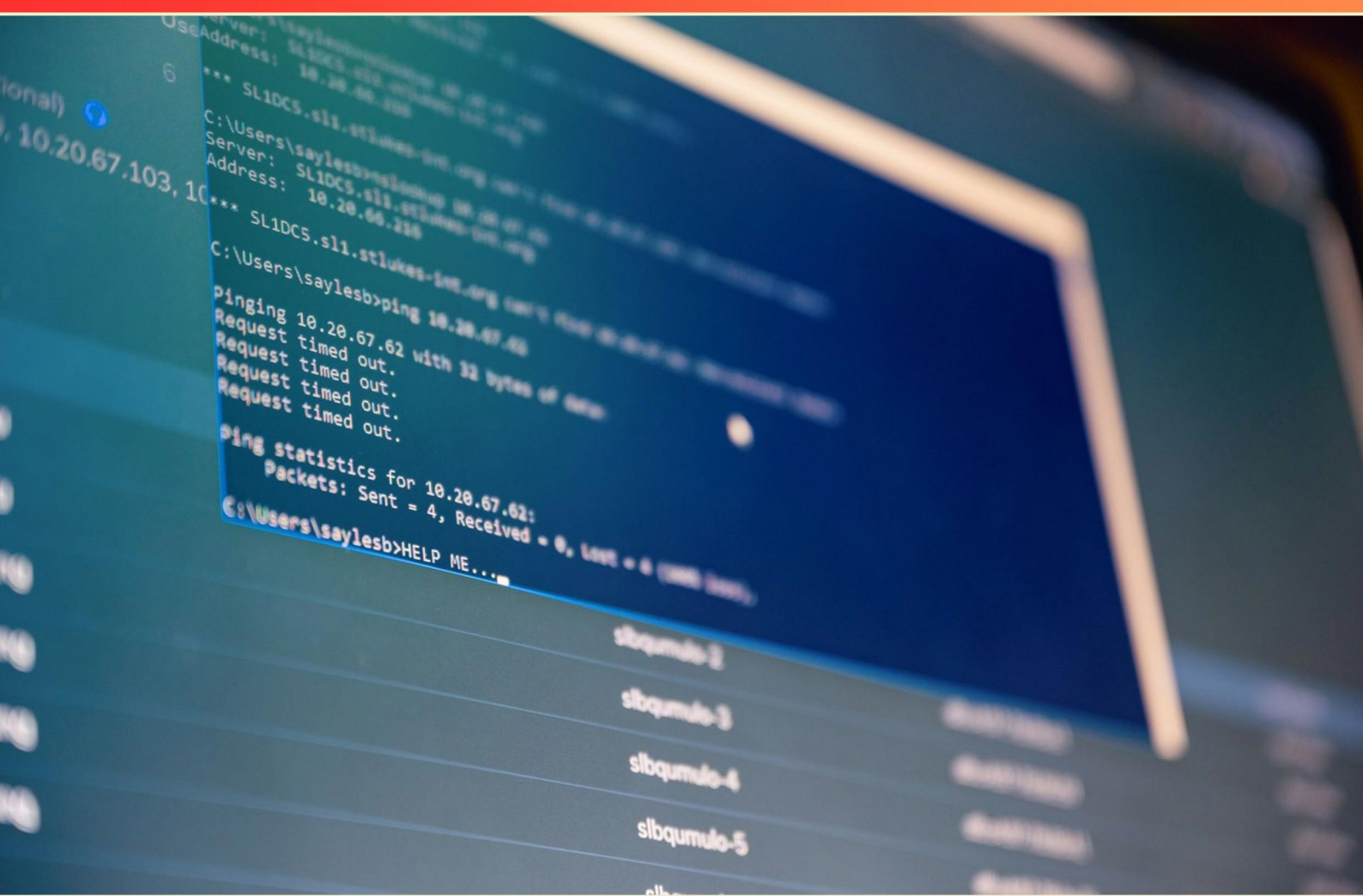


HANDS-ON SERVER POST-ASSESSMENT PRACTICE TEST (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

VISIT US ONLINE FOR
THE FULL VERSION STUDY GUIDE

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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

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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

