employers a verified capability to handle complex wireless network environments.

Industry Demand and Career Impact

The adoption of Cisco Catalyst 9800 WLCs across industries—from healthcare to education and enterprise IT—has increased demand for skilled professionals trained on this platform. Organizations are seeking experts who can optimize wireless network performance, implement robust security policies, and leverage automation to reduce operational costs.

Professionals who complete Cisco 9800 WLC training often find improved job opportunities, with roles such as Wireless Network Engineer, Network Administrator, and Systems Architect becoming accessible. Additionally, the training supports career advancement by enabling IT personnel to contribute to digital transformation initiatives centered on network modernization.

Challenges and Considerations in Cisco 9800 WLC Training

While Cisco 9800 WLC training offers significant benefits, candidates should be mindful of certain challenges:

- **Steep Learning Curve:** The integration of SDN concepts and programmable interfaces may be daunting for those accustomed to traditional network management.
- **Resource Requirements:** Access to lab equipment or virtual environments is critical for practice but may entail additional costs.

- **Continuous Updates:** As Cisco regularly updates IOS XE and controller features, staying current requires ongoing learning beyond initial training.

Recognizing these factors upfront can help learners set realistic expectations and invest in supplementary resources when needed.

Maximizing the Value of Cisco 9800 WLC Training

To fully capitalize on Cisco 9800 WLC training, participants should adopt a proactive approach:

1. **Engage Actively:** Participate in discussions, labs, and hands-on exercises to deepen understanding.
2. **Leverage Official Documentation:** Cisco's technical guides and configuration manuals complement training content.
3. **Join Professional Communities:** Forums and user groups provide platforms to share experiences and troubleshoot collaboratively.
4. **Practice Regularly:** Consistent practice with lab setups or simulation tools reinforces skills and confidence.

This strategy promotes mastery of the Cisco 9800 WLC platform and ensures long-term proficiency.

The expanding role of wireless networking in digital ecosystems makes Cisco 9800 WLC training a valuable investment for IT professionals. By embracing this specialized education, organizations and

individuals alike can navigate the complexities of modern wireless infrastructure with greater assurance and effectiveness.

Cisco 9800 Wlc Training

cisco 9800 wlc training: CCNA Certification Study Guide Volume 2 Todd Lammle, Donald Robb, 2024-11-13 Your updated guide to success on the CCNA Certification exam In the newly revised second edition of the CCNA Certification Study Guide – Volume 2: Exam 200-301 v1.1, renowned Cisco educator and network engineer Todd Lammle and Donald Robb deliver a practical and effective test prep and roadmap to the challenging CCNA Certification exam. Volume 2 of the updated Study Guide covers objectives for network fundamentals and access, IP connectivity and services, security fundamentals, automation, programmability, artificial intelligence, and more. You'll also learn about topics like network device security, IPv6, QoS, wireless technologies, wireless controllers, automation, and REST APIs. The CCNA Certification Study Guide comes with one year of free access after activation to a robust set of online study tools designed to assess and advance your exam readiness. You'll find: Up-to-date information relevant to the latest Cisco technologies and job roles An interactive online test bank, including hundreds of practice test questions, flashcards, and a glossary of key terms and definitions Discussions of everything from enhanced switching and ACLs to FHRP, SDN, configuration management, and more Perfect for anyone preparing to pursue the updated CCNA Certification, the CCNA Certification Study Guide – Volume 2 is a must-read for practicing IT professionals looking for a refresher on Cisco networking fundamentals.

