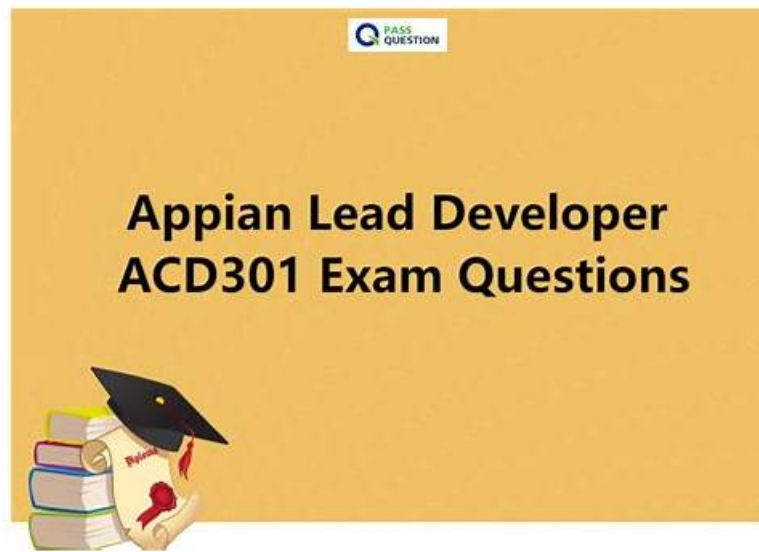


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Appian ACD301 Exam Syllabus Topics:

| Topic | Details |
|---------|---|
| Topic 1 | <ul style="list-style-type: none">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. |
| Topic 2 | <ul style="list-style-type: none">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. |
| Topic 3 | <ul style="list-style-type: none">Extending Appian: This section of the exam measures skills of Integration Specialists and covers building and troubleshooting advanced integrations using connected systems and APIs. Candidates are expected to work with authentication, evaluate plug-ins, develop custom solutions when needed, and utilize document generation options to extend the platform's capabilities. |
| Topic 4 | <ul style="list-style-type: none">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. |

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Appian Lead Developer Sample Questions (Q41-Q46):

NEW QUESTION # 41

You are taking your package from the source environment and importing it into the target environment.

Review the errors encountered during inspection:

What is the first action you should take to Investigate the issue?

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- A. Check whether the object (UUID ending in 18028931) is included in this package
- **B. Check whether the object (UUID ending in 7t00000i4e7a) is included in this package**
- C. Check whether the object (UUID ending in 18028821) is included in this package
- D. Check whether the object (UUID ending in 25606) is included in this package

Answer: B

Explanation:

The error log provided indicates issues during the package import into the target environment, with multiple objects failing to import due to missing precedents. The key error messages highlight specific UUIDs associated with objects that cannot be resolved. The first error listed states:

"TEST_ENTITY_PROFILE_MERGE_HISTORY": The content [id=uuid-a-0000m5fc-f0e6-8000-9b01-011c48011c48, 18028821] was not imported because a required precedent is missing: entity [uuid=a-0000m5fc-f0e6-8000-9b01-011c48011c48, 18028821] cannot be found..." According to Appian's Package Deployment Best Practices, when importing a package, the first step in troubleshooting is to identify the root cause of the failure. The initial error in the log points to an entity object with a UUID ending in 18028821, which failed to import due to a missing precedent. This suggests that the object itself or one of its dependencies (e.g., a data store or related entity) is either missing from the package or not present in the target environment.

Option A (Check whether the object (UUID ending in 18028821) is included in this package): This is the correct first action. Since the first error references this UUID, verifying its inclusion in the package is the logical starting point. If it's missing, the package export from the source environment was incomplete. If it's included but still fails, the precedent issue (e.g., a missing data store) needs further investigation.

Option B (Check whether the object (UUID ending in 7t00000i4e7a) is included in this package): This appears to be a typo or corrupted UUID (likely intended as something like "7t000014e7a" or similar), and it's not referenced in the primary error. It's mentioned later in the log but is not the first issue to address.