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- 1. What is the purpose of system logging on a server?**
 - A. To enhance network speed
 - B. To record system events and errors for monitoring and troubleshooting
 - C. To manage user authentication
 - D. To install software applications
- 2. What does scalability in cloud computing refer to?**
 - A. Ability to increase or decrease resources as needed
 - B. Capability to handle multiple servers simultaneously
 - C. Possibility of lower prices at scale
 - D. Environment protection through reduced consumption
- 3. What is a common use of SSH besides secure shell access?**
 - A. File transfer
 - B. Remote desktop access
 - C. Database management
 - D. Network analysis
- 4. Does configuring fault-tolerant RAID volumes eliminate the need for backups?**
 - A. Yes, completely
 - B. No, backups are still needed
 - C. Only with specific RAID levels
 - D. Yes, but only for certain data types
- 5. Which of the following considerations is important for managing server roles in Windows Server 2019?**
 - A. Server roles can only be modified through the GUI.
 - B. Remote access to server roles is not possible from Windows client machines.
 - C. Server Manager can manage remote servers as well.
 - D. All server roles require local installation.

- 6. What is the primary function of a database server?**
- A. To host website files
 - B. To provide database services to other applications or servers
 - C. To manage user authentication
 - D. To handle web traffic
- 7. Which command can you use in Linux to change file permissions?**
- A. ls
 - B. chmod
 - C. permissions
 - D. change-mode
- 8. In a Hyper-V setup, what can be a possible requirement of the physical network interface?**
- A. It must be configured to use both IPv4 and IPv6.
 - B. It should not be configured to use IP.
 - C. It must have a static IP assigned.
 - D. It is required to support multiple VLAN configurations.
- 9. What does Ksenia create on her Windows 2019 server after setting up the DNS Server role?**
- A. The stub zone cannot access a primary zone on another DNS server.
 - B. The stub zone will function as the authoritative zone.
 - C. The stub zone will contain NS records.
 - D. The stub zone cannot contain host records.
- 10. What is a major benefit of using a Cloud-based server?**
- A. Increased physical security
 - B. Unlimited storage capabilities
 - C. Scalability and cost-effectiveness
 - D. More complex management needs

Answers

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

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Explanations

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1. What is the purpose of system logging on a server?

- A. To enhance network speed
- B. To record system events and errors for monitoring and troubleshooting**
- C. To manage user authentication
- D. To install software applications

The purpose of system logging on a server is to record system events and errors for monitoring and troubleshooting. This process is crucial for maintaining the health and performance of a server because it provides a detailed account of what is happening within the system, allowing administrators to track various activities, identify issues, and respond to anomalies. Proper logging can capture security incidents, system failures, application errors, and more, thus facilitating analysis and informed decision-making. This capability is fundamental for diagnosing problems, as logs can reveal patterns or specific errors that signify underlying issues, enabling proactive management of the server environment. By utilizing the information captured in logs, system administrators can enhance their ability to maintain server stability and security, ensuring that operations run smoothly and efficiently.

2. What does scalability in cloud computing refer to?

- A. Ability to increase or decrease resources as needed**
- B. Capability to handle multiple servers simultaneously
- C. Possibility of lower prices at scale
- D. Environment protection through reduced consumption

Scalability in cloud computing primarily refers to the ability to increase or decrease resources as needed. This flexibility is a fundamental characteristic of cloud services, allowing businesses to adjust their computing power, storage, or bandwidth based on current demand. For instance, during peak usage times, a company might need to scale up its resources to ensure optimal performance. Conversely, during periods of low demand, it can scale down to save costs. This on-demand resource management is one of the key advantages of cloud computing, enabling organizations to efficiently manage their workloads without upfront investment in physical infrastructure. The other options touch on important aspects of cloud computing but do not define scalability itself. For instance, handling multiple servers simultaneously relates more to the overall architecture and resource management capabilities of a cloud solution rather than scalability specifically. Similarly, the possibility of lower prices at scale refers to cost-effectiveness that can be achieved with increased usage but is not an intrinsic definition of scalability. Lastly, environmental protection through reduced consumption, while a benefit that can arise from efficient cloud usage, does not directly define scalability in the context of adjusting resources.