cisco 9800 wlc training: Understanding and Troubleshooting Cisco Catalyst 9800 Series Wireless Controllers Simone Arena, Nicolas Darchis, Francisco Sedano Crippa, Sudha Katgeri, 2022-06-20 The definitive professional's guide to the Cisco next-gen 9800 wireless controllers As wireless networks, applications, and services rapidly evolve, they grow increasingly business critical, with steeper requirements for performance, latency, deployment density, and device support. The advanced Catalyst 9800 wireless controllers from Cisco meet these challenges, delivering exceptional adaptability, security, performance, scalability, and programmability. Based on the modern and secure Cisco IOS XE operating system, their support for Cisco intent-based networking will help you continually leverage new innovation. Now, four Cisco experts offer end-to-end guidance, practical tips, and proven recommendations for designing, deploying, and managing wireless networks with the Catalyst 9800. For technical decision makers, this guide delivers a deep understanding of Catalyst 9800 hardware and software, tightly linked to business value. Architects will find essential details for both upfront network design and feature implementation. Network operators and other IT professionals will discover tested tools and methods for reliable and efficient setup, configuration, monitoring, and troubleshooting. Whatever your role, this guide will help you maximize the value of any Catalyst 9800 network, and serve as your indispensable reference for years to come. Understand Catalyst 9800 benefits, capabilities, roles, and architecture Learn the new C9800 Configuration Model, with key design considerations and best practices Deploy and configure the C9800 in private and public clouds Systematically secure the C9800: from AAA and ACLs to rogue detection and wireless intrusion prevention (WIPS) Establish and optimize seamless client roaming in enterprise environments Learn how the C9800 implements key RF concepts Plan and implement an end-to-end architecture for QoS, and design/ deploy for high availability and network services like multicast Discover value-added wireless services available through Cisco DNA Spaces Drive agility and value via network programmability with YANG, Python, RESTCONF, and NETCONF Make the most out of the rich data models of Model-Driven Telemetry and

Programmability using open-source tools Walk through wireless network troubleshooting, backup/restore, and upgrades

cisco 9800 wlc training: Deploying and Troubleshooting Cisco Wireless LAN Controllers

Mark L. Gress, Lee Johnson, 2009-11-09 This is the only complete, all-in-one guide to deploying, running, and troubleshooting wireless networks with Cisco® Wireless LAN Controllers (WLCs) and Lightweight Access Point Protocol (LWAPP)/Control and Provisioning of Wireless Access Points (CAPWAP). Authored by two of the most experienced Cisco wireless support professionals, the book presents start-to-finish coverage of implementing WLCs in existing wired and wireless network environments, troubleshooting design-related issues, and using LWAPP/CAPWAP solutions to achieve your specific business and technical goals. One step at a time, you'll walk through designing, configuring, maintaining, and scaling wireless networks using Cisco Unified Wireless technologies. The authors show how to use LWAPP/CAPWAP to control multiple Wi-Fi wireless access points at once, streamlining network administration and monitoring and maximizing scalability. Drawing on their extensive problem-resolution experience, the authors also provide expert guidelines for troubleshooting, including an end-to-end problem-solving model available in no other book. Although not specifically designed to help you pass the CCIE® Wireless written and lab exams, this book does provide you with real-world configuration and troubleshooting examples. Understanding the basic configuration practices, how the products are designed to function, the feature sets, and what to look for while troubleshooting these features will be invaluable to anyone wanting to pass the CCIE Wireless exams. Efficiently install, configure, and troubleshoot Cisco Wireless LAN Controllers Move autonomous wireless network solutions to LWAPP/CAPWAP Integrate LWAPP/CAPWAP solutions into existing wired networks Understand the next-generation WLC architecture Use Hybrid REAP and Home AP solutions to centrally configure and control branch/remote access points without deploying controllers in every location Use Mobility Groups to provide system-wide mobility easily and cost-effectively Use Cisco WLC troubleshooting tools, and resolve client-related problems Maximize quality in wireless voice applications Build efficient wireless mesh networks Use RRM to manage RF in real-time, optimizing efficiency and performance Reference the comprehensive WLC and AP debugging guide Part of the CCIE Professional Development Series, this is the first book to offer authoritative training for the new CCIE Wireless Exam. It will also serve as excellent preparation for Cisco's new CCNP® Wireless exam.

cisco 9800 wlc training: Deploying and Troubleshooting Cisco Wireless LAN Controllers

