

AWS (AMAZON WEB SERVICES) CERTIFICATION PRACTICE EXAM (SAMPLE) STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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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 primary function of the Amazon EC2 Container Service?**
 - A. Hosting static websites
 - B. Packaging applications as containers
 - C. Managing virtual machines
 - D. Creating databases
- 2. What is one of the primary benefits of using a cloud-based backup and disaster recovery solution?**
 - A. Limited access to your data
 - B. Higher operational costs
 - C. Increased data retrieval speeds
 - D. Long-term contracts
- 3. What characteristic describes a Relational Database?**
 - A. It supports simple, light designs
 - B. It can easily handle a wide variety of data types
 - C. It allows for complex relationships between tables
 - D. It operates primarily in a cloud-native environment
- 4. What role does an Internet Gateway serve in a VPC?**
 - A. It monitors data packets within the VPC
 - B. It connects your VPC to the outside world
 - C. It encrypts data traffic to enhance security
 - D. It provides analytics on network performance
- 5. What distinguishes a cloud-native database like Amazon DynamoDB?**
 - A. It relies heavily on traditional server architecture
 - B. It requires pre-provisioning of database tables
 - C. It automatically scales for varying workloads
 - D. It is always structured
- 6. What are Amazon Machine Images primarily used for?**
 - A. Creating virtual networks
 - B. Templates of pre-configured EC2 instances
 - C. Monitoring application performance
 - D. Storing long-term data backups

- 7. What do Access Control Lists (ACLs) in S3 typically control?**
- A. Access for users within the same AWS account
 - B. Access for users outside of the AWS account
 - C. Cost management and billing
 - D. Standard retrieval performance
- 8. How does a VPN function in the context of AWS?**
- A. It connects AWS resources to other cloud services
 - B. It establishes a connection between a data center and the VPC
 - C. It provides a direct link to the internet for EC2 instances
 - D. It links different regions within AWS
- 9. Which storage class provides resiliency but at a lower redundancy rate compared to standard storage?**
- A. Standard - IA
 - B. Reduced Redundancy Storage
 - C. One Zone - IA
 - D. Intelligent Tiering
- 10. What is the function of a Route Table in a VPC?**
- A. To add security groups to instances
 - B. To allow specific machines to communicate within the VPC
 - C. To allocate storage for VPC resources
 - D. To manage VPC traffic encryption

Answers

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

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Explanations

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1. What is the primary function of the Amazon EC2 Container Service?

- A. Hosting static websites
- B. Packaging applications as containers**
- C. Managing virtual machines
- D. Creating databases

The primary function of the Amazon EC2 Container Service, now known as Amazon Elastic Container Service (ECS), is to provide a platform for deploying and managing containerized applications. This service enables developers to package their applications in containers, which are lightweight, portable, and can run consistently across various computing environments. By utilizing containers, organizations can achieve a higher level of resource utilization, streamline development processes, and enhance scalability and portability of their applications. ECS supports Docker containers, allowing for easy management of container orchestration and simplifying the deployment process. It integrates well with other AWS services, facilitating seamless application deployment and operations in the cloud. The other options provided do not align with the core functionality of ECS. Hosting static websites falls under services like Amazon S3, managing virtual machines pertains to Amazon EC2, and creating databases is typically handled by Amazon RDS or DynamoDB. Therefore, the focus on packaging applications as containers is the defining characteristic of Amazon ECS.

2. What is one of the primary benefits of using a cloud-based backup and disaster recovery solution?

- A. Limited access to your data
- B. Higher operational costs
- C. Increased data retrieval speeds**
- D. Long-term contracts

One of the primary benefits of using a cloud-based backup and disaster recovery solution is the increased data retrieval speeds. Cloud-based solutions leverage the inherent advantages of cloud computing, such as distributed storage and high-bandwidth internet connections, allowing for faster access to backup data when it is needed. This is particularly important in disaster recovery scenarios where time is critical, and organizations must quickly restore operations and access critical data. In contrast to the other options, which highlight limitations or drawbacks, a cloud-based approach streamlines the process of retrieving data. The infrastructure is designed to efficiently handle large amounts of data and optimize retrieval times, which is essential for minimizing downtime during recovery efforts. By having backups stored in the cloud, businesses can take advantage of advanced technologies and resources that are often not possible with on-premises solutions.