3. What is a common use of SSH besides secure shell access?

- A. File transfer**
- B. Remote desktop access
- C. Database management
- D. Network analysis

Using SSH for file transfer is a common practice due to its secure nature. SSH, or Secure Shell, facilitates an encrypted connection between a client and server, ensuring that data sent over the network remains confidential and protected from eavesdropping. This capability is harnessed by various file transfer protocols such as SFTP (SSH File Transfer Protocol) and SCP (Secure Copy Protocol), which rely on SSH to securely transfer files over insecure networks. In addition to secure shell access, SSH's ability to encrypt data makes it a preferred method for transferring sensitive documents, backups, and other data securely between systems. This significantly reduces the risks associated with unencrypted file transfer methods, which can leave data vulnerable to interception. While other options like remote desktop access, database management, and network analysis have their security protocols in place, they typically do not utilize SSH as their primary method of operation, making file transfer via SSH distinct in its commonality and utility.

4. Does configuring fault-tolerant RAID volumes eliminate the need for backups?

- A. Yes, completely
- B. No, backups are still needed**
- C. Only with specific RAID levels
- D. Yes, but only for certain data types

Configuring fault-tolerant RAID volumes does not eliminate the need for backups because RAID technology primarily focuses on providing data redundancy and availability in case of hardware failures. While certain RAID levels can protect against disk failures (for example, RAID 1, RAID 5, or RAID 6), they do not safeguard against other types of data loss. For instance, RAID cannot protect against issues such as accidental deletion, data corruption due to software malfunctions, file system errors, or catastrophic events like natural disasters. In such cases, backups are an essential safeguard to ensure data recovery. RAID provides availability and redundancy but does not serve as a substitute for a comprehensive backup strategy that includes regular, off-site, or cloud-based backups. Therefore, even in a RAID setup, maintaining a robust backup procedure is vital for overall data integrity and recovery.

5. Which of the following considerations is important for managing server roles in Windows Server 2019?

- A. Server roles can only be modified through the GUI.
- B. Remote access to server roles is not possible from Windows client machines.
- C. Server Manager can manage remote servers as well.**
- D. All server roles require local installation.

The correct choice highlights a key feature of Windows Server 2019, which is the capability of Server Manager to manage remote servers. This is significant for network administrators as it allows for centralized management of multiple servers from a single interface. By using Server Manager, administrators can monitor and configure roles and features across different servers, streamlining their workflow and reducing the time spent switching between machines. Utilizing remote management also enhances efficiency, especially in large environments where physical access to servers may not be practical. Administrators can perform tasks, apply updates, and manage configurations without having to be on site. The other considerations presented do not accurately depict the capabilities and flexibility of server management in Windows Server 2019. The need for server roles to be modified strictly via the GUI is not true as PowerShell provides a powerful command-line alternative for such tasks. The statement regarding remote access from Windows client machines is misleading; management tools can indeed be accessed remotely. Lastly, not all server roles necessitate local installation, as roles can often be managed or installed remotely. This reinforces why the ability to manage remote servers through Server Manager is vital in modern server administration.

6. What is the primary function of a database server?

- A. To host website files
- B. To provide database services to other applications or servers**
- C. To manage user authentication
- D. To handle web traffic

The primary function of a database server is to provide database services to other applications or servers. A database server is specifically designed to store, retrieve, and manage data in a structured format using a database management system (DBMS). It enables multiple clients (applications or services) to access and manipulate the data concurrently, ensuring that transactions are executed properly and data integrity is maintained. This functionality supports the operational needs of various applications that rely on data, such as web applications, reporting tools, and data analysis programs. By centralizing data management, database servers improve efficiency, scalability, and security in data handling, making them a critical component of modern IT infrastructure. Other options do not accurately reflect the primary role of a database server. For instance, hosting website files pertains to web servers, while managing user authentication is typically a function of authentication servers or services. Handling web traffic relates to load balancers or web servers, which manage user requests and direct them to the appropriate resources. Therefore, the choice of providing database services encompasses the fundamental role of a database server in an IT ecosystem.

