

VEEAM CERTIFIED ENGINEER (VMCE) PRACTICE EXAM (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. Does Veeam support tapes?

- A. Yes
- B. No
- C. Only with external plugins
- D. Tapes are not supported at all

2. What is a media set in Veeam terminology?

- A. Separate sets of tapes with data continuously written to them, used to split the archive into distinct groups.
- B. A single fixed group of tapes used for all backups.
- C. A schedule for when tapes are rotated.
- D. A virtual tape library driver.

3. Which guest OS file system is required for excluding deleted blocks?

- A. FAT32
- B. exFAT
- C. Microsoft NTFS
- D. ext4

4. Which PowerShell cmdlet resets CBT tracking data when it becomes corrupt?

- A. Reset-HvVmChangeTracking PowerShell cmdlet
- B. Clear-CbtData
- C. Restart-CbtService
- D. Update-VmCbtSettings

5. When are new compression settings applied?

- A. Immediately during the change
- B. At the next scheduled downtime
- C. After a reboot of the Veeam server
- D. At the next run of the job

- 6. What is automatic intelligent load balancing?**
- A. Fixed assignment of proxies per VM
 - B. Manual selection by admin
 - C. The backup component automatically selects the best proxy based on connectivity to VM data and current load
 - D. Proxy selection based on alphabetical order
- 7. In forward incremental backups, which file extension denotes incremental restore points?**
- A. .vib
 - B. .vrb
 - C. .vbk
 - D. .vbm
- 8. What does SureBackup use to publish a VM in the isolated environment?**
- A. VM Replication
 - B. Tape-based restore
 - C. Storage snapshot cloning
 - D. Instant VM Recovery technology
- 9. What is the primary function of a gateway server in a Veeam backup infrastructure?**
- A. It stores daily backups
 - B. It bridges the backup server and dedup storage system
 - C. It monitors backup jobs
 - D. It handles authentication
- 10. Which component is responsible for controlling job scheduling and resource allocation?**
- A. Veeam Backup Server
 - B. Veeam Broker Service
 - C. Veeam Guest Catalog Service
 - D. Mount Service

Answers

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

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Explanations

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1. Does Veeam support tapes?

- A. Yes**
- B. No
- C. Only with external plugins
- D. Tapes are not supported at all

Veeam Backup & Replication includes native support for physical tape libraries. You can connect a tape library through a Tape Server, set up a Tape Library and media, and create Tape Jobs that move data from your backup repositories to tapes for long-term retention and air-gapped storage. You can later restore from tape by cataloging the media and performing a restore from the tape data. This makes tape a valid option for archiving and off-site retention, without needing external plugins.

2. What is a media set in Veeam terminology?

- A. Separate sets of tapes with data continuously written to them, used to split the archive into distinct groups.**
- B. A single fixed group of tapes used for all backups.
- C. A schedule for when tapes are rotated.
- D. A virtual tape library driver.

In Veeam, a media set is a logical group of tapes that are treated as a unit for writing backup data to physical media. This grouping lets you partition the archive into distinct groups, so you can manage retention, rotation, and restoration more effectively. By assigning backups to separate media sets, you can keep different data families (for example, production vs. long-term archive) separate and easier to catalog. It's not meant to be a single fixed group for all backups, nor is it a rotation schedule or a VTL driver.

3. Which guest OS file system is required for excluding deleted blocks?

- A. FAT32
- B. exFAT
- C. Microsoft NTFS**
- D. ext4

Excluding deleted blocks in this context relies on a change-tracking mechanism built into the guest OS file system. Windows NTFS provides the USN Journal, a change journal that records file and block-level modifications, including deletions. Veeam uses that journal to identify which blocks were deleted since the last backup so those blocks can be omitted from the next incremental pass, making backups smaller and faster. FAT32 and exFAT do not implement this kind of change journal, so they cannot support this optimization. ext4 is a Linux file system with its own journaling, but the specific ability to exclude deleted blocks in this Windows-oriented change-tracking workflow is tied to NTFS and its USN Journal. Thus NTFS is the required file system.

4. Which PowerShell cmdlet resets CBT tracking data when it becomes corrupt?

- A. Reset-HvVmChangeTracking PowerShell cmdlet
- B. Clear-CbtData
- C. Restart-CbtService
- D. Update-VmCbtSettings

When CBT tracking data becomes corrupted, the way to fix it is to reset the tracking state for the affected VM. `Reset-HvVmChangeTracking` clears the current Hyper-V Change Tracking data for a virtual machine and prompts Hyper-V to rebuild the CBT state on the next backup, giving you a clean baseline and accurate detection of changed blocks going forward. The other options don't perform this reset: they either don't exist as a CBT-reset command, would only restart a service without clearing the CBT state, or would change configuration rather than reinitializing the tracked data.

