

Salesforce Certified Data Architecture Practice Test (Sample)

Study Guide



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

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- 1. What is the recommended solution for exporting 40 million Account records while encountering a full table scan time-out failure?**
 - A. Modify the export job header to specify Export-in-Parallel.**
 - B. Modify the export job header to specify Sforce-Enable-PKChunking.**
 - C. Modify the export query to include standard index fields.**
 - D. Modify the export query with a LIMIT clause with Batch size 10,000.**
- 2. Which measures does Salesforce employ to enhance data security?**
 - A. Intensive user training and audits**
 - B. Encryption, field-level security, and object permissions**
 - C. Enhanced password requirements and two-factor authentication**
 - D. Limiting access to only senior management**
- 3. What is a recommended solution for building data exploration dashboards in Salesforce?**
 - A. Create a Dashboard in an external reporting tool.**
 - B. Create a Dashboard using Analytics Cloud that allows ad-hoc lenses.**
 - C. Create a standard Salesforce Dashboard connected to reports.**
 - D. Create dashboards solely for desktop users.**
- 4. What is a primary advantage of using formula fields?**
 - A. They store additional data points**
 - B. They automate user access permissions**
 - C. They dynamically display information without storing it**
 - D. They improve data redundancy**
- 5. How can users ensure data quality within Salesforce?**
 - A. By conducting regular training sessions**
 - B. Through validation rules and regular audits**
 - C. By increasing user permissions**
 - D. Through automatic data deletion**

6. What solution should a data architect use to comply with a new disaster recovery policy requiring a separate business continuity plan?

- A. Leverage a 3rd party tool that extracts Salesforce data/metadata and stores the information in an external protected system.**
- B. Leverage Salesforce weekly exports, and store data in flat files on a protected system.**
- C. Utilize an ETL tool to migrate data to an on-premise archive solution.**
- D. Write a custom batch job to extract data changes nightly, and store it in an external protected system.**

7. What approach should the architect recommend to view Account data and Invoice data in one report?

- A. Create a report in an external system combining data.**
- B. Create a report combining Account data and Invoices external object.**
- C. Create a Visualforce page that merges both data sets.**
- D. Create separate reports and aggregate them in a dashboard.**

8. When designing an archiving strategy, which considerations are important?

- A. How many fields are defined on the custom objects?**
- B. Which profiles currently have access to the records?**
- C. Can the archived information be aggregated into fewer records?**
- D. Will the archived data need future access or reporting?**

9. Which function does Apex NOT perform within data management?

- A. Providing custom business logic for data transactions**
- B. Handling server communication for database queries**
- C. Enforcing data security protocols for storage**
- D. Directly manipulating record appearances in reports**

10. Which of the following APIs is most suitable for bulk exporting large data sets from Salesforce?

- A. SOAP API**
- B. REST API**
- C. Bulk API**
- D. Streaming API**

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Answers

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

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Explanations

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- 1. What is the recommended solution for exporting 40 million Account records while encountering a full table scan time-out failure?**
 - A. Modify the export job header to specify Export-in-Parallel.**
 - B. Modify the export job header to specify Sforce-Enable-PKChunking.**
 - C. Modify the export query to include standard index fields.**
 - D. Modify the export query with a LIMIT clause with Batch size 10,000.**

The recommended solution for exporting 40 million Account records that are encountering a full table scan time-out failure is to modify the export job header to specify Sforce-Enable-PKChunking. This approach leverages primary key chunking, a method designed to optimize the retrieval of large data sets in Salesforce. By splitting the export process into smaller, more manageable pieces based on primary key ranges, it reduces the load on the database and minimizes the likelihood of time-out issues during the export. This technique is particularly beneficial for large data exports as it allows for parallel processing of data, making the operation more efficient. As the system processes chunks of records sequentially or in parallel rather than attempting to handle the entire dataset at once, it helps in circumventing potential performance bottlenecks associated with scanning extensive records in a single go. While alternatives such as adjusting the query or setting batch sizes may provide some relief, they do not target the underlying issue of the time-out experienced during a full table scan. The essence of Sforce-Enable-PKChunking lies in its ability to efficiently segment the data based on primary keys, thus enhancing the export operation's overall success.

- 2. Which measures does Salesforce employ to enhance data security?**
 - A. Intensive user training and audits**
 - B. Encryption, field-level security, and object permissions**
 - C. Enhanced password requirements and two-factor authentication**
 - D. Limiting access to only senior management**

Salesforce employs a robust set of measures to enhance data security, and among them, encryption, field-level security, and object permissions play crucial roles. Encryption ensures that sensitive data is protected both at rest and in transit, meaning that even if unauthorized access occurs, the data remains unreadable without the appropriate decryption keys. Field-level security allows administrators to control access to specific fields within an object, ensuring that only users who need to see or edit particular data can do so. Object permissions enable administrators to set visibility and access levels for entire objects, like Accounts or Contacts, further refining the control over who can view or modify information. Together, these features create a layered approach to security, safeguarding data from unauthorized access while allowing necessary access for users who need it for their job functions. This comprehensive approach is essential for maintaining data integrity and confidentiality within the Salesforce platform.

