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>> Hot Plat-Arch-204 Questions <<

## Plat-Arch-204 Reliable Test Syllabus - Actual Plat-Arch-204 Test

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## Salesforce Plat-Arch-204 Exam Syllabus Topics:

Topic	Details

Topic 1	<ul style="list-style-type: none"> <li>• Evaluate Business Needs: This domain addresses gathering functional and non-functional requirements, classifying data by sensitivity, identifying CRM success factors, and understanding how business growth and regulations impact integration choices.</li> </ul>
Topic 2	<ul style="list-style-type: none"> <li>• 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.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>• 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</li> <li>• authorization requirements.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>• 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.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>• 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.</li> </ul>

## Salesforce Certified Platform Integration Architect Sample Questions (Q57-Q62):

### NEW QUESTION # 57

Northern Trail Outfitters is planning to perform nightly batch loads into Salesforce from an external system with a custom Java application using the Bulk API. The CIO is curious about monitoring recommendations for the jobs from the technical architect. Which recommendation should help meet the requirements?

- A. Use the `getBatchInfo` method in the Java application to monitor the status of the jobs from the Java application.
- B. Set the Salesforce debug logs level to "finest", and add the user ID running the job to monitor in the "Debug Logs" in the setup menu.
- C. Write the error response from the Bulk API status to a custom error logging object in Salesforce using an Apex trigger, and create reports on the object.

**Answer: A**

Explanation:

For high-volume data loads using the Bulk API, monitoring should be performed programmatically by the orchestrating client—in this case, the custom Java application. The Bulk API is asynchronous, meaning that when you submit a job, Salesforce acknowledges the request and processes it in the background.

The Java application must actively track the state of its own jobs. Using the `getBatchInfo` (or `getJobInfo` in Bulk API 2.0) method allows the application to retrieve the real-time status of each batch. The application can check for statuses such as `Queued`, `InProgress`, `Completed`, or `Failed`. Once a batch is marked as `Completed`, the application can then call `getBatchResult` to retrieve a list of successes and failures for individual records.

Option B is architecturally unsound because Bulk API operations are designed to bypass most synchronous Apex logic to ensure performance; furthermore, creating custom records for every error in a "nightly batch load" would likely hit other platform limits (like storage or CPU) and defeat the purpose of using the Bulk API. Option C is ineffective for Bulk API monitoring, as debug logs do not capture the background processing of bulk batches and would quickly hit the log size limits.

By recommending Option A, the architect ensures that the Java application maintains full control over the integration lifecycle. The application can log errors locally, implement automated retries for transient failures, and provide the CIO with accurate, high-level reporting on the success rate of the nightly loads without placing unnecessary overhead on the Salesforce platform.

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### NEW QUESTION # 58

A company needs to send data from Salesforce to a homegrown system behind a corporate firewall. The data is pushed one way, doesn't need to be real-time, and averages 2 million records per day. What should an integration architect consider?

- A. Due to high volume of records, the external system will need to use a BULK API Rest endpoint to connect to Salesforce.
- **B. Due to high volume of records, a third-party integration tool is required to stage records off platform.**
- C. Due to high volume of records, number of concurrent requests can hit the limit for the REST API.

**Answer: B**

Explanation:

With a volume of 2 million records per day, this integration exceeds the practical limits of standard near-real-time patterns like Outbound Messaging or synchronous Apex Callouts. Sending 2 million individual REST requests would likely exhaust the daily API limit and could cause significant performance degradation in Salesforce due to transaction overhead.

An Integration Architect must recommend an Asynchronous Batch Data Synchronization pattern, typically facilitated by a third-party ETL/Middleware tool (e.g., MuleSoft, Informatica, or Boomi). Staging the records off-platform is essential for several reasons:

**Throttling:** The homegrown system behind a firewall may not be able to handle a massive, sudden burst of 2 million records. A middleware tool can ingest the data from Salesforce and "drip-feed" it into the target system at an acceptable rate.

