

You Need to Trust Salesforce Plat-Arch-204 Exam Questions



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Salesforce Plat-Arch-204 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Translate Needs to Integration Requirements: This domain involves converting business needs into technical specifications by documenting systems and patterns, evaluating constraints, defining security requirements, and determining performance needs like volumes, response times, and latency.
Topic 2	<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 authenticationauthorization requirements.
Topic 3	<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.

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Salesforce Certified Platform Integration Architect Sample Questions (Q129-Q134):

NEW QUESTION # 129

Salesforce is considered to be the system of record for the customer. UC plans on using middleware to integrate Salesforce with external systems (ERP, ticketing, data lake). UC has a requirement to update the proper external system with record changes in Salesforce and vice versa. Which solution should an integration architect recommend?

- A. Use Change Data Capture to update downstream systems accordingly when a record changes.
- B. **Store unique identifiers in an External ID field in Salesforce and use this to update the proper records across systems.**
- C. Locally cache external IDs at the middleware layer and design business logic to map updates between systems.

Answer: B

Explanation:

In a multi-system landscape, maintaining data synchronization requires a robust Identity Mapping strategy. The standard Salesforce architectural recommendation is to use External ID fields to store the unique identifiers from each secondary system.

By storing the ERP ID, Ticketing ID, and Data Lake ID as External IDs in Salesforce, the middleware can perform upsert operations without needing to first query Salesforce for its internal ID. This reduces the number of API calls and simplifies the integration logic. Conversely, when Salesforce pushes a change to the ERP, it sends the stored ERP ID, allowing the ERP to instantly identify the correct target record.

Option B (Caching at the middleware) is a high-maintenance "anti-pattern" that introduces a new point of failure if the cache goes out of sync with the actual systems. Option C (Change Data Capture) is a mechanism for notifying systems of changes, but it does not solve the underlying identity mapping problem. Using External IDs creates a stable, searchable, and performant cross-reference that is the backbone of any successful "hub-and-spoke" integration architecture.

NEW QUESTION # 130

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 using BatchApexErrorEvent.**
- C. Build Batch Retry and Error Handling in the middleware.

Answer: B

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 # 131

An enterprise customer with more than 10 million customers has a landscape including an Enterprise Billing System (EBS), a Document Management System (DMS), and Salesforce CRM. Customer Support needs seamless access to customer billing information from the EBS and generated bills from the DMS. Which authorization and authentication need should an integration consultant consider while integrating the DMS and EBS with Salesforce?

- A. Consider Enterprise security needs for access to DMS and EBS.
- B. Identify options to maintain DMS and EBS authentication and authorization details in Salesforce.
- C. Consider options to migrate DMS and EBS into Salesforce.

Answer: A

Explanation:

When integrating Salesforce with high-security enterprise systems like an Enterprise Billing System (EBS) and a Document Management System (DMS), the primary architectural concern is respecting the Enterprise security needs for access control. These systems often contain highly sensitive financial data and are governed by strict regulatory requirements (e.g., PCI-DSS or GDPR). The integration consultant must evaluate how to extend existing enterprise identity and authorization policies to Salesforce users. This often involves a Identity Federation strategy using protocols like SAML 2.0 or OpenID Connect. Instead of maintaining separate credentials in Salesforce (which Option A suggests and is generally an "anti-pattern" for 10 million records), the consultant should consider using a central Identity Provider (IdP).

By considering enterprise security needs, the architect ensures that when a support agent clicks a link in Salesforce to view a bill, the request is authenticated against the enterprise's security gateway. This allows for Single Sign-On (SSO) while ensuring that authorization (who can see what) remains mastered in the source systems or the central IdP. Migration (Option C) is physically and technically unfeasible for systems handling 10 million customers' historical bills and real-time processing. The focused objective is to build a "window" into these systems from Salesforce while maintaining the integrity of the enterprise's existing security perimeter.

NEW QUESTION # 132

A company needs to integrate a legacy on-premise application that can only support SOAP API. After the integration architect evaluates the requirements and volume, they determine that the Fire and Forget integration pattern will be most appropriate for sending data from Salesforce to the external application and getting response back in a strongly-typed format.

Which integration capabilities should be used to integrate the two systems?

- A. Outbound Messaging for Salesforce to Legacy System direction and SOAP API using Enterprise WSDL for the communication back from legacy system to Salesforce
- B. Outbound Messaging for Salesforce to Legacy System direction and SOAP API using Partner Web Services Description Language (WSDL) for the communication back from legacy system to Salesforce
- C. Platform Events for Salesforce to Legacy System direction and SOAP API using Enterprise WSDL for the communication back from legacy system to Salesforce

Answer: A

Explanation:

When integrating with a legacy SOAP-only application using a Fire and Forget pattern, Salesforce Outbound Messaging is the native, declarative choice.

Outbound Messaging is a platform feature that sends a SOAP message to a designated endpoint when specific criteria are met. It is inherently asynchronous and provides built-in reliability; if the legacy system is offline, Salesforce will automatically retry the delivery for up to 24 hours. This perfectly fits the "Fire and Forget" requirement.

For the strongly-typed response back (Remote Call-In), the Enterprise WSDL is the correct recommendation. 1415 Enterprise WSDL: This is a strongly-typed WSDL generated specifically for one org's metadata. It includes specific references to 16 custom objects and fields, ensuring that the legacy system can communicate with Salesforce using a rigid, predictable data structure. Partner WSDL (Option C): This is a loosely-typed WSDL designed for developers building tools that must work across many different orgs; it is not ideal for an internal, strongly-typed legacy integration.

While Platform Events (Option B) are a modern alternative, they typically use REST or Streaming APIs, making them a less natural fit for an application that "can only support SOAP". By combining Outbound Messaging and the Enterprise WSDL, the architect provides a robust, SOAP-native solution that satisfies the business's technical constraints and reliability requirements.

NEW QUESTION # 133

Which Web Services Description Language (WSDL) should an architect consider when creating an integration that might be used for more than one Salesforce org and different metadata?

- A. Enterprise WSDL
- B. SOAP API WSDL
- C. Partner WSDL

Answer: C

Explanation:

In the world of Salesforce SOAP APIs, the choice of WSDL depends on the nature of the application being built. When an architect needs to build an integration that is org-agnostic-meaning it can work across multiple different Salesforce organizations with varying custom objects and fields-the Partner WSDL is the correct choice.

The Partner WSDL is loosely-typed. It does not contain information about an org's specific custom metadata; instead, it uses a generic sObject structure. This allows a single client application (like a third-party integration tool or a mobile app) to connect to any Salesforce org and dynamically discover its schema at runtime. Because it is not tied to a specific org's metadata, it does not need to be regenerated every time a custom field is added to one of the target orgs.

In contrast, Option A (Enterprise WSDL) is strongly-typed. It is generated specifically for one org and contains hard-coded references to that org's custom objects and fields. While this provides better compile-time safety for internal, single-org integrations, it is unsuitable for an application intended for "more than one Salesforce org" because the WSDL would be invalid for any org that doesn't have the exact same metadata. Option C is a general term; the actual choices provided by Salesforce for integration are the Partner or Enterprise WSDLs. Therefore, for maximum flexibility and reusability across a multi-org landscape, the Partner WSDL is the industry standard.

NEW QUESTION # 134

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