Alibaba Cloud Certified Associate (ACA) Developer Practice Test (Sample)

Study Guide

BY EXAMZIFY

Everything you need from our exam experts!

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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

1. **Which service facilitates the integration of various databases on Alibaba Cloud?**

   A. Alibaba Cloud Data Synchronization Service

   B. Alibaba Cloud Database Gateway

   C. Alibaba Cloud Table Store

   D. Alibaba Cloud Security Center

2. **Which service provides automated response to user requests in the cloud environment?**

   A. Quick BI

   B. Alibaba Cloud Function Compute

   C. Alibaba Cloud Object Storage Service

   D. MaxCompute

3. **What is a key function of Alibaba Cloud RocketMQ regarding message types?**

   A. It supports only transactional messages

   B. It allows scheduling messages for future delivery

   C. It encrypts all messages by default

   D. It cannot handle large messages

4. **What capabilities does Alibaba Cloud Intelligent Speech Interaction Service provide?**

   A. Speech recognition and text-to-speech

   B. Dialogue interaction and video processing

   C. Speech recognition and dialogue interaction

   D. Audio streaming and recording

5. **Which of the following services is essential for network security on Alibaba Cloud?**

   A. Alibaba Cloud Firewall

   B. Alibaba Cloud Web Application Firewall

   C. Alibaba Cloud Anti-DDoS

   D. Alibaba Cloud Security Center

6. **Which possible errors can occur when accessing an image stored in OSS with image processing URL parameters?**

   A. NoSuchStyle

   B. NoSuchKey

   C. NoSuchFile

   D. InvalidParameter

7. **What role does geographic distribution play in Alibaba Cloud's high availability?**

   A. Increases latency

   B. Reduces total bandwidth

   C. Enhances service reliability and load balance

   D. Limits the number of users accessing services

8. **Which feature does Alibaba Cloud Data Transmission Service (DTS) provide that Redis-shake does not?**

   A. High availability

   B. Data backup

   C. Two-way data synchronization

   D. Data encryption

9. **How does Alibaba Cloud minimize data latency for users?**

   A. By using local servers

   B. By utilizing content delivery networks (CDN) with global edge nodes

   C. By implementing database caching techniques

   D. By increasing server bandwidth

10. **How does OSS handle file uploads during interruptions?**

    A. All uploaded data is lost

    B. Successfully uploaded parts are preserved

    C. Uploads are automatically resumed

    D. Partial uploads are ignored

Answers

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

Explanations

1. Which service facilitates the integration of various databases on Alibaba Cloud?

A. Alibaba Cloud Data Synchronization Service

B. Alibaba Cloud Database Gateway

C. Alibaba Cloud Table Store

D. Alibaba Cloud Security Center

The service that facilitates the integration of various databases on Alibaba Cloud is Alibaba Cloud Database Gateway. This service provides a unified gateway that enables applications to access multiple databases seamlessly. It simplifies communication between different database systems, allowing for better data management and integration without requiring significant changes to the application architecture. The Database Gateway supports various protocols and formats, making it easier to connect and interact with diverse database platforms. This capability is crucial for organizations that operate with hybrid cloud environments or need to consolidate data from multiple sources. In contrast, the other options, while valuable, do not serve the primary purpose of integrating databases. The Data Synchronization Service is designed for synchronizing data between different database systems but does not provide a unified gateway for integration. The Table Store is a NoSQL database service, which focuses on storing and retrieving data rather than facilitating integration. The Security Center is aimed at security management and doesn't address database integration needs. Thus, the Database Gateway stands out as the right choice for facilitating integration across various databases on Alibaba Cloud.

2. Which service provides automated response to user requests in the cloud environment?

A. Quick BI

B. Alibaba Cloud Function Compute

C. Alibaba Cloud Object Storage Service

D. MaxCompute

Alibaba Cloud Function Compute is designed to provide an automated response to user requests within a cloud environment by enabling the execution of code in response to events. This service is a serverless computing platform that automatically manages the computing resources required to run your code, allowing developers to focus on writing applications without worrying about the underlying infrastructure. Function Compute supports various event sources, including HTTP requests, allowing for seamless integration and automation of tasks. For instance, when a user triggers an event, the platform can automatically run the specified function to handle that request, reducing the time and effort required for manual intervention. This makes it ideal for building applications that require quick responses to dynamic user inputs or events. The other services mentioned have different primary functions. Quick BI focuses on business intelligence and analytics, Object Storage Service is primarily for storing and retrieving large amounts of data, and MaxCompute is a big data processing service for analyzing large datasets. None of these services are specifically designed to provide automated responses to user requests like Function Compute does.