7. Which command can you use in Linux to change file permissions?

- A. ls
- B. chmod**
- C. permissions
- D. change-mode

The command used in Linux to change file permissions is "chmod." This command stands for "change mode," which reflects its functionality of modifying the permissions associated with files or directories. With chmod, you can define who can read, write, or execute a file by specifying permissions for the owner, group, and others. For example, using `chmod 755 filename` assigns read, write, and execute permissions to the owner, and read and execute permissions to the group and others. This versatility makes chmod a foundational tool for managing file access within Linux systems and is essential for maintaining security and proper functionality. The other options do not pertain to changing file permissions. "ls" is used for listing files and directories, "permissions" is not a valid command but rather a general term describing a file's access controls, and "change-mode" is not an existing command in Linux; it is a conceptual description of what chmod does. Each of these does not offer the capability to modify file permissions directly like chmod does.

8. In a Hyper-V setup, what can be a possible requirement of the physical network interface?

- A. It must be configured to use both IPv4 and IPv6.
- B. It should not be configured to use IP.**
- C. It must have a static IP assigned.
- D. It is required to support multiple VLAN configurations.

In a Hyper-V setup, the physical network interface does not need to be configured with an IP address for it to function properly with virtual machines. This is because the virtual switches created in Hyper-V can operate at Layer 2 of the OSI model, which handles MAC addresses rather than IP addresses. As a result, it is indeed permissible for the physical network interface to remain unconfigured with an IP address. This allows for flexibility in network configurations and can be particularly useful in certain virtualization scenarios, such as isolated testing environments or when using virtual networking setups that do not require direct access to an external network. On the other hand, the requirements outlined in the other options may not necessarily apply. Having both IPv4 and IPv6 configured may be useful in certain environments, but it is not a universal requirement for Hyper-V to function. Assigning a static IP can be beneficial, especially for servers requiring consistent management access, but it is not a strict requirement for the physical interface in this context. The ability to support multiple VLAN configurations is relevant for more complex networking setups but is not a requisite feature for all Hyper-V implementations.

9. What does Ksenia create on her Windows 2019 server after setting up the DNS Server role?

- A. The stub zone cannot access a primary zone on another DNS server.
- B. The stub zone will function as the authoritative zone.
- C. The stub zone will contain NS records.**
- D. The stub zone cannot contain host records.

The correct choice highlights that the stub zone will contain NS records. A stub zone is a partial replica of a primary zone that includes only the necessary resource records, such as Name Server (NS) records, that help the DNS server locate the authoritative DNS servers for the zone. Essentially, it serves as a directory pointer that assists in the resolution of names from the primary zone without transferring all the data that a full zone would entail. The function of a stub zone is to simplify name resolution across different DNS zones by ensuring that DNS servers can efficiently direct queries to the authoritative servers, which improves the response time and management of DNS traffic. This characteristic is fundamental to the role of stub zones in a DNS architecture, making NS records a crucial component. In contrast, while the stub zone does interact with other types of DNS configurations, details like its relationship or inability to access a primary zone or contain host records pertain to different DNS concepts that do not clarify its function as a repository of NS records. Recognizing these distinctions helps in understanding how stub zones fit into broader DNS strategies.

10. What is a major benefit of using a Cloud-based server?

- A. Increased physical security
- B. Unlimited storage capabilities
- C. Scalability and cost-effectiveness**
- D. More complex management needs

The choice highlighting scalability and cost-effectiveness is a major benefit of using a cloud-based server. Cloud services allow businesses to easily adjust their computing resources based on demand. This means that during periods of high traffic or increased workload, companies can quickly scale up their resources without the need for significant upfront investment in physical hardware. Conversely, during lower demand periods, they can scale down, which helps optimize costs. Additionally, many cloud providers have flexible pricing plans that allow users to pay for only what they use. This model not only reduces wasteful expenditure on unused resources but also ensures that organizations can align their IT spending with actual business needs, which can greatly contribute to overall financial efficiency. In contrast, aspects such as physical security might not vastly improve with cloud usage, as it often shifts responsibility to the service provider, and while many advanced solutions have ample storage capabilities, they are not necessarily unlimited and can come at a higher cost as more storage becomes required. Furthermore, the management of cloud resources can be simplified due to the use of user-friendly interfaces and automation tools, making it less complex compared to traditional on-premises systems.

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://handsonserver.examzify.com>

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

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