Appian ACD301인증시험

Fast2test의 Appian인증 ACD301덤프를 공부하여Appian인증 ACD301시험을 패스하는건 아주 간단한 일입니다.저희 사이트에서 제작한Appian인증 ACD301덤프공부가이드는 실제시험의 모든 유형과 범위가 커버되어있어 높은 적중율을 자랑합니다.시험에서 불합격시 덤프비용은 환불신청 가능하기에 안심하고 시험준비하시면 됩니다.

Appian ACD301 시험요강:

주제	소개
주제 1	• Project and Resource Management: This section of the exam measures skills of Agile Project Leads and covers interpreting business requirements, recommending design options, and leading Agile teams through technical delivery. It also involves governance, and process standardization.
주제 2	• Proactively Design for Scalability and Performance: This section of the exam measures skills of Application Performance Engineers and covers building scalable applications and optimizing Appian components for performance. It includes planning load testing, diagnosing performance issues at the application level, and designing systems that can grow efficiently without sacrificing reliability.

주제 3	• Platform Management: This section of the exam measures skills of Appian System Administrators and covers the ability to manage platform operations such as deploying applications across environments, troubleshooting platform-level issues, configuring environment settings, and understanding platform architecture. Candidates are also expected to know when to involve Appian Support and how to adjust admin console configurations to maintain stability and performance.
주제 4	• Application Design and Development: This section of the exam measures skills of Lead Appian Developers and covers the design and development of applications that meet user needs using Appian functionality. It includes designing for consistency, reusability, and collaboration across teams. Emphasis is placed on applying best practices for building multiple, scalable applications in complex environments.

최신 Lead Developer ACD301 무료샘플문제 (Q39-Q44):

질문 # 39
You need to connect Appian with LinkedIn to retrieve personal information about the users in your application. This information is considered private, and users should allow Appian to retrieve their information. Which authentication method would you recommend to fulfill this request?

- A. API Key Authentication
- B. Basic Authentication with dedicated account's login information
- C. OAuth 2.0: Authorization Code Grant
- D. Basic Authentication with user's login information

정답：C

설명：
Comprehensive and Detailed In-Depth Explanation:
As an Appian Lead Developer, integrating with an external system like LinkedIn to retrieve private user information requires a secure, user-consented authentication method that aligns with Appian's capabilities and industry standards. The requirement specifies that users must explicitly allow Appian to access their private data, which rules out methods that don't involve user authorization. Let's evaluate each option based on Appian's official documentation and LinkedIn's API requirements:
A . API Key Authentication:
API Key Authentication involves using a single static key to authenticate requests. While Appian supports this method via Connected Systems (e.g., HTTP Connected System with an API key header), it's unsuitable here. API keys authenticate the application, not the user, and don't provide a mechanism for individual user consent. LinkedIn's API for private data (e.g., profile information) requires per-user authorization, which API keys cannot facilitate. Appian documentation notes that API keys are best for server-to-server communication without user context, making this option inadequate for the requirement.
B . Basic Authentication with user's login information:
This method uses a username and password (typically base64-encoded) provided by each user. In Appian, Basic Authentication is supported in Connected Systems, but applying it here would require users to input their LinkedIn credentials directly into Appian. This is insecure, impractical, and against LinkedIn's security policies, as it exposes user passwords to the application. Appian Lead Developer best practices discourage storing or handling user credentials directly due to security risks (e.g., credential leakage) and maintenance challenges. Moreover, LinkedIn's API doesn't support Basic Authentication for user-specific data access-it requires OAuth 2.0. This option is not viable.
C . Basic Authentication with dedicated account's login information:
This involves using a single, dedicated LinkedIn account's credentials to authenticate all requests. While technically feasible in Appian's Connected System (using Basic Authentication), it fails to meet the requirement that "users should allow Appian to retrieve their information." A dedicated account would access data on behalf of all users without their individual consent, violating privacy principles and LinkedIn's API terms. LinkedIn restricts such approaches, requiring user-specific authorization for private data.

