

MikroTik Certification Practice Exam (Sample)

Study Guide



Everything you need from our exam experts!

Copyright © 2026 by Examzify - A Kaluba Technologies Inc. product.

ALL RIGHTS RESERVED.

No part of this book may be reproduced or transferred in any form or by any means, graphic, electronic, or mechanical, including photocopying, recording, web distribution, taping, or by any information storage retrieval system, without the written permission of the author.

Notice: Examzify makes every reasonable effort to obtain accurate, complete, and timely information about this product from reliable sources.

SAMPLE

Table of Contents

Copyright 1

Table of Contents 2

Introduction 3

How to Use This Guide 4

Questions 5

Answers 8

Explanations 10

Next Steps 16

SAMPLE

Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 - 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

Questions

SAMPLE

- 1. Which network service is primarily used to map domain names to IP addresses?**
 - A. HTTP**
 - B. DNS**
 - C. FTP**
 - D. DHCP**

- 2. How can the issue of a RouterBoard1000 resetting its clock after a reboot be solved?**
 - A. Write a script in '/system script' to set the clock**
 - B. Open the router and ensure the CMOS battery is fine**
 - C. Configure '/system ntp client' and set a valid and reachable NTP server address**
 - D. Manually set the clock after each reboot**

- 3. If WPA2 Pre Shared Key (PSK) is enabled on an access point, what is needed for clients to connect?**
 - A. Different PSK for each client**
 - B. Same PSK for all clients**
 - C. No PSK is required**
 - D. WPA1 is preferred**

- 4. Which of the following statements about MikroTik RouterOS backup files is true?**
 - A. Usernames and passwords are saved in the backup**
 - B. Files from /files are included in the backup**
 - C. The entire router configuration is saved**
 - D. All of the above**

- 5. Which feature allows MikroTik to monitor and manage network traffic in real-time?**
 - A. Packet Sniffer**
 - B. Bandwidth Test**
 - C. Netwatch**
 - D. Traffic Flow**

- 6. What functionality does the MikroTik RouterOS provide for VPN connections?**
- A. Dynamic DNS configuration**
 - B. Multi-protocol support**
 - C. Only PPTP support**
 - D. No support for encryption**
- 7. In order to use dynamic keys in your wireless security profile, what is true about the DHCP server?**
- A. True**
 - B. False**
- 8. Is it possible to create an encrypted PPPoE tunnel in RouterOS?**
- A. True**
 - B. False**
- 9. Can an IP address pool include addresses from multiple subnets?**
- A. Yes, it's allowed**
 - B. No, it must be one subnet**
 - C. Only static addresses can cross subnets**
 - D. Only in a multi-site network**
- 10. Which command will reset the MikroTik router configuration to default settings?**
- A. /system reset-configuration**
 - B. /interface reset**
 - C. /ip reset**
 - D. /configure reset**

Answers

SAMPLE

1. B
2. C
3. B
4. D
5. D
6. B
7. B
8. A
9. A
10. A

SAMPLE

Explanations

SAMPLE

1. Which network service is primarily used to map domain names to IP addresses?

- A. HTTP**
- B. DNS**
- C. FTP**
- D. DHCP**

The service that is primarily used to map domain names to IP addresses is DNS, or Domain Name System. DNS functions as the phonebook of the internet, allowing users to access websites using human-readable domain names, such as `www.example.com`, instead of having to remember the numerical IP address associated with that domain. When a user enters a domain name into a web browser, the DNS translates that name into the corresponding IP address, enabling the browser to locate the correct server and retrieve the requested web page. This process is fundamental to the functionality of the internet, as it provides a user-friendly way to navigate without needing technical knowledge of IP addressing. While other network services mentioned serve different purposes, such as HTTP being used for transferring web pages, FTP for file transfers, and DHCP for assigning IP addresses to devices on a network, none of them primarily handle the mapping of domain names to IP addresses, which is the specific function of DNS. This makes DNS essential for internet navigation and connectivity.