Gress, 2009

cisco 9800 wlc training: Cisco Training Video , 2018 Cisco Training for exam 200-105

ICND1 v3.0 is part of the two exam series for completing Cisco Certified Network Associate (CCNA) certification. This course provides the basic understanding of network Layers 1-3 that are applicable to implement the technologies such as core routing and switching. Other advanced concepts like TCP/IPv4, IPv6 and subnets etc. are also discussed in detail. This course also enables the students to understand the interactions and network functions of firewalls, wireless controllers and access points, along with additional focus basic network security. Cisco CCNA ICND1 v3.0 is the first step towards becoming Cisco Certified Network Associate (CCNA). This course provides the students with foundational knowledge of networking technologies and protocols necessary to design, implement, maintain, operate and troubleshoot small to medium sized networks. The course is equally useful for IT professionals working as network administrators in their organizations as well as support and sales engineers working with system integrators.--Resource description page.

cisco 9800 wlc training: Cisco Networking Academy Program CCNA 3. 0 Training Edition

Cisco Networking Academy Program, 2003-04-30

cisco 9800 wlc training: Cisco CCNP Training Kit Cisco Systems, Inc, 2002 Each

computer-based course in the Cisco CCNP Training Kit offers concise tutorial, exercises and labs, study mode exams, and simulated practice exams. The course navigator allows users to easily jump between topics, reading assignments and exam modes. It also keeps an account of a user's progress through reading assignments and tracks the results of each practice exam for easy reference.The

course and exam content is broken out into sections that correspond to each topic area. Users can choose to read through the course materials that correspond to a given section or go directly to practice exams. All the content is integrated. When utilizing the study mode features, users have the option to review answers as well as refer directly to the topic in the reading assignments that describe in detail the concepts behind each question. Once users are ready, they can take the practice exam to ensure that they have really mastered the material presented in the courseware. The exam is scored by topic, providing readers with feedback on their strong and weak points. Readers can then maximize their study time by focusing on areas for which they need additional help. Finally, the reference material is developed from Cisco Systems training courses, ensuring top-notch content and full coverage of exam topics. Whereas other products on the market tend to focus more on either training or practice, this product is unique in its ability to offer both, thereby providing users with a complete solution. The CD provides over 1,200 self-assessment, practice questions covering all four recommended courses allowing users to take full practice exams that mimic the real testing environment. Candidates will learn and master each of the exam topics with tutorials culled from the official Cisco

cisco 9800 wlc training: *Cisco Certified Network Associate Wireless 200-355 Official Cert Guide* Dave Hucaby, 2016

cisco 9800 wlc training: Designing for Cisco Internetwork Solutions (DESGN) (Authorized CCDA Self-Study Guide) (Exam 640-863) Diane Teare, 2007-10-12 Authorized Self-Study Guide

Designing for Cisco Internetwork Solutions (DESGN) Second Edition Foundation learning for CCDA exam 640-863 Designing for Cisco Internetwork Solutions (DESGN), Second Edition, is a Cisco®-authorized, self-paced learning tool for CCDA® foundation learning. This book provides you with the knowledge needed to design enterprise networks. By reading this book, you will gain a thorough understanding of designing routed and switched network infrastructures and services within a modular architecture. In Designing for Cisco Internetwork Solutions (DESGN), Second Edition, you will study a broad range of network design principles and guidelines. You will learn about network design in the context of the Cisco Service-Oriented Network Architecture (SONA) framework and the Cisco Enterprise Architecture. Specific topics include campus and data center infrastructure, remote connectivity, IP addressing design, routing protocol selection, voice network design, wireless network design, and including security in your designs. An ongoing case study plus chapter-ending review questions illustrate and help solidify the concepts presented in the book. Whether you are preparing for CCDA certification or simply want to gain a better understanding of network design principles, you will benefit from the foundation information presented in this book. Designing for Cisco Internetwork Solutions (DESGN), Second Edition, is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining. Diane Teare is a professional in the networking, training, and e-learning fields. She has more than 20 years of experience in designing, implementing, and troubleshooting network hardware and software and has also been involved in teaching, course design, and project management. She has extensive knowledge of network design and routing technologies and is an instructor with one of the largest authorized Cisco Learning Partners. Understand the Cisco vision of intelligent networks and the SONA framework Learn how to structure and modularize network designs within the Cisco Enterprise Architecture Design basic campus and data center networks Build designs for remote connectivity with WAN technologies Create IPv4 addressing schemes Understand IPv6 design Select the appropriate routing protocol for various modules in the Cisco Enterprise Architecture Design basic VoIP and IP telephony networks Understand wireless design principles Build security into your network designs This volume is in the Certification Self-Study Series offered by Cisco Press®. Books in this series provide officially developed self-study solutions to help networking professionals understand technology implementations and prepare for the Cisco Career Certifications examinations. Category: Cisco

