

CERTIFIED INTEGRATION ARCHITECT DESIGNER PRACTICE EXAM (SAMPLE) STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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THE FULL VERSION STUDY GUIDE**

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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 methods can be employed to avoid duplicate contacts during the migration of contacts into the Salesforce org?**
 - A. Create a new text field to contain a hashed value for (first name+last name + street number) in Universal Containers org and define it as External ID.
 - B. Create an indexed formula field for (first name+last name + street number) so that a search can be done on the key before loading records.
 - C. Create a new formula field for (first name+last name + street number) in universal containers org.
 - D. Utilize a third-party data cleaning service to remove duplicates post-migration.
- 2. What type of mapping is essential when integrating systems with different data structures?**
 - A. Data normalization mapping
 - B. Data transformation mapping
 - C. Data layout mapping
 - D. Data extraction mapping
- 3. What implementation ensures Salesforce users can create, read, update, and delete data sourced from an external data warehouse?**
 - A. Utilize Lightning Connect with custom development
 - B. Use an embedded third-party JavaScript library
 - C. Implement a canvas application for external access
 - D. Employ AppExchange tools for direct data manipulation
- 4. What is a webhook?**
 - A. A method that allows an application to send real-time data to another application via HTTP callbacks
 - B. A tool for analyzing web traffic statistics
 - C. A visual representation of database relationships
 - D. A protocol for secure data exchange

- 5. What recommendation should a technical Architect make to minimize complexity during new acquisitions?**
- A. Use custom Links to direct users to the appropriate ERP system to view order status.
 - B. Build all Integrations as nightly ETL batches to minimize real-time overhead.
 - C. Leverage Apex callouts to integrate directly with acquired applications.
 - D. Use an ESB to abstract the Salesforce integration from other enterprise applications.
- 6. What is a common format used for data serialization in integrations?**
- A. XML (Extensible Markup Language)
 - B. CSV (Comma Separated Values)
 - C. JSON (JavaScript Object Notation)
 - D. YAML (YAML Ain't Markup Language)
- 7. Which of the following is a primary advantage of using cloud-based integration solutions?**
- A. Increased cost for infrastructure maintenance
 - B. Scalability and flexibility in resource management
 - C. Dependency on local hardware
 - D. Limited access to services
- 8. When considering Apex callouts, which of the following is true regarding the limit on API calls?**
- A. API limits reset every 24 hours.
 - B. API limits are shared with all integrations.
 - C. API limits can exceed during emergencies.
 - D. API limits only apply to inbound calls.
- 9. Which of the following terms describes the process of mapping data from one system to another during integration?**
- A. Data routing
 - B. Data transformation
 - C. Data storage
 - D. Data synchronization

10. What is the focus of transaction management in integration?

- A. To enhance user experience during transactions
- B. To manage transactions across multiple systems for data integrity
- C. To monitor user access in transactions
- D. To speed up transaction processing times

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Answers

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

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Explanations

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1. What methods can be employed to avoid duplicate contacts during the migration of contacts into the Salesforce org?

- A. Create a new text field to contain a hashed value for (first name+last name + street number) in Universal Containers org and define it as External ID.
- B. Create an indexed formula field for (first name+last name + street number) so that a search can be done on the key before loading records.
- C. Create a new formula field for (first name+last name + street number) in universal containers org.
- D. Utilize a third-party data cleaning service to remove duplicates post-migration.

Creating a new text field to contain a hashed value for (first name+last name + street number) and defining it as an External ID is an effective strategy to avoid duplicate contacts during the migration into Salesforce. This method offers several advantages. Firstly, by generating a hashed value, you create a unique identifier for each contact based on their name and street number combination. Hashing is a robust approach because it converts these values into a fixed-length string that represents the original input in a way that is generally consistent for the same input values. This means that when two contacts have the same name and street number, they will generate the same hashed value, making it easy to identify duplicates before migration. Defining this field as an External ID adds further capability by allowing Salesforce to automatically enforce uniqueness for the records being migrated. When importing contacts, Salesforce can check the hashed External ID field against existing records to prevent the creation of duplicates in real-time. It's important to note that using an indexed formula field or a simple formula field, while helpful for searching and reporting, does not provide the same level of uniqueness control that an External ID does. Indexed fields can improve search performance but do not inherently manage duplicates during data import. After the fact, using a third-party

2. What type of mapping is essential when integrating systems with different data structures?

- A. Data normalization mapping
- B. Data transformation mapping
- C. Data layout mapping
- D. Data extraction mapping

Data transformation mapping is essential when integrating systems with different data structures because it involves the process of converting data from one format or structure to another to ensure compatibility between systems. This transformation can include altering the data types, adjusting the hierarchies, and even merging or splitting data fields to meet the requirements of the target system. In integration scenarios where data is coming from heterogeneous sources, it is common for structures to differ significantly. Data transformation mapping allows for seamless data exchange by standardizing data formats and making them interpretable across different systems. This ensures that the receiving system can accurately understand and use the data being sent from another system. Other mapping types, such as data normalization, layout, and extraction, serve different purposes. Data normalization focuses on organizing data to reduce redundancy and improve data integrity within a single database, while data layout mapping deals with the physical arrangement of data within a storage environment. Data extraction mapping typically pertains to the process of retrieving data from a source, which may not necessarily involve the transformation needed for compatibility between systems. Thus, data transformation mapping stands out as the critical component in bridging the gaps created by diverse data structures during system integration.

