

# **MICROSOFT INSTALLATION, STORAGE, AND COMPUTE WITH WINDOWS SERVER 2016 (70-740) PRACTICE TEST (SAMPLE) STUDY GUIDE**



## **SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS**

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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. Which Windows PowerShell command is used to start the WebServer container?**
  - A. Start-Container -Name "WebServer"
  - B. Start-Container -Name WebServer
  - C. Start-Container -Name "Web\_Server"
  - D. Start-Container -Name Webserver
- 2. Which of the following is a device that functions at layer 2 of the OSI reference model, like its physical counterpart?**
  - A. Router
  - B. Virtual switch
  - C. Hyper-V host
  - D. NIC team
- 3. Which cluster operation mode is designed to prevent the network switch from flooding with traffic?**
  - A. Unicast
  - B. Multicast
  - C. Broadcast
  - D. IGMP multicast
- 4. How many physical Ethernet adapters can SET utilize?**
  - A. 4
  - B. 6
  - C. 8
  - D. 12
- 5. In Hyper-V terminology, which type of virtual switch provides connections to networks outside the Hyper-V host?**
  - A. External network switch
  - B. Internal virtual switch
  - C. Private virtual switch
  - D. External switch

- 6. Which collection of open source tools, solutions, and cloud-based services is used for creating and managing containers?**
- A. Kubernetes
  - B. Vagrant
  - C. LXD
  - D. Docker
- 7. Which type of backup allows an administrator to recover the server to a Windows Recovery Environment?**
- A. System Reserved
  - B. Windows Recovery Disk
  - C. Full Backup
  - D. System State
- 8. Which of the following is a Windows containers networking mode?**
- A. NAT
  - B. Transparent
  - C. L2 Tunnel
  - D. L2 Bridge
- 9. Which Windows Defender scan checks only specified locations?**
- A. Full scan
  - B. Real-time scan
  - C. Custom scan
  - D. Quick scan
- 10. In which NLB cluster operation mode is the MAC address of every node's network adapter replaced with a single shared MAC address?**
- A. Multicast
  - B. Broadcast
  - C. IGMP multicast
  - D. Unicast

## **Answers**

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

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## **Explanations**

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**1. Which Windows PowerShell command is used to start the WebServer container?**

- A. Start-Container -Name "WebServer"**
- B. Start-Container -Name WebServer
- C. Start-Container -Name "Web\_Server"
- D. Start-Container -Name Webserver

Starting a Windows Server container with PowerShell uses the Start-Container cmdlet and specifies which container to start with the -Name parameter. The container is named WebServer, so passing that value as a string is the correct approach. Using quotes around the name makes it an explicit string literal, which helps avoid any ambiguity or misinterpretation of the value and matches typical PowerShell usage. This exact naming ensures you target the intended container. The other forms change the string to a different name (Web\_Server), omit the quotes, or alter capitalization (Webserver), which would target a different container or fail if that exact container doesn't exist.

**2. Which of the following is a device that functions at layer 2 of the OSI reference model, like its physical counterpart?**

- A. Router
- B. Virtual switch**
- C. Hyper-V host
- D. NIC team

Layer 2 devices switch Ethernet frames using MAC addresses, handling traffic between endpoints without involving IP routing. A virtual switch inside a Hyper-V host provides the same switching function for virtual machines as a physical switch does for physical NICs. It forwards frames between VM NICs and can connect to the external network through uplinks, all at the data link layer. A router operates at Layer 3, routing packets based on IP addresses rather than MAC addresses. A Hyper-V host is the computing platform that runs virtual machines, not a dedicated Layer 2 switch. NIC teaming is a method to aggregate multiple NICs for throughput or redundancy, but it's not a separate switch-like device handling frame switching between endpoints.

**3. Which cluster operation mode is designed to prevent the network switch from flooding with traffic?**

- A. Unicast
- B. Multicast
- C. Broadcast
- D. IGMP multicast**

The key idea is how multicast traffic is delivered efficiently in a switched network. By default, switches can't tell which hosts want to receive a multicast stream, so they may flood that traffic to every port in the VLAN. IGMP (Internet Group Management Protocol) provides a mechanism for hosts to join or leave multicast groups. When a switch uses IGMP snooping, it listens to these IGMP reports and builds a per-group map of which ports have listeners. With this information, the switch forwards multicast frames only to the ports that have members of the group, not to every port. This targeted delivery prevents unnecessary flooding and reduces unnecessary load on the network. Other options don't provide this selective delivery: unicast is a one-to-one delivery, multicast without filtering can flood, and broadcast goes to all ports indiscriminately. Using IGMP (via snooping) is the mechanism that minimizes flood for multicast traffic.