Press—Network Design Covers: CCDA Exam 640-863

cisco 9800 wlc training: Cisco Training Video , 2018 Cisco Training Video for ICND2 v3.0 is the second part of the two exam series for completing Cisco Certified Network Associate (CCNA) certification. This course builds on the concepts introduced in CCNA ICND1 v3.0 and introduces new technologies and concepts such as Virtual LAN (VLAN), Quality of Service (QoS), advanced routing protocols (OSPF, EIGRP etc.), VLAN trunking and Spanning Tree Protocol (STP). This course also enables the students to understand the newly introduced features of network programmability and network virtualization. These concepts are the basics of understanding the software-defined-network architecture (SDN). Cisco CCNA ICND2 v3.0 is the second course of the Cisco Certified Network Associate (CCNA) series. This course provides the students with the more advanced knowledge of networking technologies and protocols necessary to design, implement, maintain, operate and troubleshoot small to medium sized networks involving multiple devices. The course is equally useful for IT professionals working as network administrators in their organizations as well as support and sales engineers working with system integrators.--Resource description page.

cisco 9800 wlc training: Cisco CCDA Training Kit Priscilla Oppenheimer, 2000-09-01 Official Cisco computer-based training and practice for the DCN exam no.640-441.Cisco CCDA Training Kit offers candidates both training and practice presented in an electronic format to help them master exam topics and pass the DCN Exam no.640-441. This exam tests a candidates ability to design and implement network systems for small to medium-sized businesses.This kit is a unique CBT product designed to offer both in-depth instruction on exam topics and a robust test bank of practice exam questions. This product offers a complete solution for truly learning the concepts behind the questions, so that candidates are not only prepared to succeed on the exam, but also in their daily jobs as CCDA certified networking professionals.Each computer-based course in the Cisco CCDA Training Kit offers concise tutorials, exercises and labs, study mode exams, adaptive exams, and simulated practice exams. The course navigator allows users to easily jump between topics, reading assignments, and exam modes. It also keeps an account of a users progress through reading assignments and tracks the results of each practice exam for easy reference. The course and exam content is broken out into sections

cisco 9800 wlc training: Cisco CCNA Training Kit , 1999

cisco 9800 wlc training: Cisco CCNA Training Kit User Manual Cisco Press, Cisco Systems, Inc, 1999-09

cisco 9800 wlc training: Cisco 300-101--ROUTE Exam Training Greg Dickinson, 2016 With Early Release video training, you get videos as they're being developed so you can take advantage of these technologies long before the official release of these titles. You'll also receive updates when significant changes are made, new chapters as they're edited, and the final video. In this Cisco 300-101 - ROUTE Exam Training course, expert author Greg Dickinson will teach you everything you need to know to prepare for and pass the ROUTE exam. This course is designed for someone who already has a basic level of Cisco knowledge, and is looking to attain the CCNP ROUTE certification. You will start with a review of routing, then jump into learning about basic and advanced EIGRP. From there, Greg will teach you about basic and advanced OSPF, including OSPF virtual links, OSPF area types, and publishing default routes in OSPF. This video tutorial also covers route redistribution, modifying routing using policy, and internet connectivity and BGP. You will also learn about advanced BGP topics, routing support for IPv6, and router and network security. Finally, you will learn about network management, including SNMP security, NTP security, and NetFlow basics. Once you have completed this computer based training course, you will have gained the knowledge necessary to prepare for, and pass, the CCNP 300-101 ROUTE exam. Working files are included, allowing you to follow along with the author throughout the lessons.--Resource description page.