3. What implementation ensures Salesforce users can create, read, update, and delete data sourced from an external data warehouse?

- A. Utilize Lightning Connect with custom development
- B. Use an embedded third-party JavaScript library
- C. Implement a canvas application for external access**
- D. Employ AppExchange tools for direct data manipulation

The implementation that ensures Salesforce users can create, read, update, and delete data sourced from an external data warehouse is effectively achieved through the use of a canvas application for external access. Canvas applications allow for a seamless integration of external data and functionalities within the Salesforce interface. By embedding a canvas app, organizations can provide users with the ability to interact directly with data residing in an external data warehouse as if it were part of Salesforce itself. This integration allows for full CRUD (Create, Read, Update, Delete) operations on the data, enabling users to work efficiently while utilizing the familiar Salesforce environment. This approach not only enhances user experience but also leverages the robust capabilities of Salesforce in conjunction with external systems, ensuring that users have access to the most current and relevant data from the external source without the need for complex data migrations or duplications. In contrast, the other options may not fully address the requirement for extensive data manipulation directly within the Salesforce ecosystem. For instance, utilizing Lightning Connect can enhance data connectivity but might require additional custom development to achieve full CRUD capabilities. Using a third-party JavaScript library could introduce challenges with interoperability and maintaining secure connections. Employing AppExchange tools may provide solutions for specific tasks, but generally, these tools are not designed for

4. What is a webhook?

- A. A method that allows an application to send real-time data to another application via HTTP callbacks**
- B. A tool for analyzing web traffic statistics
- C. A visual representation of database relationships
- D. A protocol for secure data exchange

A webhook is a method that allows one application to send real-time data to another application using HTTP callbacks. This mechanism facilitates immediate updates and notifications between systems without requiring the receiving application to continually poll for new information. When a specific event occurs in the source application, it triggers an HTTP request to a defined URL (endpoint) of the receiving application, delivering relevant data instantly. This allows for more efficient data handling and communication between different software components, making webhooks a powerful tool in integrating various applications seamlessly. The other options do not accurately describe the function of a webhook. Analyzing web traffic statistics pertains to website analytics tools and does not involve real-time data transmission between applications. A visual representation of database relationships is typically referred to as an Entity-Relationship Diagram (ERD) and is unrelated to webhooks. A protocol for secure data exchange would refer to specific standards or frameworks designed for secure communication, such as HTTPS or TLS, rather than the real-time communication context that webhooks provide.

5. What recommendation should a technical Architect make to minimize complexity during new acquisitions?

- A. Use custom Links to direct users to the appropriate ERP system to view order status.
- B. Build all Integrations as nightly ETL batches to minimize real-time overhead.**
- C. Leverage Apex callouts to integrate directly with acquired applications.
- D. Use an ESB to abstract the Salesforce integration from other enterprise applications.

The recommendation to build all integrations as nightly ETL batches to minimize real-time overhead aligns with the goal of reducing complexity during new acquisitions. By using a batch processing approach, the technical architect allows for a simplified integration architecture that processes data in scheduled increments rather than constantly in real time. This can reduce the demand on system resources, minimize immediate dependency on external systems, and manage data flow in a controlled manner. In situations involving new acquisitions, the architecture often needs to interface with multiple disparate systems. Nightly ETL (Extract, Transform, Load) processes can handle large volumes of data at once and allow for necessary transformations and validation before the data is used within the primary application. This reduces the potential for errors that can arise with direct real-time integrations and simplifies troubleshooting because the data movement is batch-oriented and can be monitored at specific times. Moreover, utilizing a nightly batch process can also improve performance since it can take place during off-peak hours when system demand is lower, thus optimizing overall operational efficiency. This strategy allows the integration architect to focus on establishing robust integrations without the immediate need for real-time communication, which can often add layers of complexity. In contrast, utilizing custom links for directing users to view order status may lead to a confusing user experience by

6. What is a common format used for data serialization in integrations?

- A. XML (Extensible Markup Language)
- B. CSV (Comma Separated Values)
- C. JSON (JavaScript Object Notation)**
- D. YAML (YAML Ain't Markup Language)

A common format used for data serialization in integrations is JSON (JavaScript Object Notation). JSON has gained wide acceptance in modern web services and APIs largely due to its readability and ease of use in both humans and machines. It effectively structures data using a lightweight format that is easy to parse and generates fewer characters compared to XML. JSON's format is inherently compatible with JavaScript, which has made it particularly popular for web applications where JavaScript is the primary scripting language. The syntax is also straightforward, using key-value pairs to represent data, aligning well with most programming languages, thus simplifying the process of data integration between systems. This attribute makes it a preferred choice for integrating disparate systems that need to exchange data in real-time or through various APIs. While other formats like XML, CSV, and YAML also serve specific purposes in data serialization, they do not offer the same level of versatility and ease of integration as JSON when it comes to web-based applications and modern microservices architectures.