5. When are new compression settings applied?

- A. Immediately during the change
- B. At the next scheduled downtime
- C. After a reboot of the Veeam server
- D. At the next run of the job

Compression settings are part of a backup job's configuration, so they're used when the job starts its next run. When you update the setting, Veeam saves it to the job, and the next time that job begins, it uses the new compression level. If a backup is already running, it continues with the settings it started with, and the new setting won't affect that in progress run. No reboot or downtime is required for the change. In short, the new compression level takes effect at the next run of that job.

6. What is automatic intelligent load balancing?

- A. Fixed assignment of proxies per VM
- B. Manual selection by admin
- C. The backup component automatically selects the best proxy based on connectivity to VM data and current load
- D. Proxy selection based on alphabetical order

Automatic intelligent load balancing means the system distributes backup work across proxies without human intervention by choosing the most suitable proxy for each job in real time. It looks at how easily a proxy can access the VM's data (data locality and connectivity) and how busy the proxy is (current load), then routes the job to the best option. This dynamic selection prevents any single proxy from becoming a bottleneck and helps maximize throughput and efficiency across the entire backup infrastructure. The other approaches are static or arbitrary: fixing a proxy to a VM ties you to a single path that may not cope with changing conditions; manual admin selection requires constant, hands-on tuning and cannot adapt quickly; choosing proxies by alphabetical order has no basis in performance or data access quality.

7. In forward incremental backups, which file extension denotes incremental restore points?

- A. .vib**
- B. .vrb
- C. .vbk
- D. .vbm

In a forward incremental backup, incremental restore points are stored as files with the .vib extension. After the initial full backup (which uses a .vbk file), each subsequent backup captures only the changes since the last one and is saved as a .vib. When restoring, Veeam starts from the base full backup (.vbk) and applies the .vib files in sequence to reach the desired restore point. The other extensions serve different roles: .vrb is used for reverse incremental backups, .vbm is metadata, and .vbk can be a base full or a synthetic full, but the incremental restore points themselves are .vib.

8. What does SureBackup use to publish a VM in the isolated environment?

- A. VM Replication
- B. Tape-based restore
- C. Storage snapshot cloning
- D. Instant VM Recovery technology**

SureBackup publishes a VM in the isolated environment by booting it directly from the backup using Instant VM Recovery. This lets the VM run inside the Virtual Lab from the backup file, with networking isolated from production, so you can verify the backup and test applications without impacting live systems. Other methods described wouldn't provide the same quick, isolated boot from the backup source that SureBackup relies on.

9. What is the primary function of a gateway server in a Veeam backup infrastructure?

- A. It stores daily backups
- B. It bridges the backup server and dedup storage system**
- C. It monitors backup jobs
- D. It handles authentication

In Veeam, the gateway server serves as the bridge that moves data between the backup server and the storage repository (often a deduplicating storage system). It acts as the data mover, handling the transfer of backup data from the orchestrating backup server to the storage subsystem and coordinating the communication with that storage layer. This separation lets the backup server manage jobs and orchestration while the gateway handles the actual data flow, throughput, and protocol interactions with the repository. It isn't primarily responsible for storing backups itself, monitoring jobs, or handling authentication—the gateway's main role is to connect and transfer data to the storage system.

10. Which component is responsible for controlling job scheduling and resource allocation?

- A. Veeam Backup Server**
- B. Veeam Broker Service**
- C. Veeam Guest Catalog Service**
- D. Mount Service**

The Veeam Backup Server acts as the central orchestration engine. It holds the job definitions, builds the execution plan, and manages the job queue, deciding when a job runs and which components (proxies, repositories) will participate. By coordinating these elements, it controls how many tasks execute in parallel and how resources are allocated across the backup infrastructure, ensuring efficient use of compute, network, and storage while enforcing limits and dependencies. The other services handle specialized tasks—Broker Service supports processing workflows, Guest Catalog Service builds and maintains guest OS indexes for fast file restores, and Mount Service manages mounting operations during processing—but they do not govern overall scheduling and resource allocation across the environment.

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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://vmce.examzify.com>

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

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