2. How can the issue of a RouterBoard1000 resetting its clock after a reboot be solved?

- A. Write a script in '/system script' to set the clock**
- B. Open the router and ensure the CMOS battery is fine**
- C. Configure '/system ntp client' and set a valid and reachable NTP server address**
- D. Manually set the clock after each reboot**

The best approach to resolve the issue of a RouterBoard1000 resetting its clock after a reboot is to configure the system to utilize an NTP (Network Time Protocol) client. By doing this, the router will synchronize its clock with a valid and reachable NTP server address every time it boots up or at regular intervals thereafter. This automated synchronization ensures that the clock remains accurate without requiring manual intervention. Utilizing an NTP server is a robust solution because it not only corrects the time after a reboot but also continually adjusts the clock to account for any potential drift that might occur over time. This eliminates reliance on hardware components like a CMOS battery and avoids errors or inconsistencies that can arise from manual settings. While other methods like writing a script or manually setting the clock can temporarily alleviate the issue, they do not provide the same level of automation and reliability offered by an NTP client configuration. Manually setting the clock, for example, requires constant human effort and may be forgotten after reboots. Thus, using an NTP client is the most effective and efficient solution for maintaining accurate time on the RouterBoard1000 after a reboot.

3. If WPA2 Pre Shared Key (PSK) is enabled on an access point, what is needed for clients to connect?

- A. Different PSK for each client**
- B. Same PSK for all clients**
- C. No PSK is required**
- D. WPA1 is preferred**

When WPA2 Pre Shared Key (PSK) is enabled on an access point, all clients connecting to that access point need to use the same pre-shared key (PSK) to establish a connection successfully. The PSK functions as a shared secret between the access point and the clients, ensuring that only those who know the key can access the wireless network. Using the same PSK for all clients simplifies the setup and management of the wireless network, as there is no need to configure unique keys for each device. Instead, all devices connect using a single, predefined key, making it easier for users to connect without complex authentication processes. This method of authentication is particularly useful in environments like home networks or small offices, where many devices need to connect to the same network access point. It is also important to ensure that the PSK is strong enough to prevent unauthorized access, as the security of the network heavily relies on this shared key.

4. Which of the following statements about MikroTik RouterOS backup files is true?

- A. Usernames and passwords are saved in the backup**
- B. Files from /files are included in the backup**
- C. The entire router configuration is saved**
- D. All of the above**

MikroTik RouterOS backup files are comprehensive snapshots of the router's configuration and certain elements associated with it. When a backup file is created, it captures the entire router configuration, which includes all settings and configurations, making it crucial for restoring the router to its previous state if necessary. This encompasses all aspects of the router's setup. Additionally, backups include saved usernames and passwords, which are important for accessing the router after a restoration. This ensures that user access settings are preserved and allows for a seamless transition back to the operational state without having to reconfigure access credentials. In terms of files, the backup process does not include the specific files located in the /files directory. However, this option may mislead as it can imply that all aspects of the router's environment are included in a backup, whereas only the configuration and settings are backed up correctly. Therefore, the statement that all elements are captured in the backup is reflected in the first and third statements, emphasizing the effectiveness and completeness of MikroTik RouterOS backup functionality. Thus, recognizing that the correct answer encompasses these aspects leads to the choice of "All of the above," even in light of the nuanced understanding of each component.

5. Which feature allows MikroTik to monitor and manage network traffic in real-time?

- A. Packet Sniffer**
- B. Bandwidth Test**
- C. Netwatch**
- D. Traffic Flow**

Traffic Flow is a feature that enables MikroTik routers to monitor and manage network traffic in real-time. This functionality allows for the collection and analysis of traffic data on a network, providing insights into how bandwidth is being utilized across different segments. By using protocols like NetFlow or sFlow, Traffic Flow can give network administrators detailed metrics about traffic patterns and the behavior of applications and users. Utilizing Traffic Flow helps in identifying issues such as bandwidth hogs, unusual spikes in traffic, and potential bottlenecks, which are critical for maintaining optimal network performance. This real-time monitoring capability plays a vital role in proactive network management, allowing administrators to respond quickly to any changes or problems that may arise. The other options, while useful in their own contexts, do not provide real-time traffic monitoring and management to the same degree. For instance, Packet Sniffer is useful for examining specific packets on the network, but it does not give the comprehensive overview of traffic flows. Bandwidth Test is primarily a tool for measuring throughput between two endpoints, but it is not focused on ongoing traffic analysis. Netwatch is a tool designed to monitor network connectivity to specific addresses, rather than providing an overview of all traffic on the network.