cisco 9800 wlc training: Cisco CCNP Switch , 2018 The Cisco CCNP SWITCH - Implementing Cisco IP Switched Networks v2.0 training course develops the required skills and expertise in the candidates that are needed to create an efficient and expandable enterprise network. The primary focus of this training course is on the Layer 2 and multilayer switch functions including VLANs,

trunks, inter-VLAN routing, port aggregation, spanning tree, first hop redundancy, as well as network security and high availability features. This extensive training course on Cisco Switching is part of the series on Cisco CCNP certification exam. The course helps the students to plan, configure, and verify the implementation of complex enterprise switching solutions for campus environments using the Cisco Enterprise Campus Architecture.--Resource description page.

cisco 9800 wlc training: Microsoft Cisco self-training CD - CCNA □□□□, 2005

cisco 9800 wlc training: Cisco Bring Your Own Device (BYOD) Networking LiveLessons (Video Training) Kevin Redmon, 2014 4+ Hours of Video Instruction Overview Cisco Bring Your Own Device (BYOD) Networking LiveLessons provides more than 4 hours of core video training covering Enterprise Mobility Architecture, Enterprise Network and Mobility, and onboarding of Consumer Devices--ensuring a differentiated, secure connection to the corporate network.

Description Cisco Bring Your Own Device (BYOD) Networking LiveLessons will introduce the viewer to the Cisco BYOD Smart Solution, focusing on version 2.5 of the Cisco Validated Design (CVD). The topics explained in this series will focus on the Cisco Smart Solution, but may be ubiquitous across other BYOD implementations. Cisco Bring Your Own Device (BYOD) Networking LiveLessons will begin with an explanation of the business model that makes BYOD such an appealing movement for IT organizations, from small businesses to large enterprises. As the business case is established, the author will then discuss the complete end-to-end BYOD architecture, taking a deep dive within each major topic area. The video training will cover everything from wired switchport access, wireless LAN configuration using Lightweight Access Points, as well as Guest access. The author will sometimes enrich the discussion points beyond the CVD topics to provide a complete, well-rounded approach to the Cisco BYOD Smart Solution. Major sections are as follows: Lesson 1: Overview of the Cisco BYOD Smart Solution Lesson 2: Basic ISE Configuration Lesson 3: Adding NAS to ISE Lesson 4: Wired Configuration Lesson 5: Wireless Configuration Lesson 6: Authentication Policy Lesson 7: Authorization Policy Lesson 8: Sponsor Portal Configuration Lesson 9: Guest Configuration Lesson 10: Lost/Stolen Devices Lesson 11: Mobile Device Managers (MDM) About the Instructor Kevin Redmon is the youngest of 12 children and was born in Marion, Ohio. Since joining Cisco in October 2000, Kevin has worked closely with several Cisco Design organizations, as a Firewall/VPN Customer Support Engineer with the Cisco Technical Assistant Center, and now as a Systems Test Engineer in the Systems Development Unit in RTP, NC, supporting the Cisco Validated Design for BYOD. He has a Bachelor of Science in Computer Engineering from Case Western Reserve University and a Masters of Science in Information Security from East Carolina University--as well as several Cisco Certifications. Kevin enjoys innovating new ideas to keep his mind fresh and currently has a patent listed with the United Stat...