Appian documentation advises against blanket credentials for user-specific integrations, making this option inappropriate.
D . OAuth 2.0: Authorization Code Grant:
This is the recommended choice. OAuth 2.0 Authorization Code Grant, supported natively in Appian's Connected System framework, is designed for scenarios where users must authorize an application (Appian) to access their private data on a third-party service (LinkedIn). In this flow, Appian redirects users to LinkedIn's authorization page, where they grant permission. Upon approval, LinkedIn returns an authorization code, which Appian exchanges for an access token via the Token Request Endpoint. This token enables Appian to retrieve private user data (e.g., profile details) securely and per user. Appian's documentation explicitly recommends this method for integrations requiring user consent, such as LinkedIn, and provides tools like a!authorizationLink() to handle authorization failures gracefully. LinkedIn's API (e.g., v2 API) mandates OAuth 2.0 for personal data access, aligning perfectly with this approach.
Conclusion: OAuth 2.0: Authorization Code Grant (D) is the best method. It ensures user consent, complies with LinkedIn's API requirements, and leverages Appian's secure integration capabilities. In practice, you'd configure a Connected System in Appian with LinkedIn's Client ID, Client Secret, Authorization Endpoint (e.g., https://www.linkedin.com/oauth/v2/authorization), and Token Request Endpoint (e.g., https://www.linkedin.com/oauth/v2/accessToken), then use an Integration object to call LinkedIn APIs with the access token. This solution is scalable, secure, and aligns with Appian Lead Developer certification standards for third-party integrations.
Reference:
Appian Documentation: "Setting Up a Connected System with the OAuth 2.0 Authorization Code Grant" (Connected Systems).
Appian Lead Developer Certification: Integration Module (OAuth 2.0 Configuration and Best Practices).
LinkedIn Developer Documentation: "OAuth 2.0 Authorization Code Flow" (API Authentication Requirements).

질문 # 40
You are tasked to build a large-scale acquisition application for a prominent customer. The acquisition process tracks the time it takes to fulfill a purchase request with an award.
The customer has structured the contract so that there are multiple application development teams.
How should you design for multiple processes and forms, while minimizing repeated code?

- A. Create a common objects application.
- B. Create duplicate processes and forms as needed.
- C. Create a Center of Excellence (CoE).
- D. Create a Scrum of Scrums sprint meeting for the team leads.

정답：A

설명:
Comprehensive and Detailed In-Depth Explanation:As an Appian Lead Developer, designing a large-scale acquisition application with multiple development teams requires a strategy to manage processes, forms, and code reuse effectively. The goal is to minimize repeated code (e.g., duplicate interfaces, process models) while ensuring scalability and maintainability across teams. Let's evaluate each option:
* A. Create a Center of Excellence (CoE):A Center of Excellence is an organizational structure or team focused on standardizing practices, training, and governance across projects. While beneficial for long- term consistency, it doesn't directly address the technical design of minimizing repeated code for processes and forms. It's a strategic initiative, not a design solution, and doesn't solve the immediate need for code reuse. Appian's documentation mentions CoEs for governance but not as a primary design approach, making this less relevant here.
* B. Create a common objects application:This is the best recommendation. In Appian, a "common objects application" (or shared application) is used to store reusable components like expression rules, interfaces, process models, constants, and data types (e.g., CDTs). For a large-scale acquisition application with multiple teams, centralizing shared objects (e.g., rule!CommonForm, pm! CommonProcess) ensures consistency, reduces duplication, and simplifies maintenance. Teams can reference these objects in their applications, adhering to Appian's design best practices for scalability.
This approach minimizes repeated code while allowing team-specific customizations, aligning with Lead Developer standards for large projects.
* C. Create a Scrum of Scrums sprint meeting for the team leads:A Scrum of Scrums meeting is a coordination mechanism for Agile teams, focusing on aligning sprint goals and resolving cross-team dependencies. While useful for collaboration, it doesn't address the technical design of minimizing repeated code-it's a process, not a solution for codereuse. Appian's Agile methodologies support such meetings, but they don't directly reduce duplication in processes and forms, making this less applicable.
* D. Create duplicate processes and forms as needed:Duplicating processes and forms (e.g., copying interface!PurchaseForm for each team) leads to redundancy, increased maintenance effort, and potential inconsistencies (e.g., divergent logic). This contradicts the goal of minimizing repeated code and violates Appian's design principles for reusability and efficiency. Appian's documentation strongly discourages duplication, favoring shared objects instead, making this the least effective option.
Conclusion: Creating a common objects application (B) is the recommended design. It centralizes reusable processes, forms, and

other components, minimizing code duplication across teams while ensuring consistency and scalability for the large-scale acquisition application. This leverages Appian's application architecture for shared resources, aligning with Lead Developer best practices for multi-team projects.
References:
* Appian Documentation: "Designing Large-Scale Applications" (Common Application for Reusable Objects).
* Appian Lead Developer Certification: Application Design Module (Minimizing Code Duplication).
* Appian Best Practices: "Managing Multi-Team Development" (Shared Objects Strategy).
To build a large scale acquisition application for a prominent customer, you should design for multiple processes and forms, while minimizing repeated code. One way to do this is to create a common objects application, which is a shared application that contains reusable components, such as rules, constants, interfaces, integrations, or data types, that can be used by multiple applications. This way, you can avoid duplication and inconsistency of code, and make it easier to maintain and update your applications. You can also use the common objects application to define common standards and best practices for your application development teams, such as naming conventions, coding styles, or documentation guidelines. Verified References: [Appian Best Practices], [Appian Design Guidance]

질문 # 41
You are required to create an integration from your Appian Cloud instance to an application hosted within a customer's self-managed environment.
The customer's IT team has provided you with a REST API endpoint to test with: https://internal.network/api/api/ping.
Which recommendation should you make to progress this integration?