**Error Handling and Retries:** Middleware provides sophisticated persistence and "Dead Letter Queues" to ensure that if the homegrown system goes offline, no data is lost.

**API Efficiency:** The middleware can use the Salesforce Bulk API 2.0 to extract the data in large chunks, which is significantly more efficient than individual REST calls and consumes far fewer API limits.

Option A is a valid concern but is a symptom of the wrong choice of tool (REST). Option B describes an inbound integration to Salesforce, whereas the requirement is outbound. By utilizing a third-party tool to stage and manage the 2 million record flow, the architect ensures that the integration is scalable, respects the corporate firewall constraints (via a secure agent or VPN), and maintains the performance of the Salesforce production environment.

#### NEW QUESTION # 59

What is the first thing an integration architect should validate if a callout from a Lightning web component to an external endpoint is failing?

- A. The endpoint URL has been added to Remote Site Settings.
- B. The endpoint domain has been added to Cross-Origin Resource Sharing.
- **C. The endpoint URL has been added to Content Security Policies.**

**Answer: C**

Explanation:

When an integration callout initiated from a Lightning Web Component (LWC) fails, the architect must distinguish between client-side and server-side security layers. Unlike Apex callouts, which are governed by Remote Site Settings at the server level, LWC requests originate directly from the user's browser. Consequently, they are subject to the browser's Content Security Policy (CSP). CSP is a security layer that helps detect and mitigate certain types of attacks, including Cross-Site Scripting (XSS) and data injection attacks. It prevents a website from loading content from a third party unless that domain is explicitly safe-listed. If an LWC attempts to connect to an external API endpoint that is not listed in the CSP Trusted Sites in Salesforce Setup, the browser will block the request before it is even sent, often returning a "Refused to connect because it violates the document's Content Security Policy" error. While Cross-Origin Resource Sharing (CORS) is also a browser-level security mechanism, it must be configured on the external server to allow the browser to access its resources; however, the first validation step within the Salesforce environment for a failing LWC callout is ensuring the domain is allowed by the org's CSP.

#### NEW QUESTION # 60

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 parallel mode.**
- C. Use Bulk API to process jobs in serial mode.

**Answer: B**

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 # 61

Universal Containers (UC) is a leading provider of management training globally. UC embarked on a Salesforce transformation journey to allow students to register for courses in the Salesforce Community. UC has a learning system that masters all courses and student registration. UC requested a near real-time feed of student registration from Salesforce to the learning system. The integration architect recommends using Salesforce Platform Events. Which API should be used for the Salesforce platform event solution?

- A. REST API
- B. SOAP API
- C. Streaming API

**Answer: C**

Explanation:

Salesforce Platform Events are built on top of a highly scalable, event-driven messaging architecture designed to enable real-time communication between apps. To consume these events from outside Salesforce—such as from a legacy learning system—clients must use the Streaming API.

The Streaming API is the technical foundation for receiving event notifications in a Publish/Subscribe model. It utilizes the CometD protocol or the newer gRPC-based Pub/Sub API to maintain a persistent connection between the external client and Salesforce. When a student registers for a course in the Salesforce Community, a Platform Event is "published" to the event bus. The learning system, acting as a "subscriber," remains connected via the Streaming API and receives the event message instantly without needing to poll Salesforce for updates.

This architecture is ideal for "near real-time" requirements because it eliminates the overhead of traditional point-to-point integrations. While the REST and SOAP APIs (Options A and B) can be used to publish events into Salesforce, they are not designed to receive unsolicited notifications from the platform. By using the Streaming API, the integration architect ensures the solution is both responsive and efficient, as Salesforce only pushes data when a relevant event occurs. Furthermore, because Platform Events provide a retention window, the Streaming API allows the learning system to use a Replay ID to catch up on any registration events missed during a brief network outage.

### NEW QUESTION # 62

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