6. What functionality does the MikroTik RouterOS provide for VPN connections?

- A. Dynamic DNS configuration**
- B. Multi-protocol support**
- C. Only PPTP support**
- D. No support for encryption**

The selected answer highlights a crucial feature of MikroTik RouterOS, which is its multi-protocol support for VPN connections. This means that RouterOS is capable of handling various VPN protocols, including but not limited to PPTP, L2TP, SSTP, OpenVPN, and IPsec. This versatility allows users to choose the most suitable protocol based on their specific needs and security requirements. For instance, while PPTP is user-friendly and easy to set up, other protocols like OpenVPN or IPsec might offer enhanced security features, which is essential for sensitive data transmissions. By supporting multiple protocols, MikroTik RouterOS enables a more flexible network architecture, catering to different scenarios and providing users with options for secure remote access. This multi-protocol capability is significant because it ensures that users can connect across different types of networks and devices, enhancing interoperability and scalability within their network solutions.

7. In order to use dynamic keys in your wireless security profile, what is true about the DHCP server?

A. True

B. False

To use dynamic keys in a wireless security profile, it's important to understand the relationship between wireless security mechanisms and DHCP. Dynamic keys, such as those utilized in WPA and WPA2 protocols, depend on the establishment of a secure session between the client and the access point. This process is typically facilitated by protocols like EAP (Extensible Authentication Protocol). The function of a DHCP server is to assign IP addresses to devices within a network, which is a separate process from the encryption of data that requires dynamic keys. While the DHCP server can be crucial for network connectivity, it does not play a role in the actual generation or distribution of dynamic encryption keys used in securing wireless communications. Therefore, regarding the relationship between the use of dynamic keys in a wireless security profile and the DHCP server's functionality, it is indeed true that the DHCP server does not need to be specifically configured to support dynamic keys, making the statement false.

8. Is it possible to create an encrypted PPPoE tunnel in RouterOS?

A. True

B. False

Creating an encrypted PPPoE (Point-to-Point Protocol over Ethernet) tunnel in RouterOS is indeed possible. In MikroTik's RouterOS, the implementation of security features allows for the establishment of encrypted tunnels, including for PPPoE connections. Although PPPoE does not inherently support encryption natively, you can use protocols such as MPPE (Microsoft Point-to-Point Encryption) which can be configured alongside PPPoE to ensure that data transmitted through the tunnel is encrypted. The support for encryption in PPPoE is facilitated by configuring PPP settings within RouterOS, where you can set up the proper security protocols to effectively create an encrypted connection. Therefore, stating that it's possible to create an encrypted PPPoE tunnel is correct, as MikroTik RouterOS provides the necessary tools and functionalities to implement this feature efficiently. This capability is particularly important for users who require additional layers of security for their communications over untrusted networks, aligning with best practices in network security. Users need to ensure that appropriate configurations are applied to leverage the encryption features, enhancing the overall security of the PPPoE tunnel.

9. Can an IP address pool include addresses from multiple subnets?

- A. Yes, it's allowed**
- B. No, it must be one subnet**
- C. Only static addresses can cross subnets**
- D. Only in a multi-site network**

An IP address pool can include addresses from multiple subnets, as this feature allows for greater flexibility in managing IP addresses across different subnets within a network. This is particularly useful in environments where devices from different subnets need to be assigned IP addresses dynamically, such as in a DHCP configuration. In contexts where multiple subnets are used, you might have different segments of your network that still require access to a common resource or a unified address management strategy. By pooling addresses from various subnets, you can ensure that IP address allocation is efficient and simplified, even if the devices are physically located across different networks. The ability to draw from multiple subnets is particularly advantageous in larger networks or enterprise configurations where static definitions might limit capabilities, hence maximizing utilization of the available address space.

10. Which command will reset the MikroTik router configuration to default settings?

- A. /system reset-configuration**
- B. /interface reset**
- C. /ip reset**
- D. /configure reset**

The command that resets the MikroTik router configuration to its default settings is found in the system management section, and it is specifically designed for this purpose. Using the command ``/system reset-configuration`` effectively clears all user-defined configurations and reverts the router back to the factory settings. This is particularly useful for troubleshooting or when a fresh start is needed after extensive configuration changes. Once executed, this command typically offers options to keep certain configurations, such as user accounts or scripts, but the default behavior will wipe the configuration clean. This command ensures that the router starts with the baseline settings that it had upon initial installation, allowing for a clean slate to configure the device as needed. The other commands listed do not serve the purpose of resetting the entire configuration to default settings. For example, commands targeting specific elements like interfaces or IP settings would not provide the comprehensive reset that the ``/system reset-configuration`` command accomplishes.

Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

<https://mikrotik.examzify.com>

We wish you the very best on your exam journey. You've got this!

SAMPLE