Option C (Check whether the object (UUID ending in 25606) is included in this package): This UUID is associated with a data store error later in the log, but it's not the first reported issue.

Option D (Check whether the object (UUID ending in 18028931) is included in this package): This UUID is mentioned in a subsequent error related to a process model or expression rule, but it's not the initial failure point.

Appian recommends addressing errors in the order they appear in the log to systematically resolve dependencies. Thus, starting with the object ending in 18028821 is the priority.

NEW QUESTION # 42

You are selling up a new cloud environment. The customer already has a system of record for its employees and doesn't want to re-create them in Appian, so you are going to implement LDAP authentication.

What are the next steps to configure LDAP authentication?

To answer, move the appropriate steps from the Option list to the Answer List area, and arrange them in the correct order. You may or may not use all the steps.

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Answer:

Explanation:

☐

Explanation:

* Navigate to the Admin console > Authentication > LDAP. This is the first step, as it allows you to access the settings and options for LDAP authentication in Appian.

* Work with the customer LDAP point of contact to obtain the LDAP authentication xsd. Import the xsd file in the Admin console. This is the second step, as it allows you to define the schema and structure of the LDAP data that will be used for authentication in Appian. You will need to work with the customer LDAP point of contact to obtain the xsd file that matches their LDAP server configuration and data model. You will then need to import the xsd file in the Admin console using the Import Schema button.

* Enable LDAP and enter the LDAP parameters, such as the URL of the LDAP server and plaintext credentials. This is the third step, as it allows you to enable and configure the LDAP authentication in Appian. You will need to check the Enable LDAP checkbox and enter the required parameters, such as the URL of the LDAP server, the plaintext credentials for connecting to the LDAP server, and the base DN for searching for users in the LDAP server.

* Test the LDAP integration and see if it succeeds. This is the fourth and final step, as it allows you to verify and validate that the LDAP authentication is working properly in Appian. You will need to use the Test Connection button to test if Appian can connect to the LDAP server successfully.

You will also need to use the Test User Lookup button to test if Appian can find and authenticate a user from the LDAP server using their username and password.

Configuring LDAP authentication in Appian Cloud allows the platform to leverage an existing employee system of record (e.g., Active Directory) for user authentication, avoiding manual user creation. The process involves a series of steps within the Appian Administration Console, guided by Appian's Security and Authentication documentation. The steps must be executed in a logical order to ensure proper setup and validation.

* Navigate to the Admin Console > Authentication > LDAP: The first step is to access the LDAP configuration section in the Appian Administration Console. This is the entry point for enabling and configuring LDAP authentication, where administrators can define the integration settings. Appian requires this initial navigation to begin the setup process.

* Work with the customer LDAP point-of-contact to obtain the LDAP authentication xsd. Import the xsd file in the Admin Console: The next step involves gathering the LDAP schema definition (xsd file) from the customer's LDAP system (e.g., via their point-of-contact). This file defines the structure of the LDAP directory (e.g., user attributes). Importing it into the Admin Console allows Appian to map these attributes to its user model, a critical step before enabling authentication, as outlined in Appian's LDAP Integration Guide.

* Enable LDAP and enter the appropriate LDAP parameters, such as the URL of the LDAP server and plaintext credentials: After importing the schema, enable LDAP and configure the connection details. This includes specifying the LDAP server URL (e.g., ldap://ldap.example.com) and plaintext credentials (or a secure alternative like LDAPS with certificates). These parameters establish the connection to the customer's LDAP system, a prerequisite for testing, as per Appian's security best practices.

* Test the LDAP integration and save if it succeeds: The final step is to test the configuration to ensure Appian can authenticate against the LDAP server. The Admin Console provides a test option to verify connectivity and user synchronization. If successful, saving the configuration applies the settings, completing the setup. Appian recommends this validation step to avoid misconfigurations, aligning with the iterative testing approach in the documentation.

Unused Option:

* Enter two parameters: the URL of the LDAP server and plaintext credentials: This step is redundant and not used. The equivalent action is covered under "Enable LDAP and enter the appropriate LDAP parameters," which is more comprehensive and includes enabling the feature.