3. What is a key function of Alibaba Cloud RocketMQ regarding message types?

    A. It supports only transactional messages

    B. It allows scheduling messages for future delivery

    C. It encrypts all messages by default

    D. It cannot handle large messages

Alibaba Cloud RocketMQ is designed to support a variety of messaging functionalities, one of which is the ability to schedule messages for future delivery. This feature enables users to specify a delay period before a message is sent to the intended consumer, allowing for more flexible messaging applications. For instance, if an application needs to send reminders or delayed notifications, this scheduling capability is particularly useful. By allowing scheduled messages, RocketMQ enhances the versatility of message handling, catering to different use cases where timing is essential. This function supports the creation of efficient workflows and can help optimize resource usage by controlling when messages become active, thereby improving overall application performance. The other choices lack such a comprehensive messaging feature: while transactional messages are indeed a part of RocketMQ's offerings, they do not encompass the broader utility that scheduling provides. The ability to encrypt all messages by default does not pertain to RocketMQ's design as a core feature. Additionally, while RocketMQ can efficiently handle large messages, this choice would inaccurately limit its functionality. Thus, the capability of scheduling messages emerges as the correct and significant feature among the options.

4. What capabilities does Alibaba Cloud Intelligent Speech Interaction Service provide?

    A. Speech recognition and text-to-speech

    B. Dialogue interaction and video processing

    C. Speech recognition and dialogue interaction

    D. Audio streaming and recording

The Alibaba Cloud Intelligent Speech Interaction Service is designed to facilitate natural communication between humans and machines through advanced speech technology. One of its primary capabilities is speech recognition, which allows the service to convert spoken language into text, enabling applications to understand user inputs through voice commands. Additionally, it supports dialogue interaction, which means it can engage in back-and-forth conversations, effectively enabling a more interactive and user-friendly experience. This combination of speech recognition and dialogue interaction makes the service particularly powerful for applications like virtual assistants, customer service interfaces, and other scenarios where voice interaction is key. By enabling software to understand and respond to human speech in a conversational manner, Alibaba Cloud enhances user engagement and streamlines processes. In contrast, other options include functionalities that are either not core to what the Intelligent Speech Interaction Service provides or combine features that do not pertain directly to its offerings. This positions the selected capabilities as essential components of the service.

5. Which of the following services is essential for network security on Alibaba Cloud?

A. Alibaba Cloud Firewall

B. Alibaba Cloud Web Application Firewall

C. Alibaba Cloud Anti-DDoS

D. Alibaba Cloud Security Center

The chosen answer points to the Alibaba Cloud Web Application Firewall as a crucial service for network security. This service specifically protects web applications from various threats, including SQL injection, cross-site scripting, and other vulnerabilities that can be exploited by attackers. By monitoring and controlling incoming traffic to web applications, it helps ensure that only legitimate traffic is allowed while malicious activities are blocked. This is particularly important for businesses that rely heavily on their online presence, as securing web applications is a fundamental aspect of maintaining customer trust and safeguarding sensitive data. The Web Application Firewall employs rules and policies to mitigate threats, offering a layer of protection tailored to the unique risks faced by applications exposed to the internet. While other services listed also play significant roles in enhancing network security, the Web Application Firewall specifically focuses on securing the web application layer, which is often where vulnerabilities are exploited. This specialized functionality makes it essential for anyone looking to fortify their cloud infrastructure against web-based threats.

6. Which possible errors can occur when accessing an image stored in OSS with image processing URL parameters?

A. NoSuchStyle

B. NoSuchKey

C. NoSuchFile

D. InvalidParameter

The correct answer, NoSuchStyle, pertains specifically to scenarios where an image is accessed in Alibaba Cloud's Object Storage Service (OSS) with URL parameters intended for image processing. When using image processing parameters in a request to OSS, various styles or configurations must exist for that image to process it correctly. If the specified style in the URL does not exist for the image, OSS will return a NoSuchStyle error, indicating that the requested transformation cannot be performed due to the absence of the specified style. This emphasizes the importance of defining styles correctly when setting up image processing capabilities in OSS. Each style may have distinct parameters that dictate how the image should be manipulated or displayed, such as resizing or format changes. If these styles are not set up or referenced correctly, users will encounter this particular error. The other options relate to different aspects of accessing resources in OSS but are not specific to the context of image processing. NoSuchKey indicates that the specified object does not exist in the storage. NoSuchFile refers to missing files in a general sense, potentially leading to confusion in environments outside of OSS. InvalidParameter, while relevant, typically pertains to incorrectly formed parameters that do not comply with the requirements for any operation, not just image styles. These distinctions clarify

