

# Test Data-Architect Answers & Data-Architect Test Registration

## AWS Certified Solutions Architect test-with 100% verified answers-2022-2023

1. A Solutions Architect is developing a document sharing application and needs a **storage layer**. The storage should provide automatic **support for versioning** so that users can easily roll back to a previous version or recover a deleted account. Which AWS service will meet the above requirements?
  - a. **Amazon S3**
  - b. Amazon EBS
  - c. Amazon EFS
  - d. Storage Gateway VTL
2. You have an application running in us-west-2 requiring 6 EC2 Instances running at all times. With 3 Availability Zones in the region viz. us-west-2a, us-west-2b, and us-west-2c, which of the following deployments provides fault tolerance if an Availability Zone in us-west-2 becomes unavailable?  
Choose 2 answers from the options given below.
  - a. 2 EC2 Instances in us-west-2a, 2 EC2 Instances in us-west-2b, and 2 EC2 Instances in **us-west-2c**
  - b. 3 EC2 Instances in us-west-2a, 3 EC2 Instances in us-west-2b, and no EC2 Instances in us-west-2c
  - c. 4 EC2 Instances in us-west-2a, 2 EC2 Instances in us-west-2b, and 2 EC2 Instances in us-west-2c
  - d. 6 EC2 Instances in us-west-2a, 6 EC2 Instances in us-west-2b, and no EC2 Instances in us-west-2c
  - e. **3 EC2 Instances in us-west-2a, 3 EC2 Instances in us-west-2b, and 3 EC2 Instances in us-west-2c**
3. **An** application allows a manufacturing site to upload files. Each uploaded **3 GB** file is processed to extract metadata, and this process takes a few seconds per file. The frequency at which the uploads happen is **unpredictable**. For instance, there may be no updates for hours, followed by several files being uploaded concurrently. What architecture addresses this workload in the most **cost efficient** manner?
  - a. Use a Kinesis Data Delivery Stream to store the file. Use Lambda for processing.
  - b. Use an SQS queue to store the file, to be accessed by a fleet of EC2 Instances.
  - c. Store the file in an EBS volume, which can then be accessed by another EC2 Instance for processing.
  - d. **Store the file in an S3 bucket. Use Amazon S3 event notification to invoke a Lambda function for file processing.**
4. A company is migrating an on-premise 10TB MySQL database to AWS. With a business requirement that the replica lag be under 100 milliseconds, the company expects this database to quadruple in size. Which Amazon RDS engine meets the above requirements?
  - a. MySQL
  - b. Microsoft SQL Server
  - c. Oracle
  - d. **Amazon Aurora**
5. **For** which of the following workloads should a Solutions Architect consider using Elastic Beanstalk? Choose 2 answers from the options given below.
  - a. **A Web application using Amazon RDS**
  - b. An Enterprise Data Warehouse
  - c. A long running worker process

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Salesforce Data-Architect Exam is a challenging exam that requires extensive knowledge of Salesforce data management concepts and principles. Data-Architect exam consists of multiple-choice questions and scenario-based questions that test a candidate's ability to design and manage complex data architectures on the Salesforce platform. Candidates must have a thorough understanding of data modeling, data integration, data governance, and data security. Passing Data-Architect Exam requires extensive preparation, including studying the Salesforce Data-Architect exam guide, taking practice exams, and gaining practical experience in designing and implementing data solutions on the Salesforce platform.

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## Salesforce Certified Data Architect Sample Questions (Q200-Q205):

### NEW QUESTION # 200

Get Cloud Consulting needs to integrate two different systems with customer records into the Salesforce Account object. So that no duplicate records are created in Salesforce, Master Data Management will be used.

An Architect needs to determine which system is the system of record on a field level.

What should the Architect do to achieve this goal?

- A. Key stakeholders should review any fields that share the same purpose between systems to see how they will be used in Salesforce.
- B. Master Data Management systems determine system of record, and the Architect doesn't have to think about what data is controlled by what system.
- C. Any field that is an input field in either external system will be overwritten by the last record integrated and can never have a system of record.
- D. The database schema for each external system should be reviewed, and fields with different names should always be separate fields in Salesforce.

### Answer: A

Explanation:

Key stakeholders from both systems should collaborate with the Architect to determine which system is the system of record on a field level is what the Architect should do to achieve this goal of integrating two different systems with customer records into the Salesforce Account object using Master Data Management.

The system of record is the authoritative source of truth for a given entity or field in a given context. Different systems may have different levels of accuracy, completeness, timeliness, or relevance for different fields.