3. What is a recommended solution for building data exploration dashboards in Salesforce?

- A. Create a Dashboard in an external reporting tool.
- B. Create a Dashboard using Analytics Cloud that allows ad-hoc lenses.**
- C. Create a standard Salesforce Dashboard connected to reports.
- D. Create dashboards solely for desktop users.

Building data exploration dashboards in Salesforce is best achieved through the use of Analytics Cloud, specifically because it provides the functionality for ad-hoc lenses. Ad-hoc lenses enable users to interact dynamically with the data, allowing them to drill down, pivot, and filter information based on their specific needs. This flexibility fosters a more exploratory approach to data analysis, which is often necessary for deriving insights and making data-driven decisions. Additionally, using Analytics Cloud aligns well with current trends in data analysis, where interactive and visually engaging tools are preferred. By leveraging the capabilities of Analytics Cloud, users can create dashboards that not only present data but also allow for deeper analysis and exploration in real-time. Other options, while viable for certain scenarios, do not offer the same level of interactive data exploration. External reporting tools may not integrate seamlessly with Salesforce data structures and may lack real-time capabilities. Standard Salesforce Dashboards tied to reports usually provide a static view of data and do not support the same degree of interaction as those created in Analytics Cloud. Focusing solely on desktop users limits accessibility and usability, as a significant number of users engage with data on mobile devices as well. Thus, for constructing data exploration dashboards that are user-friendly and dynamic, utilizing the capabilities of Analytics Cloud with the

4. What is a primary advantage of using formula fields?

- A. They store additional data points
- B. They automate user access permissions
- C. They dynamically display information without storing it**
- D. They improve data redundancy

A primary advantage of using formula fields is that they dynamically display information without storing it. Formula fields are designed to compute values on the fly based on other fields in the database or through specific functions and logical operations. This allows for real-time updates to the displayed value whenever the related data changes, ensuring the information is always current and relevant without taking up extra storage space. By utilizing formula fields, organizations can enhance their data visualization and reporting capabilities without duplicating data. This feature makes it easier to maintain data integrity, as there's no risk of having outdated or inconsistent information. Additionally, since formula fields derive their values from existing fields, they can streamline calculations and present complex data in a straightforward manner, adding significant value to data architecture in Salesforce. The other options do not accurately represent the purpose or benefits of formula fields. For example, they do not store additional data points or improve data redundancy, nor do they manage user access permissions. These functionalities belong to different aspects of Salesforce and do not capture the essence of what formula fields accomplish.

5. How can users ensure data quality within Salesforce?

- A. By conducting regular training sessions
- B. Through validation rules and regular audits**
- C. By increasing user permissions
- D. Through automatic data deletion

Ensuring data quality within Salesforce is crucial for maintaining the integrity and reliability of the information stored in the system. The use of validation rules and regular audits provides a systematic approach to upholding data quality. Validation rules are configurations that prevent users from saving records that do not meet specified criteria, ensuring that only accurate and valid data enters the system. This real-time feedback mechanism helps capture errors as they occur, reducing the likelihood of incorrect data being processed or analyzed later. Regular audits complement validation rules by systematically reviewing data for inconsistencies, redundancies, and other quality issues. Audits can involve checking specific fields for accuracy, verifying entries against established standards, and identifying duplicates. Together, these practices foster a culture of accountability and precision, leading to improved data quality over time. In contrast, while conducting regular training sessions is beneficial for user awareness and capability, it does not directly enforce data quality. Increasing user permissions may inadvertently allow for more errors if users are not adequately trained. Automatic data deletion, while useful in some contexts, does not build data quality; instead, it often removes data without addressing the underlying issues that may lead to poor quality in the first place.

6. What solution should a data architect use to comply with a new disaster recovery policy requiring a separate business continuity plan?

- A. Leverage a 3rd party tool that extracts Salesforce data/metadata and stores the information in an external protected system.**
- B. Leverage Salesforce weekly exports, and store data in flat files on a protected system.
- C. Utilize an ETL tool to migrate data to an on-premise archive solution.
- D. Write a custom batch job to extract data changes nightly, and store it in an external protected system.

Choosing to leverage a third-party tool that extracts Salesforce data and metadata and stores that information in an externally protected system aligns well with the requirements of a comprehensive disaster recovery policy. This solution facilitates not just backup, but also ensures that the extracted data and metadata are stored securely, in line with best practices for business continuity. By using a reputable third-party tool, organizations can automate the extraction process, ensuring that data is consistently captured, and stored off-site with appropriate security measures. This approach not only minimizes the risk of data loss but also provides flexibility in how the data can be accessed and restored in case of a disaster. Additionally, it allows for the extraction of both data and metadata, which is crucial for a complete recovery of the Salesforce environment, including custom objects, configurations, and settings. While other options may provide some level of data backup, they often lack the robustness and comprehensiveness required for a thorough business continuity plan. For instance, using Salesforce weekly exports or writing custom batch jobs may not capture real-time data changes or ensure the same level of security as a dedicated third-party solution. Hence, opting for a third-party tool is a strategic choice for ensuring compliance with new disaster recovery policies.