7. Which of the following is a primary advantage of using cloud-based integration solutions?

- A. Increased cost for infrastructure maintenance
- B. Scalability and flexibility in resource management**
- C. Dependency on local hardware
- D. Limited access to services

The primary advantage of using cloud-based integration solutions lies in their scalability and flexibility in resource management. Cloud services allow organizations to easily scale their resources up or down based on their needs without the burden of managing physical infrastructure. This elasticity means that businesses can efficiently respond to changing demands, such as fluctuating workloads or growth, by provisioning additional resources as required. Furthermore, cloud solutions typically offer a variety of integration tools and services that can be accessed without the need for significant changes to local environments. This flexibility enables organizations to adopt new technologies and processes more readily, facilitating innovation and improved business agility. In contrast, the other options highlight disadvantages or limitations associated with traditional on-premises solutions or incorrect perceptions of cloud offerings. Increased cost for infrastructure maintenance does not align with the benefits of cloud services, which often reduce the burden of maintenance. Dependency on local hardware and limited access to services are also contrary to the core benefits of cloud-based solutions, which are designed to leverage the internet to provide greater accessibility and reduce reliance on local systems.

8. When considering Apex callouts, which of the following is true regarding the limit on API calls?

- A. API limits reset every 24 hours.
- B. API limits are shared with all integrations.**
- C. API limits can exceed during emergencies.
- D. API limits only apply to inbound calls.

The choice indicating that API limits are shared with all integrations is correct because, in Salesforce, the total number of API calls made is a pooled limit across all integrations, applications, and users accessing the Salesforce instance. This means that any API call made by any part of the system counts against the same limit, regardless of whether the call is from a third-party application, an internal integration, or a user-initiated process. Understanding that the API limits are shared helps to highlight the need for careful management of API calls, especially in environments with multiple integrations that may be competing for the same resource. It also underlines the importance of monitoring usage patterns to avoid hitting the API limit unexpectedly, which could disrupt services relying on API interactions. Other options do not accurately represent how API limits function. For instance, limits do indeed reset every 24 hours, but this fact alone does not encompass the shared nature of those limits. The notion that limits can exceed during emergencies is misleading—exceeding the limit would still result in failures regardless of circumstances unless specifically defined exceptions are made, which is not a standard practice. Lastly, API limits pertain to both inbound and outbound calls; therefore, stating they only apply to inbound calls is incorrect.

9. Which of the following terms describes the process of mapping data from one system to another during integration?

- A. Data routing
- B. Data transformation**
- C. Data storage
- D. Data synchronization

The process of mapping data from one system to another during integration is best described as data transformation. Data transformation involves converting data into a format that is understandable and usable by the destination system. This process may include changing data types, applying formats, or performing calculations to ensure that the data aligns correctly with the requirements of the target system. Effective data transformation is crucial in integration scenarios, as it ensures that the data retains its meaning and context while being transferred from one application to another. This means that even though the source system and target system may have different data structures or formats, the integral information can still be effectively utilized in the new environment. Other options like data routing, data storage, and data synchronization relate to different aspects of data management. Data routing refers to directing data to the appropriate destination, data storage deals with saving data in a database or storage system, and data synchronization is about ensuring that multiple systems are up-to-date with consistent information. None of these processes inherently focus on the actual change in data format or structure that occurs during integration, which is why data transformation is the correct term for this scenario.

10. What is the focus of transaction management in integration?

- A. To enhance user experience during transactions
- B. To manage transactions across multiple systems for data integrity**
- C. To monitor user access in transactions
- D. To speed up transaction processing times

Transaction management in integration is primarily focused on ensuring data integrity across multiple systems during transactions. This involves coordinating and managing the various operations that occur when a transaction is processed across different databases or applications. The primary goal is to maintain a consistent state of data, ensuring that all parts of the transaction are completed successfully or rolled back entirely if any part fails. This concept is crucial in a distributed environment, where transactions might span various systems that have to work in sync. When successful, transaction management guarantees that either all changes made during the transaction are committed and reflected across the systems, or none are. This is essential for preventing data corruption and maintaining the reliability of the information being handled. In scenarios where multiple systems are involved, managing the complexity of distributed transactions becomes vital for the overall integrity of business processes. While enhancing user experience, monitoring user access, and speeding up processing times are important considerations in system design, they are secondary to ensuring that transactions are properly managed to uphold data integrity and reliability in integration settings. Thus, the emphasis on managing transactions across multiple systems directly addresses the fundamental need for data consistency in an integrated architecture.

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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