Therefore, it is important to involve key stakeholders from both systems who have knowledge and expertise about their data quality and business needs to decide which system should be the system of record for each field. The Architect should facilitate this collaboration and document the decisions and rationale for each field.

The other options are not correct or feasible, as they would either delegate or abdicate the responsibility of determining the system of record, ignore or disregard the input from key stakeholders, or assume or impose a default system of record without considering the data quality and business needs.

### NEW QUESTION # 201

Universal Container has a Sales Cloud implementation for a sales team and an enterprise resource planning (ERP) as a customer master Sales team are complaining about duplicate account and data quality issues with account data.

Which two solutions should a data architect recommend to resolve the complaints?

- A. Build a nightly batch job to de-dupe data, and merge account records.
- B. Build a nightly sync job from ERP to Salesforce.
- C. Implement a de-dupe solution and establish account ownership in Salesforce
- D. Integrate Salesforce with ERP, and make ERP as system of truth.

### Answer: C,D

Explanation:

Integrating Salesforce with ERP and making ERP the system of truth (option B) and implementing a de-dupe solution and establishing account ownership in Salesforce (option D) are the two solutions that a data architect should recommend to resolve the complaints. Option B ensures that account data is consistent and accurate across both systems, while option D prevents duplicate records and clarifies who owns each account in Salesforce. Building a nightly batch job to de-dupe data and merge account records (option A) is not a good solution, as it does not address the root cause of the duplication and may result in data loss or conflicts. Building a nightly sync job from ERP to Salesforce (option C) is also not sufficient, as it does not prevent duplication or establish ownership in Salesforce.

### NEW QUESTION # 202

Universal Containers (UC) is a major supplier of office supplies. Some products are produced by UC and some by other manufacturers. Recently, a number of customers have complained that product descriptions on the invoices do not match the descriptions in the online catalog and on some of the order confirmations (e.g., "ballpoint pen" in the catalog and "pen" on the invoice, and item color labels are inconsistent: "what vs. "White" or "blk" vs. "Black"). All product data is consolidated in the company data warehouse and pushed to Salesforce to generate quotes and invoices. The online catalog and webshop is a Salesforce Customer Community solution. What is a correct technique UC should use to solve the data inconsistency?

- A. Add custom fields to the Product standard object in Salesforce to store data from the different source systems.
- B. Change integration to let product master systems update product data directly in Salesforce via the Salesforce API.
- C. Build Apex Triggers in Salesforce that ensure products have the correct names and labels after data is loaded into Salesforce.
- D. Define a data taxonomy for product data and apply the taxonomy to the product data in the data warehouse.

**Answer: D**

Explanation:

A correct technique UC should use to solve the data inconsistency is to define a data taxonomy for product data and apply the taxonomy to the product data in the data warehouse. A data taxonomy is a hierarchical classification of data entities and attributes that defines their meaning, format, and relationships. A data taxonomy can help ensure consistency, accuracy, and completeness of product data across different systems and channels.

#### NEW QUESTION # 203

Universal Containers (UC) is planning to move away from legacy CRM to Salesforce. As part of one-time data migration, UC will need to keep the original date when a contact was created in the legacy system. How should an Architect design the data migration solution to meet this requirement?

- A. Write an Apex trigger on the Contact object, before insert event to set the original value in a standard CreatedDate field.
- B. After the data is migrated, perform an update on all records to set the original date in a standard CreatedDate field.
- C. Create a new field on Contact object to capture the Created Date. Hide the standard CreatedDate field using Field -Level Security.
- D. Enable "Set Audit Fields" and assign the permission to the user loading the data for the duration of the migration.

**Answer: D**

#### NEW QUESTION # 204

Universal Containers (UC) wants to capture information on how data entities are stored within the different applications and systems used within the company. For that purpose, the architecture team decided to create a data dictionary covering the main business domains within UC. Which two common techniques are used building a data dictionary to store information on how business entities are defined?

- A. Use an entity relationship diagram
- B. Use Salesforce Object Query Language.
- C. Use the Salesforce Metadata API.
- D. Use a data definition language.

**Answer: A,C**

Explanation:

A data dictionary is a document that describes the structure, format, and meaning of data entities and attributes. A common technique to build a data dictionary is to use an entity relationship diagram (ERD), which shows the logical relationships between objects and fields in a graphical way. Another technique is to use the Salesforce Metadata API, which allows you to retrieve and deploy the metadata that defines your Salesforce org.

#### NEW QUESTION # 205

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