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Quiz Salesforce - Reliable Plat-Arch-204 - Valid Exam Salesforce Certified Platform Integration Architect Preparation

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Salesforce Plat-Arch-204 Exam Syllabus Topics:

Topic	Details

Topic 1	<ul style="list-style-type: none"> Evaluate the Current System Landscape: This domain covers analyzing existing technical environments to understand current systems, their standards, protocols, limitations, and boundaries, while identifying constraints and authentication authorization requirements.
Topic 2	<ul style="list-style-type: none"> Design Integration Solutions: This domain centers on selecting integration patterns, designing complete solutions with appropriate components, understanding trade-offs and limitations, choosing correct Salesforce APIs, and determining required standards and security mechanisms.
Topic 3	<ul style="list-style-type: none"> Maintain Integration: This domain focuses on monitoring integration performance, defining error handling and recovery procedures, implementing escalation processes, and establishing reporting needs for ongoing integration health monitoring.
Topic 4	<ul style="list-style-type: none"> Build Solution: This domain covers implementing integrations including API design considerations, choosing outbound methods, building scalable solutions, implementing error handling, creating security solutions, and ensuring resilience during system updates.

Salesforce Certified Platform Integration Architect Sample Questions (Q77-Q82):

NEW QUESTION # 77

Universal Containers (UC) is a global financial company that sells financial products and services. There is a daily scheduled Batch Apex job that generates invoices from a given set of orders. UC requested building a resilient integration for this Batch Apex job in case the invoice generation fails. What should an integration architect recommend to fulfill the requirement?

- A. Build Batch Retry and Error Handling in the Batch Apex job itself.
- B. Build Batch Retry and Error Handling in the middleware.
- C. Build Batch Retry and Error Handling using BatchApexErrorEvent.**

Answer: C

Explanation:

Resiliency in long-running Batch Apex processes is best achieved by utilizing modern, event-driven error handling frameworks provided by the Salesforce platform. The BatchApexErrorEvent is the architecturally recommended component for monitoring and responding to failures in Batch Apex jobs.

When a Batch Apex class implements the `Database.RaisesPlatformEvents` interface, the platform automatically publishes a BatchApexErrorEvent whenever an unhandled exception occurs during the execution of a batch. This event contains critical metadata, including the exception message, the stack trace, and the scope (the specific IDs of the records that were being processed when the failure occurred).

An Integration Architect should recommend building a Platform Event Trigger that subscribes to these error events. This trigger can perform sophisticated error handling logic, such as:

- * Logging the failure details into a custom "Integration Error" object for auditing.
- * Initiating a retry logic by re-enqueuing only the failed records into a new batch job.
- * Notifying administrators or external systems via an outbound call or email.

This approach is superior to Option B (internal handling) because unhandled exceptions often cause the entire batch transaction to roll back, potentially losing any error logging performed within the same scope. It is also more efficient than Option C (middleware), as it keeps the error recovery logic "close to the data," reducing the need for external systems to constantly poll for job status or parse complex logs. By using BatchApexErrorEvent, UC ensures a resilient, self-healing process that maintains the integrity of the invoice generation cycle.

NEW QUESTION # 78

Northern Trail Outfitters is in the final stages of merging two Salesforce orgs, but needs to keep the retiring org available for a short period of time for lead management as it is connected to multiple public website forms. The sales department has requested that new leads are available in the new Salesforce instance within 30 minutes. Which approach requires the least amount of development effort?

- A. Use the Composite REST API to aggregate multiple leads in a single call.
- B. Use the Tooling API with Process Builder to insert leads in real time.
- **C. Call the Salesforce REST API to insert the lead into the target system**

Answer: C

Explanation:

In an org merger scenario, a Salesforce Platform Integration Architect must often design interim solutions that balance speed of delivery with minimal development overhead. The requirement here is for leads to be synced within a 30-minute window. This is a relatively low-latency requirement that does not strictly necessitate a real-time, event-driven architecture, which typically requires more complex infrastructure like Platform Events or middleware.

Option A, calling the Salesforce REST API to insert leads into the target system, represents the standard, most straightforward approach. Since both systems are Salesforce orgs, the retiring org can be configured to make an outbound REST call to the new org's standard Lead endpoint. This can be achieved with a small amount of Apex code (such as a trigger or an invocable method called by a Flow). This approach is considered the "least development effort" because it leverages the standard REST API, which is already enabled and authenticated via a Connected App in the target org. It requires no custom API development in the target system and uses standard JSON payloads.

Option B is incorrect because the Tooling API is intended for managing metadata, system settings, and developer tools, not for standard transactional data movement like Lead insertion. Option C, using the Composite REST API, is an optimization technique designed to group multiple requests into a single call to save on API limits. While efficient for high-volume scenarios, it introduces additional development complexity regarding payload construction and bulk error handling that exceeds the "least effort" requirement for a simple Lead sync. Therefore, a standard REST call is the most direct path to meeting the 30-minute SLA with minimal coding.

NEW QUESTION # 79

Considering Salesforce capabilities, what should the integration architect evaluate when integrating Salesforce with the current system landscape?

