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Salesforce Plat-Arch-204 Exam Syllabus Topics:

| Topic | Details |
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| 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">• 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">• 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. |
| Topic 4 | <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. |
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| Topic 5 | <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. |
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>> Latest Plat-Arch-204 Test Practice <<

100% Pass 2026 Salesforce High Pass-Rate Plat-Arch-204: Latest Salesforce Certified Platform Integration Architect Test Practice

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

NEW QUESTION # 77

Universal Containers (UC) is decommissioning its legacy CRM system and migrating data to Salesforce. The data migration team asked for a recommendation to optimize the performance of the data load. Which approach should be used to meet the requirement?

- A. Contact Salesforce Support to schedule performance load.
- B. Use Bulk API to process jobs in serial mode.
- C. Use Bulk API to process jobs in parallel mode.

Answer: C

Explanation:

For large-scale data migrations, the Bulk API is the primary architectural tool for high-performance loading. To maximize throughput and "optimize performance," the architect should recommend processing jobs in parallel mode.

In parallel mode, Salesforce processes multiple batches of a job simultaneously, taking advantage of the multi-tenant platform's concurrent processing capabilities. This significantly reduces the total time required for a massive data migration compared to serial mode (Option B), which processes batches one by one.

However, the architect must warn the team about potential lock contention. If multiple parallel batches attempt to update the same parent record or participate in complex sharing calculations at the same time, "Unable to lock row" errors may occur. To mitigate this while maintaining parallel speed, the data should be sorted by Parent ID to ensure that batches do not overlap on the same records. Option A is rarely necessary for standard migrations unless the volume exceeds extreme thresholds. Parallel Bulk API is the standard "best practice" for ensuring the migration completes within the allotted cutover window.

NEW QUESTION # 78

A company that is a leading provider of courses and training delivers courses using third-party trainers. The trainer for the company has to be verified by 10 different training accreditation verification agencies before providing training for the company. Each training accreditation agency has its own response time, which means it could take days to confirm a trainer. The company decided to automate the trainer accreditation verification process by integrating it with the agency's web services. What is the recommended approach to automate this process?

- A. Use middleware to handle the callout to the 10 different verification services; the middleware will handle the business logic of consolidating the verification results from the 10 services. Then, make a call-in to Salesforce and update the verification status to "verified".
- B. Make an Apex callout using @future annotation to make the callout to all different agencies.
- C. Use Salesforce External Service to make the callout; Salesforce External Service should check the verification agencies until the result is verified. Then, update the trainer status to "verified".

Answer: A

Explanation:

In this scenario, the primary architectural challenge is managing high-latency, multi-step orchestration involving 10 disparate external systems. Each agency has a varying response time that can span several days, making a synchronous "Request-Reply" pattern within Salesforce technically impossible due to transaction timeout limits (maximum 120 seconds).

The recommended approach is to leverage Middleware as the orchestration and state-management layer. Middleware (such as an ESB or iPaaS) is specifically designed for Process Choreography. Salesforce initiates a single "Fire and Forget" request to the middleware. The middleware then takes responsibility for:

Sequential or Parallel Callouts: Initiating the requests to all 10 verification agencies.

Callback Management: Handling the asynchronous responses from each agency as they arrive over a period of days.

Aggregation Logic: Consolidating the results and determining when the "Business Process" is complete (e.g., all 10 agencies have approved).

Once the consolidation logic is satisfied, the middleware performs a Remote Call-In to the Salesforce REST API to update the trainer's record. This pattern keeps Salesforce "clean" by moving complex, long-running orchestration logic off-platform, preventing the consumption of excessive Apex CPU time and ensuring that Salesforce only receives a single, final status update.

Option B (External Services) is unsuitable for a multi-day asynchronous process as it is designed for real-time, synchronous Flow actions. Option C (@future) is restricted by the same 120-second timeout and cannot handle the "waiting" state required for days of verification. Using middleware provides the necessary Quality of Service (QoS), durability, and error handling required for such a critical enterprise compliance process.

