

Pass Guaranteed 2025 Efficient MikroTik MTCNA: Valid MikroTik Certified Network Associate Exam Study Notes



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Try our best to get the related MTCNA certification is the best way to show our professional ability, however, the exam is hard nut to crack and there are so many MTCNA preparation questions related to the exam, it seems impossible for us to systematize all of the key points needed for the exam by ourselves. We would like to help you out with the MTCNA Training Materials compiled by our company. There are so many strong points of our MTCNA training materials, you will be bound to pass the MTCNA exam with high scores.

What is the duration, language, and format of the MikroTik Certified Network Associate (MTCNA) Exam

- Language of Exam: English
- Number of Questions: 25
- Attempts: Second attempt available for those who score between 50-59%
- Passing score: 60%
- Duration of Exam: 60 minutes

MikroTik MTCNA Exam covers topics such as network architecture, routing, wireless networking, firewall configuration, and network monitoring. MTCNA Exam is conducted online and consists of multiple-choice questions, with a passing score of 60%. Candidates who pass the exam receive a certificate that validates their expertise in MikroTik networking devices and their ability to deploy and manage network solutions effectively.

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Quiz 2025 MikroTik MTCNA: Perfect Valid MikroTik Certified Network Associate Exam Study Notes

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MikroTik MTCNA (MikroTik Certified Network Associate) Exam is a certification exam designed for individuals who want to demonstrate their knowledge and skills in network administration using MikroTik RouterOS software. The MTCNA exam covers

various topics such as basic networking concepts, router configuration, wireless networking, firewall and security, and advanced routing protocols. Passing the MTCNA Exam is a testament to an individual's ability to configure, manage, and troubleshoot MikroTik networks.

MikroTik Certified Network Associate Exam Sample Questions (Q174-Q179):

NEW QUESTION # 174

Mark the queue types that are available in RouterOS

- A. SFQ - Stochastic Fairness Queuing
- B. RED - Random Early Detect (or Drop)
- C. FIFO - First In First Out (for Bytes or for Packets)
- D. LIFO - Last In First Out
- E. DRR - Deficit Round Robin
- F. PCQ - Per Connection Queuing

Answer: A,B,C,F

Explanation:

MikroTik RouterOS offers several queuing types under /queue type. These queuing algorithms manage how packets are buffered and sent, affecting fairness, delay, and throughput.

Available queue types in RouterOS:

- * SFQ (Stochastic Fairness Queuing)#
- * FIFO (First In First Out - for bytes or packets)#
- * PCQ (Per Connection Queuing)#
- * RED (Random Early Detection/Drop)#

Unavailable queue types:

- * DRR#- Not supported by RouterOS
- * LIFO#- Not supported; not suitable for networking queues

Extract from Official MTCNA Course Material - Queue Types:

"RouterOS supports PCQ, SFQ, RED, FIFO, and more. DRR and LIFO are not implemented." Extract from Rene Meneses MTCNA Study Guide - Traffic Management:

"Only PCQ, FIFO, SFQ, RED are listed under /queue type. DRR and LIFO do not appear in the supported list." Extract from MikroTik Wiki - Queue Types:

"Supported types include FIFO, PCQ, RED, and SFQ. Each has specific use cases for latency or fairness."

NEW QUESTION # 175

What is the correct action for a NAT rule on a router that should intercept SMTP traffic and send it over to a specified mail server?

- A. tarpit
- B. dst-nat
- C. redirect
- D. passthrough

Answer: B

Explanation:

To forward traffic from one destination to another (such as from the public IP to an internal mail server), the dst-nat action is used in MikroTik NAT rules.

* dst-nat: Modifies the destination IP address and/or port of the packet. Used to forward traffic to an internal resource.

* tarpit: Captures and holds TCP connections (used for spam traps or slowing down bots) ##

* passthrough: Used in mangle rules; allows the packet to be evaluated by the next rule ##

* redirect: Redirects traffic to the router itself (e.g., proxy or DNS services) ## So, for external SMTP traffic (e.g., TCP port 25), we use a dst-nat rule that forwards the traffic to the internal mail server.

MTCNA NAT Section - Destination NAT:

"To forward SMTP traffic from a public address to a private server, use dst-nat with appropriate port and IP." Rene Meneses Guide - Practical NAT Examples:

"Use dst-nat for port forwarding. Redirect is for internal services like DNS or web proxy." Terry Combs Notes - NAT Action Summary:

"dst-nat = most common for external-to-internal mapping (e.g., mail servers, web servers)."

NEW QUESTION # 176

Mark all correct answers.

- A. The only way to prevent wireless clients connections - disable wireless interface
- B. Default-Forwarding could be enabled for a specific clients by wireless access-list
- C. /ip firewall filter allows to deny authentication to AP
- D. Wireless access-list could allow and deny connect to your AP

Answer: D

NEW QUESTION # 177

Which of the following is used in standard 802.11 wireless networks?

- A. CSMA/CA
- B. CSMA/CD
- C. FDD
- D. CDMA

Answer: A

Explanation:

802.11 (Wi-Fi) wireless networks use CSMA/CA (Carrier Sense Multiple Access with Collision Avoidance) as their access method.

Unlike wired Ethernet, which uses CSMA/CD (Collision Detection), wireless devices can't detect collisions efficiently. So they use avoidance techniques, like:

- * RTS/CTS (Request to Send)
- * Back-off timers

Evaluation:

- * A. CSMA/CA ##Correct method used in wireless networks
- * B. CDMA ##Used in cellular technologies like 3G, not Wi-Fi
- * C. FDD (Frequency Division Duplexing) ##Not part of Wi-Fi MAC layer
- * D. CSMA/CD ##Used in Ethernet (wired), not suitable for wireless

MTCNA Course Manual - 802.11 Wireless Principles:

"Wireless uses CSMA/CA to avoid collisions, as it's difficult to detect them in the air." Rene Meneses Guide - Wireless Technology Overview:

"Wi-Fi operates under CSMA/CA, which is based on listen-before-talk and collision avoidance." Terry Combs Notes - Wi-Fi Access Methods:

"Wired = CSMA/CD. Wireless = CSMA/CA. They are not interchangeable."

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NEW QUESTION # 178

Simple Queue number 0 defines 2M for upload and download for target IP 10.10.0.33.

Simple Queue number 1 defines 4M for upload and download for the same target IP 10.10.0.33.

Client 10.10.0.33 will be able to obtain:

- A. 2M upload/download
- B. 0M upload/download
- C. 4M upload/download
- D. 6M upload/download

Answer: A

Explanation:

In MikroTik RouterOS, when multiple simple queues are configured for the same target (IP address), only the first matching queue in sequence is processed. This means that:

- * If queue 0 (2M) comes before queue 1 (4M), the 2M limit will be enforced.

"If two queues match the same IP, only the first is active. Don't stack queues unless using a queue tree."

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