- A. Integrate Salesforce with Email Management System, Order Management System and Case Management System
- B. Integrate Salesforce with Order Management System, Data Warehouse and Case Management System
- **C. Integrate Salesforce with Data Warehouse, Order Management and Email Management System**

Answer: C

Explanation:

When evaluating a current system landscape for a Salesforce implementation, an Integration Architect's primary goal is to align the platform's native capabilities with the existing architecture to determine which systems will be replaced, retired, or integrated. Based on the provided diagram (image_69c0fd.png), the landscape consists of an Email Management System, an Order Management System, a Case Management System, and a Data Warehouse used for Business Intelligence.

In a scenario where an enterprise is implementing Salesforce to support Case Management (Service Cloud), Salesforce natively provides the robust capabilities required to serve as the new "System of Record" for customer support interactions. Consequently, the legacy Case Management System is typically targeted for retirement. The architect's evaluation therefore focuses on the necessary integration points with the systems that will coexist with the new Salesforce instance to ensure a unified agent experience. As outlined in standard Salesforce Integration Architecture frameworks, the following evaluations are critical:

Order Management System (OMS): Salesforce must integrate with the OMS so that service agents can view real-time order history, shipping status, and line items directly within the Case record, often using patterns like Request-Reply or Data Virtualization.

Email Management System (EMS): To support Omni-Channel service, Salesforce needs to integrate with the EMS (via Email-to-Case or a Marketing Cloud connector) to ensure that all customer communications are captured and tracked against the appropriate Case records.

Data Warehouse: For long-term historical reporting and cross-functional analytics, Salesforce must push its transactional data to the enterprise Data Warehouse. This ensures the Analytics and Business Intelligence Tool can continue to provide a holistic view of company performance.

By selecting Option C, the architect recognizes that Salesforce replaces the legacy case management function while requiring strategic integration with the Data Warehouse, Order Management, and Email Management systems to achieve a true 360-degree view of the customer.

NEW QUESTION # 80

Northern Trail Outfitters (NTO) has a requirement to encrypt a few widely-used standard fields. NTO also wants to be able to use these fields in record-triggered flows.

Which security solution should an integration architect recommend to fulfill the business use case?

- A. Data Masking
- B. Classic Encryption
- C. **Shield Platform Encryption**

Answer: C

Explanation:

To satisfy the requirement of encrypting standard fields while maintaining their functionality within record-triggered flows, Shield Platform Encryption is the recommended architectural solution.¹ Shield Platform Encryption is a modern security layer that allows for encryption at rest while preserving critical platform features. Unlike Classic Encryption (Option B)-which is limited to a specific "Encrypted Text" custom field type and often breaks platform features like search and automation-Shield is designed to work with standard fields such as Name, Email, and Phone.

Key architectural considerations for Shield include:

Compatibility with Automation: Shield fields can be used in Flows, Apex triggers, and validation rules. This allows NTO to implement the required record-triggered business logic without needing to decrypt the data manually in code.

Search and Filtering: By using Deterministic Encryption, Shield allows users to filter and search for records based on encrypted fields, which is often a requirement for "widely-used" standard fields.

Compliance and Governance: Shield provides advanced key management (Bring Your Own Key - BYOK) and auditing, ensuring that NTO meets corporate security guidelines while data is being processed by the platform.

Data Masking (Option C) is primarily used for sandboxes to obfuscate PII during testing and is not a production encryption-at-rest solution. By recommending Shield, the architect provides a transparent security model that protects sensitive data without sacrificing the declarative power of Flow Builder.

NEW QUESTION # 81

Northern Trail Outfitters has had an increase in requests from other business units to integrate opportunity information with other systems from Salesforce. The developers have started writing asynchronous @future callouts directly into the target systems. The CIO is concerned about the viability of this approach and scaling for future growth. What should be done to mitigate the CIO's concerns?

- A. **Implement an Enterprise Service Bus for service orchestration, mediation, routing, and decouple dependencies across systems.¹⁰**
- B. Implement an extract, transform, load (ETL) tool and perform nightly batch data loads to reduce network traffic.
- C. Refactor the existing @future methods to use Enhanced External Services, import Open API 2.0 schemas, and update flows to use services instead of Apex.⁷⁸

Answer: A

Explanation:

The CIO's concern regarding "viability" and "scaling" is rooted in the risks associated with tightly coupled, point-to-point integrations. Using @future methods for direct callouts creates a "spaghetti" architecture where Salesforce must manage the specific endpoints, authentication, and error logic for every external system.

The architect should recommend implementing an Enterprise Service Bus (ESB). An ESB acts as a centralized middleware layer that provides mediation, routing, and orchestration. By moving the integration logic to an ESB, Salesforce only needs to send a single message to the bus. The ESB then takes responsibility for delivering that data to multiple business units and external systems. This decouples Salesforce from the downstream systems; if a target system changes its API or is replaced, only the ESB configuration needs to be updated, not the Salesforce Apex code.

While External Services (Option A) provide a low-code way to call APIs, they still represent point-to-point connections and do not solve the broader orchestration and scaling challenges. ETL tools (Option C) are designed for bulk data movement and would not satisfy the need for the near real-time updates that the existing callout logic likely supports. An ESB provides the "quality of service" features-such as guaranteed delivery, retries, and protocol transformation-that are necessary for a growing enterprise to maintain a stable and scalable integration landscape.

NEW QUESTION # 82

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