

CWNA-109 Online Praxisprüfung - CWNA-109 Vorbereitung

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Certified Wireless Network Administrator

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1. You are designing an 802.3at-compliant network and are installing a 24-port Ethernet switch to

Sind Sie einer von den vielen? Machen Sie sich noch Sorgen wegen den zahlreichen Kurse und Materialien zur CWNP CWNA-109 Zertifizierungsprüfung? ExamFragen ist Ihnen eine weise Wahl, denn wir Ihnen die umfassendsten Prüfungsmaterialien bieten, die Fragen und Antworten und ausführliche Erklärungen beinhalten. Alle diesen werden Ihnen helfen, die Fachkenntnisse zu beherrschen. Wir sind selbstsicher, dass Sie die CWNP CWNA-109 Zertifizierungsprüfung bestehen. Das ist unser Versprechen an den Kunden.

Die CWNP Zertifizierungen sind heute immer mehr populär, weil diese international anerkannt sind. Deshalb nehmen immer mehr Leute CWNP an Zertifizierungsprüfungen teil. Darunter ist die CWNP CWNA-109 Prüfung eine der wichtigsten Prüfungen. Und, Wie können Sie sich auf die CWNP CWNA-109 Prüfung vorbereiten? Lernen alle Kenntnisse sehr fleißig auswendig? Oder Benutzen die hocheffektiven Prüfungsunterlagen?

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In den letzten Jahren entwickelt sich die IT-Branche sehr schnell. Viele Leute fangen an, IT-Kenntnisse zu lernen. Sie geben viel Mühe aus, um eine bessere Zukunft zu haben. Die CWNP CWNA-109 Zertifizierungsprüfung ist eine unentbehrliche

Zertifizierungsprüfung in der IT-Branche. Viele Leute machen sich große Sorgen um die Prüfung. Heute empfehle ich Ihnen eine gute Methode, nämlich, die Fragenkataloge zur CWNP CWNA-109 Zertifizierungsprüfung von ExamFragen zu kaufen. Sie können Ihnen helfen, die CWNP CWNA-109 Zertifizierungsprüfung 100% zu bestehen. Sonst geben wir Ihnen eine volle Rückerstattung. Und Sie würden keine Verluste erleiden.

CWNP CWNA-109 Prüfungsplan:

Thema	Einzelheiten
Thema 1	Radio Frequency (RF) Technologies: This topic explains the basic features and behavior of RF. It also discusses applying the basic concepts of RF mathematics and measurement. Lastly, the topic covers RF signal characteristics and the functionality of RF antennas.
Thema 2	WLAN Regulations and Standards: The topic discusses the roles of WLAN and networking industry organizations. It also addresses the concepts of various Physical Layer (PHY) solutions, spread spectrum technologies, and 802.11 WLAN functional concepts.
Thema 3	WLAN Network Architecture and Design Concepts: This topic deals with describing and implementing Power over Ethernet (PoE). Furthermore, the topic covers different wireless LAN architectures, coverage requirements, roaming considerations, and common proprietary features in wireless networks.
Thema 4	WLAN Network Security: It addresses the concepts of weak security options, security mechanisms for enterprise WLANs, and security options and tools used in wireless networks.
Thema 5	RF Validation and WLAN remediation: This topic covers RF interference, WLAN performance, the basic features of validation tools, and common wireless issues.

CWNP Wireless Network Administrator (CWNA) CWNA-109 Prüfungsfragen mit Lösungen (Q44-Q49):

44. Frage

What wireless networking term describes the increase of RF energy in an intentional direction with the use of an antenna?

- A. Active Amplification
- B. Directed Radiation
- C. Passive Gain
- D. Beam Digression

Antwort: C

Begründung:

Passive Gain is the increase of RF energy in an intentional direction with the use of an antenna. It is achieved by focusing the same amount of power into a smaller area, resulting in a higher power density and a stronger signal. Passive Gain does not require any additional power or amplification, but rather depends on the antenna's physical characteristics, such as size, shape, and orientation. Passive Gain is also expressed in decibels (dB) and is related to the antenna's beamwidth and directivity. References: 1, Chapter 2, page 63; 2, Section 2.3

45. Frage

When compared with legacy Power Save mode, how does VHT TXOP power save improve battery life for devices on a WLAN?