- A. Add Appian Cloud's IP address ranges to the customer network's allowed IP listing.
- B. Set up a VPN tunnel.
- C. Deploy the API/service into Appian Cloud.
- D. Expose the API as a SOAP-based web service.

정답： B

설명:
Comprehensive and Detailed In-Depth Explanation:
As an Appian Lead Developer, integrating an Appian Cloud instance with a customer's self-managed (on-premises) environment requires addressing network connectivity, security, and Appian's cloud architecture constraints. The provided endpoint (https://internal.network/api/api/ping) is a REST API on an internal network, inaccessible directly from Appian Cloud due to firewall restrictions and lack of public exposure. Let's evaluate each option:
A . Expose the API as a SOAP-based web service:
Converting the REST API to SOAP isn't a practical recommendation. The customer has provided a REST endpoint, and Appian fully supports REST integrations via Connected Systems and Integration objects. Changing the API to SOAP adds unnecessary complexity, development effort, and risks for the customer, with no benefit to Appian's integration capabilities. Appian's documentation emphasizes using the API's native format (REST here), making this irrelevant.
B . Deploy the API/service into Appian Cloud:
Deploying the customer's API into Appian Cloud is infeasible. Appian Cloud is a managed PaaS environment, not designed to host customer applications or APIs. The API resides in the customer's self-managed environment, and moving it would require significant architectural changes, violating security and operational boundaries. Appian's integration strategy focuses on connecting to external systems, not hosting them, ruling this out.
C . Add Appian Cloud's IP address ranges to the customer network's allowed IP listing:
This approach involves whitelisting Appian Cloud's IP ranges (available in Appian documentation) in the customer's firewall to allow direct HTTP/HTTPS requests. However, Appian Cloud's IPs are dynamic and shared across tenants, making this unreliable for long-term integrations-changes in IP ranges could break connectivity. Appian's best practices discourage relying on IP whitelisting for cloud-to-on-premises integrations due to this limitation, favoring secure tunnels instead.
D . Set up a VPN tunnel:
This is the correct recommendation. A Virtual Private Network (VPN) tunnel establishes a secure, encrypted connection between Appian Cloud and the customer's self-managed network, allowing Appian to access the internal REST API (https://internal.network/api/api/ping). Appian supports VPNs for cloud-to-on-premises integrations, and this approach ensures reliability, security, and compliance with network policies. The customer's IT team can configure the VPN, and Appian's documentation recommends this for such scenarios, especially when dealing with internal endpoints.
Conclusion: Setting up a VPN tunnel (D) is the best recommendation. It enables secure, reliable connectivity from Appian Cloud to the customer's internal API, aligning with Appian's integration best practices for cloud-to-on-premises scenarios.
Reference:
Appian Documentation: "Integrating Appian Cloud with On-Premises Systems" (VPN and Network Configuration).
Appian Lead Developer Certification: Integration Module (Cloud-to-On-Premises Connectivity).

Appian Best Practices: "Securing Integrations with Legacy Systems" (VPN Recommendations).

질문 # 42
Your team has deployed an application to Production with an underperforming view. Unexpectedly, the production data is ten times that of what was tested, and you must remediate the issue. What is the best option you can take to mitigate their performance concerns?

- A. Create a materialized view or table.
- B. Create a table which is loaded every hour with the latest data.
- C. Introduce a data management policy to reduce the volume of data.
- D. Bypass Appian's query rule by calling the database directly with a SQL statement.

