

Ccna V7 Final Exam

CCNA 1 v7.0 Final Exam Answers Full - Introduction to Networks

August 18, 2020 admin

1. What two ICMPv6 message types must be permitted through IPv6 access control lists to allow resolution of Layer 3 addresses to Layer 2 MAC addresses? (Choose two.)

- neighbor solicitations
- echo requests
- neighbor advertisements
- echo replies
- router solicitations
- router advertisements

2. Which range of link-local addresses can be assigned to an IPv6-enabled interface?

- FEC0::/10
- FDEE::/7
- FE80::/10
- FF00::/8

Explain:

Link-local addresses are in the range of FE80::/10 to FEBF::/10. The original IPv6 specification defined site-local addresses and used the prefix range FEC0::/10, but these addresses were deprecated by the IETF in favor of unique local addresses. FDEE::/7 is a unique local address because it is in the range of FC00::/7 to FDFF::/7. IPv6 multicast addresses have the prefix FF00::/8.

3. What would be the interface ID of an IPv6 enabled interface with a MAC address of 1C-6F-65-C2-BD-F8 when the interface ID is generated by using the EUI-64 process?

- 0C6F:65FF:FEC2:BDF8
- 1E6F:65FF:FEC2:BDF8
- C16F:65FF:FEC2:BDF8
- 106F:65FF:FEC2:BDF8

4. An organization is assigned an IPv6 address block of 2001:db8:0:ca00::/56. How many subnets can be created without using bits in the interface ID space?

- 256
- 512
- 1024
- 4096

CCNA v7 Final Exam is a crucial component of the Cisco Certified Network Associate (CCNA) certification process. The CCNA certification is recognized globally and demonstrates that an individual has the skills and knowledge necessary to install, configure, and troubleshoot networks. The final exam for the CCNA v7 curriculum is a comprehensive assessment that evaluates a candidate's understanding of networking concepts, protocols, and practical applications. As networking technologies continue to evolve, the CCNA certification remains relevant, ensuring that IT professionals are equipped with the latest knowledge in the field.

Understanding CCNA v7

CCNA v7 is part of Cisco's updated curriculum designed to reflect the current networking landscape. The course covers a wide range of topics that are essential for anyone pursuing a career in IT networking.

Key Topics Covered in CCNA v7

The CCNA v7 curriculum covers numerous essential topics, including but not limited to:

1. Network Fundamentals
 - OSI and TCP/IP models
 - Network topologies
 - IP addressing and subnetting
 - VLANs and trunking
2. Network Access
 - Ethernet concepts
 - Switch operation and configuration
 - Wireless LAN concepts
3. IP Connectivity
 - Routing concepts
 - Static and dynamic routing protocols
 - IPv4 and IPv6 addressing
4. IP Services
 - DHCP and DNS
 - NAT and NTP
 - Quality of Service (QoS)
5. Security Fundamentals
 - Security concepts and principles
 - Access control lists (ACLs)
 - Secure network management
6. Automation and Programmability
 - Introduction to network automation
 - APIs and their role in networking
 - Understanding Cisco DNA Center

The Structure of the CCNA v7 Final Exam

The final exam for CCNA v7 is structured to assess a candidate's knowledge and skills comprehensively. Understanding the exam's structure is key to

effective preparation.

Exam Format

- Number of Questions: The exam typically consists of 60 to 70 questions.
- Question Types: The questions may include multiple-choice, drag-and-drop, simulation-based questions, and fill-in-the-blank formats.
- Duration: Candidates are generally given 120 minutes to complete the exam.
- Passing Score: The passing score varies but is generally around 825 to 850 out of 1000 points.

Types of Questions

The questions on the CCNA v7 final exam are designed to test both theoretical knowledge and practical skills. They can be categorized as follows:

1. Multiple Choice Questions: These questions assess the candidate's theoretical understanding and ability to apply concepts in various scenarios.
2. Simulation Questions: Candidates are often provided with a digital simulation of a networking environment and asked to perform specific tasks, such as configuring a router or troubleshooting a network issue.
3. Drag-and-Drop Questions: These questions require candidates to match concepts, protocols, or network devices with their respective descriptions or functions.
4. Fill-in-the-Blank Questions: These questions test a candidate's recall of specific terminologies, commands, or configurations.