7. What role does geographic distribution play in Alibaba Cloud's high availability?

A. Increases latency

B. Reduces total bandwidth

C. Enhances service reliability and load balance

D. Limits the number of users accessing services

Geographic distribution is a fundamental component of Alibaba Cloud's approach to achieving high availability. By spreading services and resources across multiple regions and availability zones, cloud services can maintain operation even if one or more locations experience failure or heightened demand. This strategy enhances reliability as it allows for failover capabilities; if one region goes down, traffic can be routed to another region that is still operational. Additionally, geographic distribution contributes to load balancing. Traffic can be efficiently distributed among various data centers, optimizing performance and ensuring that no single location becomes overwhelmed with requests. This overall strategy leads to improved service reliability, providing users with a more consistent experience and reducing the likelihood of service interruptions. In contrast, other options, such as increasing latency or reducing total bandwidth, do not accurately reflect the advantages of geographic distribution. While limiting user access could theoretically be a concern, this approach does not align with the core principles of high availability that focus on providing uninterrupted access and maintaining service quality across different regions.

8. Which feature does Alibaba Cloud Data Transmission Service (DTS) provide that Redis-shake does not?

A. High availability

B. Data backup

C. Two-way data synchronization

D. Data encryption

The correct answer highlights a key capability of Alibaba Cloud Data Transmission Service (DTS), which is two-way data synchronization. This feature allows data to be synchronized bidirectionally between two databases, making it particularly useful in scenarios where changes need to be reflected in both systems in real-time. Two-way synchronization is essential for maintaining data consistency across different environments, especially in applications that require redundancy or load balancing across multiple database instances. Redis-shake primarily focuses on data migration and replication for Redis databases. It does not inherently offer two-way data synchronization features, as its design is more centered around extracting and migrating data rather than maintaining a synchronized state between two databases. This functionality is crucial for scenarios where operations occur on both sides of the system and require immediate reflection. In contrast to DTS's two-way capability, the other features mentioned, such as high availability, data backup, and data encryption, are also important but are not unique to DTS when compared to Redis-shake. Both services incorporate varying levels of high availability, data protection, and security features, but two-way synchronization clearly distinguishes DTS in this context.

9. How does Alibaba Cloud minimize data latency for users?

A. By using local servers

B. By utilizing content delivery networks (CDN) with global edge nodes

C. By implementing database caching techniques

D. By increasing server bandwidth

Utilizing content delivery networks (CDN) with global edge nodes is a critical strategy for minimizing data latency for users on Alibaba Cloud. CDNs work by caching content in multiple locations around the world, known as edge nodes. This means that when a user requests data, it can be delivered from the nearest edge node rather than from a centralized server, significantly reducing the time it takes for data to reach the user. This approach is particularly effective for static content such as images, videos, and web pages, as it allows for faster load times and better overall performance. By strategically placing edge nodes in various geographic locations, Alibaba Cloud ensures that users experience lower latency regardless of their physical distance from the main servers. In contrast, while using local servers can improve latency for users within a specific geographical region, it does not have the same global reach or scalability as a CDN. Similarly, database caching techniques can reduce latency for frequently accessed data but are more limited in scope compared to the broad distribution provided by global CDN edge nodes. Increasing server bandwidth might help in scenarios of high data traffic but does not inherently reduce latency in the same way that CDNs do.

10. How does OSS handle file uploads during interruptions?

A. All uploaded data is lost

B. Successfully uploaded parts are preserved

C. Uploads are automatically resumed

D. Partial uploads are ignored

When using Alibaba Cloud Object Storage Service (OSS) for file uploads, if an interruption occurs during the upload process, the service effectively retains the parts of the file that have already been successfully uploaded. This means that, in the event of an upload failure or interruption—perhaps due to network issues or system errors—any data that was previously uploaded is not lost and can still be used to complete the upload of the entire file. This capability is particularly important for large files, as it saves time and bandwidth that would otherwise be wasted in re-uploading the entire file after an interruption. Users can resume the upload process from the point at which it stopped by utilizing the parts that have already been stored, leading to a more efficient and reliable upload experience. In contrast, the other options imply a less effective handling of file uploads, which does not align with OSS's behavior of preserving successfully uploaded parts in the event of interruptions.

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://acadeveloper.examzify.com

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