- A. VHT TXOP power save allows stations to enter sleep mode and legacy Power Save does not.
- B. VHT TXOP power save allows the WLAN transceiver to disable more components when in a low power state.
- C. VHT TXOP power save uses the partial AID in the preamble to allow clients to identify frames targeted for them.
- D. Legacy Power Save mode was removed in the 802.11ac amendment.

Antwort: B

Begründung:

VHT TXOP (Very High Throughput Transmit Opportunity) power save is a feature introduced with the 802.11ac amendment, which is designed to improve the power efficiency of devices connected to a WLAN.

This feature enhances battery life in several ways, compared to the legacy Power Save mode:

- * Enhanced Power Saving: VHT TXOP power save allows devices to disable more components of the WLAN transceiver when they are in a low power state. This reduces the power consumption during periods when the device is not actively transmitting or receiving data.

- * Intelligent Wake-Up Mechanisms: It employs more sophisticated mechanisms for devices to determine when they need to wake up and listen to the channel, further reducing unnecessary power usage.

- * Optimized Operation: This power save mode is optimized for the high-throughput environment of 802.11ac networks, allowing devices to efficiently manage power while maintaining high performance.

Legacy Power Save mode, introduced in earlier versions of the 802.11 standards, does not provide the same level of component disablement or the intelligent wake-up mechanisms found in VHT TXOP power save, making option B the correct answer.

References:

- * IEEE 802.11ac-2013 Amendment: Enhancements for Very High Throughput for Operation in Bands below 6 GHz

- * CWNA Certified Wireless Network Administrator Official Study Guide: Exam CWNA-109, by David D. Coleman and David A. Westcott.

46. Frage

What frame type is used to reserve the wireless medium for the transmission of high data rate frames that may not be understood by all clients connected to the BSS?

- A. Beacon
- B. PS-Poll
- C. ACK
- **D. RTS**

Antwort: D

Begründung:

The frame type that is used to reserve the wireless medium for the transmission of high data rate frames that may not be understood by all clients connected to the BSS is RTS. RTS stands for Request to Send and is a control frame that is sent by a station to request access to the medium for a specified duration. The RTS frame contains the source and destination MAC addresses, as well as a Network Allocation Vector (NAV) value that indicates how long the medium will be occupied. The destination station responds with a Clear to Send (CTS) frame that echoes the NAV value and grants permission to the source station. All other stations in the BSS hear either the RTS or CTS frame and update their NAV timers accordingly, deferring their transmissions until the medium is free. The RTS/CTS mechanism can be used to prevent hidden node problems, reduce collisions, and protect high data rate frames that use features such as 802.11n or 802.11ac that may not be compatible with legacy stations. ACK, Beacon, and PS-Poll are not used to reserve the medium for high data rate frames. References: [CWNP Certified Wireless Network Administrator Official Study Guide: Exam CWNA-109], page 112; [CWNA: Certified Wireless Network Administrator Official Study Guide: Exam CWNA-109], page 102.

47. Frage

ABC Company is planning a point-to-multipoint outdoor bridge deployment with standalone (autonomous) 802.11 bridge units. 802.1X/EAP will be used for bridge authentication. A Linux-based RADIUS server will be used for authentication. What device in the bridge implementation acts as the 802.1X Authenticator?

- **A. The root bridge**
- B. All non-root bridges
- C. The RADIUS server
- D. The Ethernet switch

Antwort: A

Begründung:

The device in the bridge implementation that acts as the 802.1X Authenticator is the root bridge. The root bridge is the bridge that connects to the wired network and acts as the central point for all other bridges in the point-to-multipoint topology. The root bridge authenticates the non-root bridges using 802.1X/EAP and forwards their authentication requests to the RADIUS server. The non-root bridges act as the 802.1X Supplicants and use EAP methods such as EAP-TLS or EAP-PEAP to authenticate with the root bridge. References: [CWNP Certified Wireless Network Administrator Official Study Guide:

48. Frage

An 802.11 WLAN transmitter that emits a 50 mW signal is connected to a cable with 3 dB of loss. The cable is connected to an antenna with 16 dBi of gain. What is the power level at the Intentional Radiator?

- A. 1000 mW
- B. 500 mW
- C. 250 mW
- D. 25 mW

Antwort: A

49. Frage

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