Including both would be duplicative, and Appian's interface consolidates parameter entry with enabling.

Ordering Rationale:

* The sequence follows a logical workflow: navigation to the configuration area, schema import for structure, parameter setup for connectivity, and testing/saving for validation. This aligns with Appian's step-by-step LDAP setup process, ensuring each step builds on the previous one without requiring backtracking.

* The unused option reflects the question's allowance for not using all steps, indicating flexibility in the process.

References: Appian Documentation - Security and Authentication Guide, Appian Administration Console - LDAP Configuration, Appian Lead Developer Training - Integration Setup.

NEW QUESTION # 43

Your application contains a process model that is scheduled to run daily at a certain time, which kicks off a user input task to a specified user on the 1st time zone for morning data collection. The time zone is set to the (default) pm!timezone. In this situation, what does the pm!timezone reflect?

- A. The time zone of the server where Appian is installed.
- B. The time zone of the user who most recently published the process model.
- C. The default time zone for the environment as specified in the Administration Console.
- D. The time zone of the user who is completing the input task.

Answer: C

Explanation:

Comprehensive and Detailed In-Depth Explanation: In Appian, the `pm!timezone` variable is a process variable automatically available in process models, reflecting the time zone context for scheduled or time-based operations. Understanding its behavior is critical for scheduling tasks accurately, especially in scenarios like this where a process runs daily and assigns a user input task.

* Option C (The default time zone for the environment as specified in the Administration Console):

This is the correct answer. Per Appian's Process Model documentation, when a process model uses `pm!timezone` and no custom time zone is explicitly set, it defaults to the environment's time zone configured in the Administration Console (under System > Time Zone settings). For scheduled processes, such as one running "daily at a certain time," Appian uses this default time zone to determine when the process triggers. In this case, the task assignment occurs based on the schedule, and `pm!timezone` reflects the environment's setting, not the user's location.

* Option A (The time zone of the server where Appian is installed): This is incorrect. While the server's time zone might influence underlying system operations, Appian abstracts this through the Administration Console's time zone setting. The `pm!timezone` variable aligns with the configured environment time zone, not the raw server setting.

* Option B (The time zone of the user who most recently published the process model): This is irrelevant. Publishing a process model does not tie `pm!timezone` to the publisher's time zone. Appian's scheduling is system-driven, not user-driven in this context.

* Option D (The time zone of the user who is completing the input task): This is also incorrect. While Appian can adjust task display times in the user interface to the assigned user's time zone (based on their profile settings), the `pm!timezone` in the process model reflects the environment's default time zone for scheduling purposes, not the assignee's.

For example, if the Administration Console is set to EST (Eastern Standard Time), the process will trigger daily at the specified time in EST, regardless of the assigned user's location. The "1st time zone" phrasing in the question appears to be a typo or miscommunication, but it doesn't change the fact that `pm!timezone` defaults to the environment setting.

References: Appian Documentation - Process Variables (`pm!timezone`), Appian Lead Developer Training - Process Scheduling and Time Zone Management, Administration Console Guide - System Settings.

NEW QUESTION # 44

You have 5 applications on your Appian platform in Production. Users are now beginning to use multiple applications across the platform, and the client wants to ensure a consistent user experience across all applications.

You notice that some applications use rich text, some use section layouts, and others use box layouts. The result is that each application has a different color and size for the header.

What would you recommend to ensure consistency across the platform?

- A. In each individual application, create a rule that can be used for section headers, and update each application to reference its respective rule.
- **B. In the common application, create a rule that can be used across the platform for section headers, and update each application to reference this new rule.**
- C. Create constants for text size and color, and update each section to reference these values.
- D. In the common application, create one rule for each application, and update each application to reference its respective rule.

Answer: B

Explanation:

Comprehensive and Detailed In-Depth Explanation: As an Appian Lead Developer, ensuring a consistent user experience across multiple applications on the Appian platform involves centralizing reusable components and adhering to Appian's design governance principles. The client's concern about inconsistent headers (e.g., different colors, sizes, layouts) across applications using rich text, section layouts, and box layouts requires a scalable, maintainable solution. Let's evaluate each option:

* A. Create constants for text size and color, and update each section to reference these values: Using constants (e.g., `cons!TEXT_SIZE` and `cons!HEADER_COLOR`) is a good practice for managing values, but it doesn't address layout consistency (e.g., rich text vs. section layouts vs. box layouts).