3. What characteristic describes a Relational Database?

- A. It supports simple, light designs
- B. It can easily handle a wide variety of data types
- C. It allows for complex relationships between tables**
- D. It operates primarily in a cloud-native environment

The defining characteristic of a relational database is its ability to allow for complex relationships between tables. In a relational database, data is organized into tables, which can be linked through foreign keys. This structure facilitates the establishment of relationships among different entities, enabling the database to efficiently manage and manipulate interrelated data. For instance, in a database for a library, there may be separate tables for books, authors, and borrowers, with relationships defined to show which books are authored by which authors and which books have been borrowed by which borrowers. This capacity for complex relationships is fundamental to the functionality of relational databases. It allows for the execution of powerful queries that can retrieve and combine data from multiple tables, reflecting real-world associations. The use of structured query language (SQL) further enhances this capability, providing a robust framework for defining these relationships and conducting detailed analysis. In contrast, other characteristics mentioned in the options do not represent the primary aspect of relational databases. While some relational databases can indeed support various data types, they are not primarily designed for flexibility in this area. Additionally, while many relational databases can be deployed in cloud-native environments, that is not a defining trait of relational databases in general. Finally, the notion of supporting simple, light designs aligns more with other

4. What role does an Internet Gateway serve in a VPC?

- A. It monitors data packets within the VPC
- B. It connects your VPC to the outside world**
- C. It encrypts data traffic to enhance security
- D. It provides analytics on network performance

An Internet Gateway plays a crucial role in connecting a Virtual Private Cloud (VPC) to the broader Internet. It serves as a gateway that allows communication between instances within the VPC and external services on the Internet. Essentially, it enables resources within the VPC to send and receive traffic from the Internet, facilitating inbound and outbound connections. When an Internet Gateway is attached to a VPC, it provides a target for route table entries for Internet-routable traffic, making it possible for instances with public IP addresses or Elastic IPs to interact with the outside world. This connection to the Internet is essential for various applications, such as web servers that need to serve content publicly and any services that require external access or integration. The other options do not accurately describe the functionality of an Internet Gateway. Monitoring data packets, encrypting data traffic, and providing analytics on network performance pertain to different components and services within AWS. For example, AWS has services for data encryption like AWS Key Management Service (KMS), monitoring and logging platforms like AWS CloudTrail or Amazon CloudWatch, and tools for performance analytics such as AWS X-Ray or VPC Flow Logs, but none of these are functions performed by an Internet Gateway.

5. What distinguishes a cloud-native database like Amazon DynamoDB?

- A. It relies heavily on traditional server architecture
- B. It requires pre-provisioning of database tables
- C. It automatically scales for varying workloads**
- D. It is always structured

A cloud-native database like Amazon DynamoDB is distinguished by its ability to automatically scale for varying workloads. This feature is essential for applications that experience fluctuating traffic patterns and need to accommodate spikes in demand without manual intervention. DynamoDB's architecture allows it to dynamically adjust its throughput capacity in response to real-time usage, ensuring consistent performance even under heavy loads. This automatic scaling is achieved through its distributed nature, which effortlessly handles increases in data and request volume. As a result, users can focus on application development rather than managing database capacity, and they only pay for the resources they actually use, making it a cost-effective solution. In contrast, a reliance on traditional server architecture would imply a more static and fixed database setup, which doesn't align with the cloud-native approach. Pre-provisioning of database tables suggests a level of planning and resource allocation that contradicts the on-demand nature of cloud-native databases. Finally, the notion that a cloud-native database is always structured doesn't hold true as many cloud-native databases, including DynamoDB, support both structured and semi-structured data, allowing for flexible data models.

6. What are Amazon Machine Images primarily used for?

- A. Creating virtual networks
- B. Templates of pre-configured EC2 instances**
- C. Monitoring application performance
- D. Storing long-term data backups

Amazon Machine Images (AMIs) serve as templates that contain the necessary information to launch a pre-configured EC2 instance. This includes the operating system, application server, and applications, along with their associated configurations. By using an AMI, users can quickly and consistently launch new instances that have the same configurations, ensuring that the environment is reproducible and standardized. This is particularly useful when scaling applications or when launching multiple instances with identical configurations, as it streamlines the deployment process and reduces the potential for human error. The other options do not accurately reflect the primary use of AMIs. For instance, while creating virtual networks involves networking features in AWS (like VPCs), it is not directly related to AMIs. Monitoring application performance pertains to services like CloudWatch, which is different from managing instance templates. Finally, storing long-term data backups typically involves other AWS services like S3 or EBS snapshots, rather than AMIs themselves.