7. What approach should the architect recommend to view Account data and Invoice data in one report?

- A. Create a report in an external system combining data.
- B. Create a report combining Account data and Invoices external object.**
- C. Create a Visualforce page that merges both data sets.
- D. Create separate reports and aggregate them in a dashboard.

Recommending the creation of a report that combines Account data and Invoices as an external object is a sound approach due to the seamless integration and ease of access within the Salesforce environment. By leveraging external objects, users can directly pull in and visualize data from external sources, which enhances the reporting capabilities without needing to export or manipulate data outside of Salesforce. Creating a report in Salesforce allows for rich customization and functionality offered by the platform's reporting tools. This enables users to use filters, sorting, and aggregation features that are available natively in Salesforce. It facilitates real-time data analysis, allowing stakeholders to make informed decisions based on the most up-to-date information. Additionally, this method maintains data integrity, as it utilizes Salesforce's data access and permission features, ensuring that users can only view the data they are authorized to see. This is particularly important in environments where compliance and data governance are priorities. In contrast, alternative approaches like creating a Visualforce page might complicate the user experience and require additional development efforts, while separate reports aggregated in a dashboard can lead to fragmented insights that do not provide a holistic view. Using an external system may introduce challenges with data consistency and accessibility, as well as potential delays in data updates. By focusing on integrating both datasets within

8. When designing an archiving strategy, which considerations are important?

- A. How many fields are defined on the custom objects?
- B. Which profiles currently have access to the records?
- C. Can the archived information be aggregated into fewer records?
- D. Will the archived data need future access or reporting?**

The most important consideration when designing an archiving strategy is whether the archived data will need future access or reporting. This is crucial because the primary purpose of archiving is to store data that is no longer actively used but still needs to be retained for compliance, historical reference, or occasional reporting. Understanding the future access needs influences how the data is stored, retrieved, and classified. If there is a possibility that the archived data will need to be accessed in the future, it is vital to ensure that it remains retrievable in a manner that is useful to stakeholders. Designing an effective archiving strategy takes into account the volume and structure of the data being archived, as well as how often it may need to be referenced. If the data needs to be easily accessible for reporting, it might require a different storage solution compared to data that will be infrequently accessed. Therefore, considering future access and reporting requirements is essential to ensure that the archived data serves its intended purpose without causing inefficiencies or complications in retrieving it later.

9. Which function does Apex NOT perform within data management?

- A. Providing custom business logic for data transactions**
- B. Handling server communication for database queries**
- C. Enforcing data security protocols for storage**
- D. Directly manipulating record appearances in reports**

Apex is a powerful programming language used in Salesforce for executing custom business logic and handling data management tasks efficiently. The primary functions of Apex include executing complex business logic, managing database interactions, and enforcing data security protocols. The option concerning the direct manipulation of record appearances in reports is not within the scope of Apex's functionality. Instead, reports in Salesforce are primarily managed through the Reporting features provided by the platform. This includes capabilities for users to create, customize, and format their reports based on the data available in Salesforce objects. The report formatting and the appearance of records therein are handled by the reporting engine rather than Apex code, which is designed for backend operations. In contrast, Apex does indeed provide custom business logic for transactions, manages the communication with servers for database queries, and enforces security protocols related to data storage and access. These functionalities support the overall data handling and automation within Salesforce, ensuring that data transactions are executed correctly and securely while adhering to user-defined business processes. Thus, it's clear that while Apex plays a significant role in the management and manipulation of data, altering the display of records in reports is outside its capabilities.

10. Which of the following APIs is most suitable for bulk exporting large data sets from Salesforce?

- A. SOAP API**
- B. REST API**
- C. Bulk API**
- D. Streaming API**

The Bulk API is specifically designed for efficiently processing large volumes of data in Salesforce. Unlike the other APIs, which may be suitable for smaller data transactions and real-time interactions, the Bulk API handles asynchronous requests, allowing it to send and process large data sets more effectively. The Bulk API can manage hundreds of thousands or even millions of records in a single call, maximizing throughput and providing features like chunking and parallel processing. This is particularly important for organizations needing to export significant amounts of data without the overhead and limitations that come with standard synchronous APIs. In contrast, the SOAP API and REST API are both more suited for real-time, transactional data operations with limits on the number of records they can process in a single call. The Streaming API is designed for real-time notifications about changes to Salesforce records, making it less appropriate for bulk data export tasks. Therefore, the Bulk API stands out as the optimal choice for those looking to export large data sets from Salesforce effectively.

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://salesforce-dataarchitecture.examzify.com>

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

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