



دورة تدريبية مكثفة لاجتياز اختبار (Cisco) والحصول على شهادة (200-301 CCNA) بنجاح



AGILE LEADERS
Training Center

06 - 17 Jul 2027
أبوظبي

دورة تدريبية مكثفة للاجتياز اختبار (Cisco) والحصول على شهادة (CCNA) 200-301 بنجاح

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CCNA 200-301 Exam Success: Comprehensive Cisco Certification Prep Course Overview:

This comprehensive course is designed to guide participants through the crucial aspects of the CCNA 200-301 exam, offering an in-depth exploration of networking fundamentals, TCP/IP networking, and Ethernet LAN basics. With a focus on practical skills such as switch management, VLANs implementation, and Spanning Tree Protocol, the course equips learners with the knowledge and hands-on experience needed for success in the CCNA certification. From mastering Cisco CLI to delving into the complexities of IPv4 and IPv6 networking, including subnetting and addressing, participants will gain valuable insights into Cisco routers operation and troubleshooting. This course also includes a special emphasis on wireless LANs in CCNA, Cisco Wireless Architectures, and network security, ensuring a comprehensive understanding of modern networking technologies. Additionally, participants will engage in network simulation and practice, preparing them for real-world scenarios.

Target Audience:

This course is ideal for Network Engineers, IT Professionals, Systems Administrators, and anyone aspiring to pass the CCNA exam. Participants looking to deepen their understanding of networking concepts, enhance their troubleshooting skills, or aiming for career advancement in network management will find this course particularly beneficial.

Targeted Organizational Departments:

The IT and Network Management departments will benefit significantly from this course. It addresses the specific skill gaps in areas like network setup, maintenance, security, and efficient operation of Cisco network solutions.

Targeted Industries:

Industries like Telecommunications, IT Consultancy, Network Security, and any business with a significant reliance on network infrastructure will greatly benefit from this course. The ever-evolving network technologies and their importance in business operations make this course essential.

Course Offerings:

Participants will learn about:

- Networking fundamentals and TCP/IP principles.
- Configuring and managing Ethernet LANs.
- Implementing VLANs and understanding the Spanning Tree Protocol.
- Mastering IPv4/IPv6 addressing and subnetting.
- Operating and troubleshooting Cisco routers.
- Understanding OSPF and other routing protocols.
- Setting up and securing wireless LANs.

Training Methodology:

This course utilizes a blend of theoretical learning and practical application, including case studies, group work, interactive sessions, and simulation exercises. The training will be hands-on, with a focus on real-world scenarios, to ensure that participants can apply their learning directly to their work environment. Feedback sessions will be an integral part of the course, allowing for personal and professional development.

Course Toolbox:

Participants will receive resources such as:

- CCNA study guides and exam preparation materials.
- Access to network simulation software.
- Comprehensive workbooks and reading materials.
- Online resources for further learning.
- Checklists and templates for network management.

Course Agenda:

Day 1: Introduction to Networking and TCP/IP

- Overview of TCP/IP Networking and its Historical Development Topic 1:
- Examining the TCP/IP Networking Model Topic 2:
- Delving into TCP/IP Application and Transport Layers Topic 3:
- Understanding Internet Protocol and IP Addressing Basics Topic 4:
- Comparing OSI and TCP/IP Models Topic 5:
- Recap of TCP/IP Networking Fundamentals and Model Comparisons Reflection & Review:

Day 2: Ethernet LANs and WAN Fundamentals

- Basics of Ethernet LANs and Physical Layer Standards Topic 1: •
- Understanding Ethernet Data-Link Protocols and Addressing Topic 2: •
- Exploring WAN Technologies and IP Routing Topic 3: •
- Ethernet WANs and Leased-Line WAN Concepts Topic 4: •
- Network Layer Routing Logic and Features Topic 5: •
- Review of Ethernet LANs and WAN Fundamentals Reflection & Review: •

Day 3: Cisco CLI and Ethernet Switching

- Navigating the Cisco Command-Line Interface CLI Topic 1: •
- Accessing and Configuring the Cisco IOS CLI Topic 2: •
- Analyzing Ethernet LAN Switching Concepts Topic 3: •
- Learning MAC Addressing and Frame Forwarding Topic 4: •
- Switch Interface Configuration and Verification Topic 5: •
- Recap of CLI Usage and Ethernet Switching Analysis Reflection & Review: •

Day 4: VLAN Implementation and Management

- Implementing Ethernet Virtual LANs VLANs Topic 1: •
- VLAN Tagging and Trunking Protocols Topic 2: •
- Configuring Basic Switch Management Topic 3: •
- VLAN and VLAN Trunking Configurations Topic 4: •
- Troubleshooting VLANs and VLAN Trunks Topic 5: •
- Review of VLAN Concepts and Configuration Techniques Reflection & Review: •

Day 5: Advanced Switching and STP Concepts

- Advanced Ethernet LAN Switching Strategies Topic 1: •
- Spanning Tree Protocol STP and Rapid STP RSTP Basics Topic 2: •
- Implementing and Configuring STP and RSTP Topic 3: •
- EtherChannel Configuration and Management Topic 4: •
- Optional STP Features and EtherChannel Load Distribution Topic 5: •
- Recap of Advanced Switching Concepts and STP Reflection & Review: •