Preparing for the CCNA v7 Final Exam

Preparation for the CCNA v7 final exam requires a strategic approach. Here are some effective methods to ensure thorough preparation:

Study Resources

Utilizing a variety of study resources can enhance understanding and retention of the course material. Recommended resources include:

- Cisco Networking Academy: Enroll in the official Cisco Networking Academy for access to online courses, study materials, and hands-on labs.
- Books: Consider reading renowned books such as "CCNA 200-301 Official Cert

Guide" by Wendell Odom.

- Online Courses: Platforms like Udemy, Coursera, and Pluralsight offer CCNA preparation courses.
- Practice Exams: Use practice tests available online to familiarize yourself with the exam format and question types.

Hands-On Practice

Practical experience is vital in preparing for the CCNA final exam. Here are some ways to gain hands-on practice:

- Cisco Packet Tracer: This network simulation tool allows candidates to create network topologies, configure devices, and simulate network behavior.
- GNS3: A more advanced network simulator that provides a realistic environment for configuring Cisco devices.
- Physical Labs: If possible, gain access to physical networking equipment for hands-on experience with routers and switches.

Study Groups and Forums

Joining study groups and forums can provide additional support and motivation. Consider engaging in the following:

- Online Forums: Participate in communities such as Reddit, Cisco Learning Network, or TechExams to ask questions and share knowledge.
- Study Groups: Form or join study groups with peers to discuss topics, share resources, and quiz each other on key concepts.

Tips for Taking the CCNA v7 Final Exam

On the day of the exam, being well-prepared is essential. Here are some tips to help candidates succeed:

1. Read Questions Carefully: Take the time to read each question thoroughly and understand what is being asked before selecting an answer.
2. Time Management: Keep track of time, ensuring that you have adequate time to answer all questions and review your answers.
3. Prioritize Questions: If you encounter a difficult question, move on and return to it later. Answering questions you are confident about first can help build momentum.
4. Use the Process of Elimination: For multiple-choice questions, eliminate clearly incorrect answers to increase the chances of selecting the correct

option.

5. Review Simulation Tasks: For simulation questions, ensure that you follow the requirements specified in the task, as this will directly affect your score.

Conclusion

The CCNA v7 final exam is a vital step in achieving Cisco certification, which opens up numerous career opportunities in networking. By thoroughly understanding the exam structure, utilizing effective preparation strategies, and practicing hands-on skills, candidates can enhance their chances of success. Networking continues to be a dynamic field, and obtaining the CCNA certification not only validates one's skills but also demonstrates a commitment to professional growth in the ever-evolving landscape of technology. With dedication and the right resources, passing the CCNA v7 final exam can be a rewarding achievement that propels your career forward in the IT industry.

Frequently Asked Questions

What topics are covered in the CCNA v7 final exam?

The CCNA v7 final exam covers a range of topics including network fundamentals, IP connectivity, IP services, security fundamentals, automation and programmability, and more.

How long is the CCNA v7 final exam?

The CCNA v7 final exam typically lasts for 120 minutes.

What is the passing score for the CCNA v7 final exam?

The passing score for the CCNA v7 final exam is typically around 825 out of 1000, but it can vary slightly based on the exam version.

Can I retake the CCNA v7 final exam if I fail?

Yes, you can retake the CCNA v7 final exam, but you must wait for a specified period, usually 5 days, before attempting it again.

Are there any prerequisites for taking the CCNA v7 final exam?

There are no formal prerequisites for taking the CCNA v7 final exam, but it

is recommended to have a basic understanding of networking concepts.

What resources are recommended for preparing for the CCNA v7 final exam?

Recommended resources include Cisco's official study materials, online courses, practice exams, and lab simulations to gain hands-on experience.

Is the CCNA v7 final exam available online?

Yes, the CCNA v7 final exam can be taken online at authorized testing centers or through online proctoring.

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