Constants alone can't enforce uniform header design across applications, as they don't encapsulate layout logic (e.g., `a!sectionLayout()` vs. `a!richTextDisplayField()`). This approach would require manual updates to each application's components, increasing maintenance overhead and still risking inconsistency. Appian's documentation recommends using rules for reusable UI components, not just constants, making this insufficient.

* B. In the common application, create a rule that can be used across the platform for section headers, and update each application to reference this new rule: This is the best recommendation. Appian supports a

"common application" (often called a shared or utility application) to store reusable objects like expression rules, which can define consistent header designs (e.g., `rule!CommonHeader(size:`

`"LARGE", color: "PRIMARY")`). By creating a single rule for headers and referencing it across all 5 applications, you ensure uniformity in layout, color, and size (e.g., using `a!sectionLayout()` or `a!`

`boxLayout()` consistently). Appian's design best practices emphasize centralizing UI components in a common application to reduce

duplication, enforce standards, and simplify maintenance-perfect for achieving a consistent user experience.

* C. In the common application, create one rule for each application, and update each application to reference its respective rule. This approach creates separate header rules for each application (e.g., rule!

App1Header, rule!App2Header), which contradicts the goal of consistency. While housed in the common application, it introduces variability (e.g., different colors or sizes per rule), defeating the purpose. Appian's governance guidelines advocate for a single, shared rule to maintain uniformity, making this less efficient and unnecessary.

* D. In each individual application, create a rule that can be used for section headers, and update each application to reference its respective rule. Creating separate rules in each application (e.g., rule!

App1Header in App 1, rule!App2Header in App 2) leads to duplication and inconsistency, as each rule could differ in design. This approach increases maintenance effort and risks diverging styles, violating the client's requirement for a "consistent user experience." Appian's best practices discourage duplicating UI logic, favoring centralized rules in a common application instead.

Conclusion: Creating a rule in the common application for section headers and referencing it across the platform (B) ensures consistency in header design (color, size, layout) while minimizing duplication and maintenance. This leverages Appian's application architecture for shared objects, aligning with Lead Developer standards for UI governance.

References:

* Appian Documentation: "Designing for Consistency Across Applications" (Common Application Best Practices).

* Appian Lead Developer Certification: UI Design Module (Reusable Components and Rules).

* Appian Best Practices: "Maintaining User Experience Consistency" (Centralized UI Rules).

The best way to ensure consistency across the platform is to create a rule that can be used across the platform for section headers. This rule can be created in the common application, and then each application can be updated to reference this rule. This will ensure that all of the applications use the same color and size for the header, which will provide a consistent user experience.

The other options are not as effective. Option A, creating constants for text size and color, and updating each section to reference these values, would require updating each section in each application. This would be a lot of work, and it would be easy to make mistakes. Option C, creating one rule for each application, would also require updating each application. This would be less work than option A, but it would still be a lot of work, and it would be easy to make mistakes. Option D, creating a rule in each individual application, would not ensure consistency across the platform. Each application would have its own rule, and the rules could be different. This would not provide a consistent user experience.

Best Practices:

* When designing a platform, it is important to consider the user experience. A consistent user experience will make it easier for users to learn and use the platform.

* When creating rules, it is important to use them consistently across the platform. This will ensure that the platform has a consistent look and feel.

* When updating the platform, it is important to test the changes to ensure that they do not break the user experience.

NEW QUESTION # 45

You are reviewing log files that can be accessed in Appian to monitor and troubleshoot platform-based issues.

For each type of log file, match the corresponding Information that it provides. Each description will either be used once, or not at all.

Note: To change your responses, you may deselect your response by clicking the blank space at the top of the selection list.

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Answer:

Explanation:

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NEW QUESTION # 46

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