정답： A

설명:
Comprehensive and Detailed In-Depth Explanation:
As an Appian Lead Developer, addressing performance issues in production requires balancing Appian's best practices, scalability, and maintainability. The scenario involves an underperforming view due to a significant increase in data volume (ten times the tested amount), necessitating a solution that optimizes performance while adhering to Appian's architecture. Let's evaluate each option:
A . Bypass Appian's query rule by calling the database directly with a SQL statement:
This approach involves circumventing Appian's query rules (e.g., a!queryEntity) and directly executing SQL against the database. While this might offer a quick performance boost by avoiding Appian's abstraction layer, it violates Appian's core design principles. Appian Lead Developer documentation explicitly discourages direct database calls, as they bypass security (e.g., Appian's row-level security), auditing, and portability features. This introduces maintenance risks, dependencies on database-specific logic, and potential production instability-making it an unsustainable and non-recommended solution.
B . Create a table which is loaded every hour with the latest data:
This suggests implementing a staging table updated hourly (e.g., via an Appian process model or ETL process). While this could reduce query load by pre-aggregating data, it introduces latency (data is only fresh hourly), which may not meet real-time requirements typical in Appian applications (e.g., a customer-facing view). Additionally, maintaining an hourly refresh process adds complexity and overhead (e.g., scheduling, monitoring). Appian's documentation favors more efficient, real-time solutions over periodic refreshes unless explicitly required, making this less optimal for immediate performance remediation.
C . Create a materialized view or table:
This is the best choice. A materialized view (or table, depending on the database) pre-computes and stores query results, significantly improving retrieval performance for large datasets. In Appian, you can integrate a materialized view with a Data Store Entity, allowing a!queryEntity to fetch data efficiently without changing application logic. Appian Lead Developer training emphasizes leveraging database optimizations like materialized views to handle large data volumes, as they reduce query execution time while keeping data consistent with the source (via periodic or triggered refreshes, depending on the database). This aligns with Appian's performance optimization guidelines and addresses the tenfold data increase effectively.
D . Introduce a data management policy to reduce the volume of data:
This involves archiving or purging data to shrink the dataset (e.g., moving old records to an archive table). While a long-term data management policy is a good practice (and supported by Appian's Data Fabric principles), it doesn't immediately remediate the performance issue. Reducing data volume requires business approval, policy design, and implementation-delaying resolution. Appian documentation recommends combining such strategies with technical fixes (like C), but as a standalone solution, it's insufficient for urgent production concerns.
Conclusion: Creating a materialized view or table (C) is the best option. It directly mitigates performance by optimizing data retrieval, integrates seamlessly with Appian's Data Store, and scales for large datasets-all while adhering to Appian's recommended practices. The view can be refreshed as needed (e.g., via database triggers or schedules), balancing performance and data freshness. This approach requires collaboration with a DBA to implement but ensures a robust, Appian-supported solution.
Reference:
Appian Documentation: "Performance Best Practices" (Optimizing Data Queries with Materialized Views).
Appian Lead Developer Certification: Application Performance Module (Database Optimization Techniques).
Appian Best Practices: "Working with Large Data Volumes in Appian" (Data Store and Query Performance).

질문 # 43
Your client's customer management application is finally released to Production. After a few weeks of small enhancements and patches, the client is ready to build their next application. The new applicationwill leverage customer information from the first application to allow the client to launch targeted campaigns for select customers in order to increase sales. As part of the first application, your team had built a section to display key customer information such as their name, address, phone number, how long

they have been a customer, etc. A similar section will be needed on the campaign record you are building. One of your developers shows you the new object they are working on for the new application and asks you to review it as they are running into a few issues. What feedback should you give?

- A. Ask the developer to convert the original customer section into a shared object so it can be used by the new application.
- B. Point the developer to the relevant areas in the documentation or Appian Community where they can find more information on the issues they are running into.
- C. Provide guidance to the developer on how to address the issues so that they can proceed with their work.
- D. Create a duplicate version of that section designed for the campaign record.

정답：A

설명:
Comprehensive and Detailed In-Depth Explanation:The scenario involves reusing a customer information section from an existing application in a new application for campaign management, with the developer encountering issues. Appian's best practices emphasize reusability, efficiency, and maintainability, especially when leveraging existing components across applications.
* Option B (Ask the developer to convert the original customer section into a shared object so it can be used by the new application):This is the recommended approach. Converting the original section into a shared object (e.g., a reusable interface component) allows it to be accessed across applications without duplication. Appian's Design Guide highlights the use of shared components to promote consistency, reduce redundancy, and simplify maintenance. Since the new application requires similar customer data (name, address, etc.), reusing the existing section-after ensuring it is modular and adaptable-addresses the developer's issues while aligning with the client's goal of leveraging prior work. The developer can then adjust the shared object (e.g., via parameters) to fit the campaign context, resolving their issues collaboratively.
* Option A (Provide guidance to the developer on how to address the issues so that they can proceed with their work):While providing guidance is valuable, it doesn't address the root opportunity to reuse existing code. This option focuses on fixing the new object in isolation, potentially leading to duplicated effort if the original section could be reused instead.
* Option C (Point the developer to the relevant areas in the documentation or Appian Community where they can find more information on the issues they are running into):This is a passive approach and delays resolution. As a Lead Developer, offering direct support ora strategic solution (like reusing components) is more effective than redirecting the developer to external resources without context.
* Option D (Create a duplicate version of that section designed for the campaign record):
Duplication violates Appian's principle of DRY (Don't Repeat Yourself) and increases maintenance overhead. Any future updates to customer data display logic would need to be applied to multiple objects, risking inconsistencies.
Given the need to leverage existing customer information and the developer's issues, converting the section to a shared object is the most efficient and scalable solution.
References:Appian Design Guide - Reusability and Shared Components, Appian Lead Developer Training - Application Design and Maintenance.

질문 # 44
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