cisco 9800 wlc training: Cisco IP Telephony David Lovell, 2002 Cisco authorized self-study book for IP Telephony foundation learning Cisco IP Telephony offers indispensable information on how to Configure and implement an end-to-end IP telephony solution using Cisco CallManager and CIPT devices to converge your voice and data networks Create, configure, and manage Cisco CallManager clusters to support small user environments as well as larger user environments with up to 10,000 users Optimize routing flexibility into your CIPT network design using route plans Ensure telephony class of service with partitions and calling search spaces Effect moves, adds, and changes on a large number of users and devices quickly and efficiently Perform proper installation, upgrade, and backup of Cisco CallManager clusters Monitor and perform troubleshooting tasks for a CIPT solution Cisco IP Telephony is a Cisco authorized self-paced learning tool. This book provides networking professionals with the fundamentals to implement a Cisco AVVID IP Telephony solution that can be run over a data network, therefore reducing costs associated with running separate data and telephone networks. Cisco IP Telephony focuses on using Cisco CallManager and other IP telephony components connected in LANs and WANs. This book provides you with a foundation for working with Cisco IP Telephony products, specifically Cisco CallManager. If your task is to install, configure, support, and maintain a CIPT network, this is the book for you. Part I of Cisco IP Telephony introduces IP telephony components in the Cisco AVVID environment. Part II covers basic

CIPT installation, configuration, and administration tasks, including building CallManager clusters; configuring route plans, route groups, route lists, route patterns, partitions, and calling search spaces; configuring and managing shared media resources such as transcoders, conference bridges, and music on hold; configuring and managing Cisco IP Phone features and users; configuring IP telephony component hardware and software; automating database moves, adds, and changes using the Bulk Administration Tool (BAT); and installing, upgrading, and creating backups for Cisco CallManager components. Part III deals with advanced CIPT configuration tasks for call preservation and shared media resources; covers distributed and centralized call processing model design in WAN environments; explains how to deploy Survivable Remote Site Telephony (SRST) to provide local call processing redundancy at remote branch sites; and provides tips, guidelines, and rules for deploying a Cisco IP Telephony solution, culled from seasoned practitioners in the field. Part IV focuses on three of the primary Cisco applications designed for integration in a Cisco CallManager environment-Cisco WebAttendant, Cisco IP SoftPhone, and Cisco Unity(tm). All this detailed information makes Cisco IP Telephony an ideal resource for the configuration and management of a Cisco IP Telephony solution. Cisco IP Telephony is part of a recommended learning path from Cisco Systems that can include simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining. This volume is in the Certification Self-Study Series offered by Cisco Press. Books in this series provide officially developed training solutions to help networking professionals understand technology implementations and prepare for the Cisco Career Certifications examinations.

cisco 9800 wlc training: Networking and IP Addressing Fundamentals LiveLessons (Video Training) , 2013 Description About the Author: Author.

cisco 9800 wlc training: It's Going Virl Guide Lyndon Tynes, 2018-11-07 It's Going VIRT Guide (1st Edition, VIRT 1.5.145)The most complete end-to-end guide in building a standalone Intel- or AMD-based Cisco Virtual Internet Routing Lab (VIRT). VIRT is Cisco's virtualization platform used to build network simulations. No physical routers needed. No physical switches needed. No physical firewalls needed. This guide was written specifically to focus on using an Intel or AMD host running Windows 10, VMware Workstation and using Cisco VIRT v1.5.145 - a nested virtualized simulation platform. Designed to assist network newbies, CCNA to CCIE candidates, or anyone pursuing further education in the field of network engineering. Design your own network, create a mock up of your production network and even connect your virtual infrastructure to a physical infrastructure...all without the risk of downtime.Everything you need to know to: -Configure routers, switches and firewalls-Complete the installation within an hour-Design a network within minutes-Transmit and analyze true network traffic-Prepare yourself for CCNA to CCIE certifications.All virtualized network equipment is a replica of the true physical network equipment used in today's data centers and offices.So if you're ready to start designing a network, this guide is your one stop shop. No need to research community blogs or other websites for answers. EVERYTHING YOU NEED TO GET UP AND RUNNING IS HERE WITHIN THIS GUIDE!

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