Day 6: Mastering IPv4 Addressing and Subnetting

- Perspectives on IPv4 Subnetting Topic 1: •
- Analyzing Classful IPv4 Networks Topic 2: •
- Understanding and Analyzing Subnet Masks Topic 3: •
- Techniques for Analyzing Existing Subnets Topic 4: •
- Design and Implementation of IPv4 Addressing Topic 5: •
- Review of IPv4 Addressing and Subnetting Techniques Reflection & Review: •

Day 7: IPv4 and IPv6 Routing Operations

- Operating Cisco Routers for IPv4 Networks Topic 1: •
- Configuring IPv4 Addresses and Static Routes Topic 2: •
- Fundamentals of IP Version 6 IPv6 Topic 3: •
- IPv6 Addressing Formats and Conventions Topic 4: •
- Implementing IPv6 Addressing on Routers Topic 5: •
- Recap of IPv4 and IPv6 Routing Concepts Reflection & Review: •

Day 8: Wireless Networks and Security

- Fundamentals of Wireless Networks Topic 1: •
- Analyzing Cisco Wireless Architectures Topic 2: •
- Securing Wireless Networks Topic 3: •
- Building and Managing a Wireless LAN Topic 4: •
- Introduction to Wireless Bands and Channels Topic 5: •
- Review of Wireless Networking Concepts and Security Reflection & Review: •

Day 9: OSPF Protocols and Advanced Routing

- Understanding OSPF Concepts and Operations Topic 1: •
- Implementing Single-Area and Multiarea OSPF Topic 2: •
- OSPF Network Types and Neighbor Relationships Topic 3: •
- Implementing IPv6 Routing and Addressing Topic 4: •
- Troubleshooting and Optimizing OSPF Networks Topic 5: •
- Review of OSPF and Advanced Routing Techniques Reflection & Review: •

Day 10: Course Wrap-Up and Exam Preparation

- Comprehensive Review of Course Topics Topic 1: •
- Final Assessment and Exam Preparation Strategies Topic 2: •
- Simulation and Practical Application of Learned Skills Topic 3: •
- Networking Trends and Future Learning Paths Topic 4: •
- Q&A Session and Clarification of Doubts Topic 5: •
- Final Reflections and Next Steps Post-Course Reflection & Review: •

How This Course is Different from Other CCNA Exam Certification Prep Courses:

This course stands out for its holistic approach to CCNA exam preparation, blending theoretical knowledge with practical application. Unlike other courses, it provides in-depth training on both IPv4 and IPv6 networking, alongside comprehensive Cisco CLI training. The course offers unique network simulation and practice sessions, allowing participants to gain hands-on experience in a controlled environment. The inclusion of current trends in wireless networking and security further enriches the learning experience, making it an unparalleled resource for those seeking CCNA certification.

فئات الدورات التدريبية

الدورات التدريبية في مجال البيئة والاستدامة	دورات إدارة الجودة وتطوير العمليات
دورات إدارة و تحليل البيانات ودورات علم البيانات	دورات إدارة و تطوير الموارد البشرية
دورات الذهن السيرياني ودورات تقنية المعلومات	دورات الاتصال الجماهيري و السياسات والعلاقات العامة
دورات التدريب القانوني والهشتريات والتعاقدات	دورات التسويق وإدارة علاقات العملاء وإدارة المبيعات
دورات الحوكمة وإدارة المخاطر والامتثال	دورات السكرتارية و إدارة المكاتب
دورات الصحة والسلامة والذهن المهني	دورات الصيانة ودورات المجالات الهندسية المتنوعة
دورات المحاسبة و التهويل و دورات الإدارة المالية	دورات المهارات الشخصية وتطوير الذات
دورات في مجالات القيادة والإدارة	دورات معتمدة من قبل هيئات دولية
دورات مكتب إدارة المشاريع وإدارة المشاريع الرشيقية	

معدن التدريب

أكرّا غانا	أثينا اليونان	أبوظبى الإمارات العربية المتحدة
الجبيل المملكة العربية السعودية	اسطنبول تركيا	أهستردام هولندا
الرياض المملكة العربية السعودية	الدوحة قطر	الدار البيضاء المغرب
المنامة مملكة البحرين	الكويت الكويت	القاهرة مصر
بانكوك تايلند	باكو أذربيجان	باريس فرنسا
برلين ألمانيا	برشلونة إسبانيا	براغ جمهورية التشيك
تيليسى جورجيا	بوكت تايلاند	بورتنو البرتغال
جنيف سويسرا	جاکرتا جمهورية إندونيسيا	تورنتو كندا
روما إيطاليا	دلي الإمارات العربية المتحدة	جوهانسبرغ جنوب أفريقيا
سنغافورة سنغافورة	سان دييغو الولايات المتحدة الأمريكية	زنجانر تنزانيا
شيكاغو الولايات المتحدة الأمريكية	شرم الشيخ مصر	سيول كوريا الجنوبية
طوكيو اليابان	طشقند أوزبكستان	طرابزون تركيا
فرانكفورت ألمانيا	عن بعد منصة زوم	عمان المملكة الأردنية الهاشمية

مدن التدريب

كيب تاون جنوب افريقيا	كوالالمبور ماليزيا	فيينا النمسا
لندن المملكة المتحدة	لشبونة البرتغال	لانكاوي ماليزيا
مسقط سلطنة عمان	هدريد اسبانيا	ماربيا اسبانيا
ميونخ ألمانيا	ميلان إيطاليا	مونترو سويسرا
	نيويورك الولايات المتحدة الأمريكية	نيروبي كينيا