#### 4. How many physical Ethernet adapters can SET utilize?

- A. 4
- B. 6
- C. 8**
- D. 12

*Switch Embedded Teaming is designed to combine multiple physical NICs to provide high-throughput, virtual-switch traffic for Hyper-V. The implementation sets a fixed limit on how many physical Ethernet adapters can be part of a single SET, and that limit is eight. This cap keeps traffic distribution efficient and the configuration manageable while still delivering substantial bandwidth by aggregating several adapters. So, SET can utilize up to eight physical Ethernet adapters.*

#### 5. In Hyper-V terminology, which type of virtual switch provides connections to networks outside the Hyper-V host?

- A. External network switch
- B. Internal virtual switch
- C. Private virtual switch
- D. External switch**

*Connecting to networks beyond the Hyper-V server is achieved by an External virtual switch. It binds to a physical network adapter on the host, so every VM connected to that switch appears on the same physical LAN as the host. This setup lets VMs access external resources, obtain addresses from the external DHCP server, and participate in VLANs if configured. Internal virtual switches only link VMs to the host, with no outside network access, while Private virtual switches keep VM traffic isolated to VMs themselves. So the External switch is the one that provides connectivity to networks outside the Hyper-V host.*

#### 6. Which collection of open source tools, solutions, and cloud-based services is used for creating and managing containers?

- A. Kubernetes
- B. Vagrant
- C. LXD
- D. Docker**

*Containers are managed best when you use a single, cohesive platform that bundles the runtime, tooling to build and run containers, and cloud-based services to share and deploy images. Docker provides that complete ecosystem: the Engine runs containers, Compose defines multi-container applications, registries like Docker Hub store and distribute images, and cloud services extend these capabilities for hosting and deploying containers. This broad, open-source collection—ranging from runtimes to orchestration-adjacent tools and cloud offerings—fits the description of a unified set used for creating and managing containers. By contrast, Kubernetes focuses on orchestrating many containers, Vagrant targets virtual machines, and LXD is more about system containers on Linux, rather than a broad container-tooling and cloud-service ecosystem. So the best answer is Docker.*

**7. Which type of backup allows an administrator to recover the server to a Windows Recovery Environment?**

- A. System Reserved**
- B. Windows Recovery Disk
- C. Full Backup
- D. System State

WinRE is stored on the System Reserved partition, which holds the boot manager and the Windows Recovery Environment image. Backing up that specific partition captures the boot environment itself, including the WinRE components, so you can restore it later and boot into WinRE to repair or recover the server. In other words, to be able to recover the server using the Windows Recovery Environment after a restore, you need a backup of the System Reserved partition. The Windows Recovery Disk is external media, not a backup type; a full backup may include that partition if you select it, but the most direct way to ensure WinRE is preserved and recoverable is to back up the System Reserved partition. System State backs up critical boot configuration data, but not the WinRE image itself.

**8. Which of the following is a Windows containers networking mode?**

- A. NAT
- B. Transparent
- C. L2 Tunnel**
- D. L2 Bridge

Windows containers can be connected to networks in several ways. L2 Tunnel provides Layer 2 connectivity across multiple container hosts by encapsulating Ethernet frames and carrying them over a tunnel, creating an overlay network. This lets containers on different physical machines behave as if they're on the same Ethernet network, preserving broadcast domains and enabling features that rely on L2 adjacency. NAT mode routes container traffic through the host and uses network address translation, so containers don't appear on the external network's Layer 2 as individual hosts. Transparent and L2 Bridge are other bridging-style options that connect containers to the external network via the host's networking stack, but they don't offer the same cross-host Layer 2 overlay as L2 Tunnel. For true cross-host Layer 2 connectivity, L2 Tunnel is the appropriate networking mode.

**9. Which Windows Defender scan checks only specified locations?**

- A. Full scan
- B. Real-time scan
- C. Custom scan**
- D. Quick scan

Targeted scanning lets you specify exact locations to scan. In Windows Defender, a Custom scan is designed to scan only the folders or drives you choose, letting you select specific paths such as a particular directory, USB drive, or other locations. This makes it ideal when you want to inspect a known area or reduce scan time. Other scan types are not targeted: a full scan covers every file on the system, a quick scan checks common areas and is faster but not location-specific, and a real-time scan provides ongoing protection rather than a manual, location-specific check. So the scan that checks only specified locations is the Custom scan.

**10. In which NLB cluster operation mode is the MAC address of every node's network adapter replaced with a single shared MAC address?**

- A. Multicast
- B. Broadcast
- C. IGMP multicast
- D. Unicast**

*In this scenario, the network load balancer presents a single destination at the data-link layer. In Unicast mode, the virtual MAC address used by the NLB is shared across all cluster members, so each node's network adapter presents the same MAC address on the wire. That means the MAC address of every node's NIC is replaced by one common shared MAC, and all traffic destined for the cluster IP uses that single address while the NLB distributes the load among the nodes. This is precisely what the question describes. Multicast mode uses a multicast MAC for the virtual NIC, not a single shared MAC across all nodes' NICs. IGMP multicast involves membership control for multicast traffic but doesn't replace every node's NIC MAC with one shared address. Broadcast isn't a defined NLB operation mode for this behavior.*

## 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](mailto:hello@examzify.com).

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

<https://microsoft70740.examzify.com>

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

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