7. What do Access Control Lists (ACLs) in S3 typically control?

- A. Access for users within the same AWS account
- B. Access for users outside of the AWS account**
- C. Cost management and billing
- D. Standard retrieval performance

Access Control Lists (ACLs) in Amazon S3 are used to manage access permissions for the resources stored in S3 buckets. ACLs allow you to define who can access your bucket and its objects and what actions they can perform—such as read or write access. While ACLs can indeed control access for users outside of your AWS account, they also provide the capability to manage access for users within the same account. The focus on managing access for external users is significant; ACLs let you specify permissions for AWS accounts that are not directly related to your account, essentially enabling you to share your resources with outside parties. Cost management and billing do not fall under the control of ACLs; instead, they relate to AWS account management and service usage monitoring. Similarly, standard retrieval performance relates to how S3 handles operations regarding data access and retrieval speed, which is unrelated to permissions or access controls provided by ACLs. In essence, ACLs are solely concerned with permissions rather than billing or performance, and they serve a key role in securing your data, especially when it comes to interactions with entities outside of your AWS account.

8. How does a VPN function in the context of AWS?

- A. It connects AWS resources to other cloud services
- B. It establishes a connection between a data center and the VPC**
- C. It provides a direct link to the internet for EC2 instances
- D. It links different regions within AWS

A VPN, or Virtual Private Network, functions in the context of AWS by establishing a secure connection between a data center and a Virtual Private Cloud (VPC). This connection allows organizations to extend their on-premises network into the AWS cloud securely. By using a VPN, data transmitted between the data center and the VPC is encrypted, ensuring privacy and security. This setup is particularly beneficial for companies looking to utilize AWS cloud resources while maintaining a secure and seamless integration with their existing infrastructure. It allows for a hybrid cloud architecture where applications and data can be managed between local and cloud environments effectively. In the context of the other choices, a VPN does not primarily connect AWS resources to other cloud services, nor does it provide a direct link to the internet for EC2 instances, which is typically done through public IPs. Additionally, while AWS facilitates inter-region connectivity through other networking services, a VPN is not designed to link different regions directly. It specifically targets secure communication between local environments and AWS VPCs.

9. Which storage class provides resiliency but at a lower redundancy rate compared to standard storage?

- A. Standard - IA
- B. Reduced Redundancy Storage**
- C. One Zone - IA
- D. Intelligent Tiering

The option that provides resiliency with a lower redundancy rate compared to standard storage is Reduced Redundancy Storage (RRS). RRS is specifically designed to provide the same durability as standard storage while using less overhead, which translates into a lower redundancy factor. It achieves this by storing data across multiple facilities within a region, but with a lower level of redundancy, making it suitable for non-critical data that can be easily reproduced. This makes RRS a cost-effective solution for customers who are willing to accept a certain level of risk regarding data loss in exchange for lower storage costs. While it still ensures some degree of data safety, it is not as resilient as the standard storage class, which offers higher durability and redundancy. In contrast, other storage classes mentioned offer different features, capacities, and pricing structures based on varying levels of accessibility, retrieval times, and intended use cases, but do not align with the specification of providing resiliency at a lower redundancy rate in the same way that RRS does.

10. What is the function of a Root Table in a VPC?

- A. To add security groups to instances
- B. To allow specific machines to communicate within the VPC**
- C. To allocate storage for VPC resources
- D. To manage VPC traffic encryption

The root table in a Virtual Private Cloud (VPC) primarily functions as the main routing table that dictates how traffic is directed within the VPC and to outside networks. Its primary role is to define the routing rules that guide how communication occurs between different subnets and instances. Specifically, the root table allows specific machines and resources within the VPC to communicate with each other efficiently. This is crucial for ensuring that data can flow between various components of a cloud infrastructure, such as instances and services, on the same network without unnecessary complexity. In the context of the other choices, they incorrectly relate to other VPC features. Adding security groups is about managing network access based on rules and permissions, not about routing traffic. Allocating storage for VPC resources is more aligned with services like Amazon S3 or EBS, rather than routing. Lastly, traffic encryption is handled through different mechanisms, such as using VPN or specific encryption protocols, rather than through a routing table. Thus, the root table specifically plays a vital role in traffic direction and communication between machines within the VPC.

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:

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

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