NEW QUESTION # 79

A global financial company with a core banking system processing 1 million transactions per day wants to build a community portal. Customers need to review their bank account details and transactions. What should an integration architect recommend to enable community users to view their financial transactions?

- A. Use Iframe to display core banking financial transactions data in the customer community.
- B. Use Salesforce Connect to display the financial transactions as an external object.

Answer: B

Explanation:

When dealing with high-volume data (1 million transactions per day) that does not need to be stored natively in Salesforce, the architect should recommend Data Virtualization via Salesforce Connect.

Salesforce Connect allows the company to display external data as External Objects. This approach provides several architectural advantages for a banking community:

No Data Storage: Transactions remain in the core banking system, avoiding the massive storage costs and complex synchronization logic required to house millions of records natively in Salesforce.

Real-Time Visibility: Because External Objects are queried on-demand via the OData protocol or a custom Apex adapter, customers see the most up-to-date transaction history every time they refresh the page.

While an Iframe (Option A) is technically possible, it is often discouraged due to security concerns (such as clickjacking) and a poor user experience, as the Iframe does not natively integrate with Salesforce UI components or reporting. Salesforce Connect provides a "seamless" look and feel, allowing External Objects to be used in related lists and Lightning components just like standard Salesforce records, while keeping the heavy data burden on the performant core banking system.

NEW QUESTION # 80

An enterprise architect has requested the Salesforce integration architect to review the following (see diagram and description) and provide recommendations after carefully considering all constraints of the enterprise systems and Salesforce Platform limits.

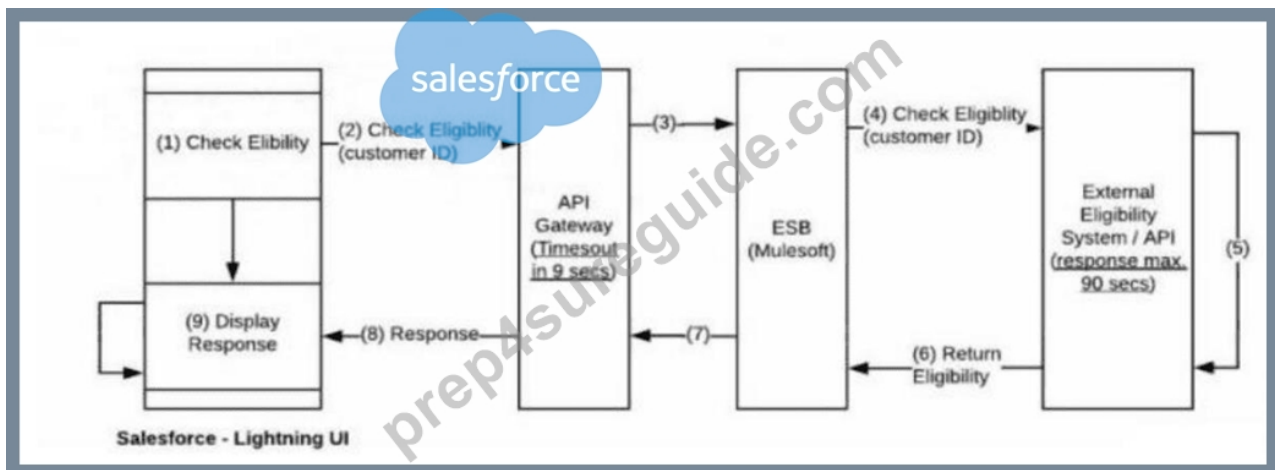
About 3,000 phone sales agents use a Salesforce Lightning user interface (UI) concurrently to check eligibility of a customer for a qualifying offer.

There are multiple eligibility systems that provide this service and are hosted externally.

However, their current response times could take up to 90 seconds to process and return (there are discussions to reduce the response times in the future, but no commitments are made).

These eligibility systems can be accessed through APIs orchestrated via ESB (MuleSoft).

All requests from Salesforce will have to traverse through the customer's API Gateway layer, and the API Gateway imposes a constraint of timing out requests after 9 seconds.



Which recommendation should the integration architect make?

- A. Recommend synchronous Apex callouts from Lightning UI to External Systems via Mule and implement polling on an API Gateway timeout.
- B. Use Continuation callouts to make the eligibility check request from Salesforce Lightning UI at page load.
- C. Create a platform event in Salesforce via Remote Call-In and use the empAPI in the Lightning UI to serve 3,000 concurrent users when responses are received by Mule.

Answer: C

Explanation:

The primary architectural challenge in this scenario is the massive discrepancy between the backend response time (up to 90 seconds) and the API Gateway timeout constraint (9 seconds). In any synchronous integration pattern, the connection must remain open across the entire path; if the API Gateway closes the connection at 9 seconds, a standard Salesforce "Request-Reply" callout will fail long before the 90-second eligibility check is complete.

Option A is non-viable because synchronous polling at a high scale (3,000 concurrent users) would likely hit Salesforce concurrent request limits and place an immense, unnecessary load on the API Gateway. Option B, using Continuation, is designed to handle long-running callouts (up to 120 seconds) without blocking Salesforce threads, but it still requires the external connection path to remain open. It does not bypass the 9-second timeout imposed by the customer's API Gateway.

The optimal recommendation is Option C, which implements an Asynchronous Request-Reply pattern using Platform Events and the empAPI.12 Request Phase: The Salesforce UI initiates the request. To bypass the 9-second gateway timeout, the ESB (MuleSoft) should be configured to receive the request3 and immediately return an acknowledgment (e.g.,4 HTTP 202 Accepted). This allows the initial Salesforce callout to complete successfully within the 9-second window.56 Processing Phase: MuleSoft then proceeds with the long-running (up to 90 seconds) call to the external eligibility systems.78 Callback Phase (Remote Call-In)9: Once the eligibility result is received, MuleSoft calls back into Salesforce via the REST API to publish a Platform Event containing the result.10 UI Update (empAPI11PI): The 3,000 sales agents' browsers, having subscribed to the event channel using the empAPI (Lightning's built-in library for streaming events), receive the notification in real-time. The UI then updates to display the "Display Response" step. This event-driven architecture effectively "insulates" Salesforce and the API Gateway from the backend's high latency, ensures scalability for 3,000 concurrent users, and provides a seamless, real-time user experience without hitting governor limits or timeout constraints.

NEW QUESTION # 81

Northern Trail Outfitters (NTO) has an affiliate company that would like immediate notifications of changes to opportunities in the NTO Salesforce Instance. The affiliate company has a CometD client available. Which solution is recommended in order to meet the requirement?

- A. Create a Push Topic update event on the Opportunity object to allow the subscriber to react to the streaming API.
- B. Implement a polling mechanism in the client that calls the SOAP API getUpdated method to get the ID values of each updated record.
- C. Create a connected app in the affiliate org and select "Accept CometD API Requests".

Answer: A

Explanation:

To provide near real-time notifications to a client that already supports CometD, an Integration Architect should leverage the Streaming API. While Platform Events are a modern alternative, PushTopic Events are specifically designed to stream changes to

Option A is incorrect because "Accept CometD API Requests" is not a standard checkbox or configuration within a Connected App; authentication is handled via standard OAuth flows, but the streaming channel must still be defined. Option C describes a Polling mechanism, which is the architectural opposite of the requested "immediate notification" and would unnecessarily consume SOAP API limits while introducing latency. By using a PushTopic, NTO ensures a decoupled, event-driven architecture that scales effectively for notification-only use cases while respecting the technical capabilities of the affiliate's existing CometD-compatible infrastructure.

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