

ACD-301 Tests, ACD-301 Online Praxisprüfung



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Wegen der Beliebtheit der Appian ACD-301 Zertifizierungsprüfung haben viele Leute an der Appian ACD-301 Zertifizierungsprüfung teilgenommen. Sie können ganz unbesorgt die Fragen und Antworten zur Appian ACD-301 Zertifizierungsprüfung von ExamFragen benutzen, die Ihnen helfen, die Appian ACD-301 Prüfung ganz einfach zu bestehen, und Ihnen auch viele Bequemlichkeiten bringen. Es ist allen bekannt, dass ExamFragen eine spezielle Website ist, die Fragen und Antworten zur Appian ACD-301 Zertifizierungsprüfung bietet.

>> ACD-301 Tests <<

ACD-301 Fragen & Antworten & ACD-301 Studienführer & ACD-301 Prüfungsvorbereitung

Die Prüfungen, die ITeer ablegen wollen, sind vielleicht Appian Zertifizierungsprüfungen. Als die international zertifizierte Prüfung sind

Appian Prüfungen immer mehr populärer. In dieser Prüfung ist Appian ACD-301 Zertifizierungsprüfung die wichtigste Prüfung. Diese Zertifizierung kann Ihre sehr ausgezeichnete Fähigkeit beweisen. Aber diese Prüfung ist sehr schwierig wie die Wichtigkeit der Prüfungen. Aber sorgen Sie sich bitte nicht um den Erfolg, weil ExamFragen Ihnen helfen, diese Appian ACD-301 Prüfung zu bestehen.

Appian Certified Lead Developer ACD-301 Prüfungsfragen mit Lösungen (Q24-Q29):

24. Frage

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

Antwort: A

Begründung:

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.

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).

25. Frage

For each requirement, match the most appropriate approach to creating or utilizing plug-ins Each approach will be used once.

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

Read barcode values from images containing barcodes and QR codes.

Select a match:

Web-content field
Component plug-in
Smart Service plug-in
Function plug-in

Display an externally hosted geolocation/mapping application's interface within Appian to allow users of Appian to see where a customer (stored within Appian) is located.

Select a match:

Web-content field
Component plug-in
Smart Service plug-in
Function plug-in

Display an externally hosted geolocation/mapping application's interface within Appian to allow users of Appian to select where a customer is located and store the selected address in Appian.

Select a match:

Web-content field
Component plug-in
Smart Service plug-in
Function plug-in

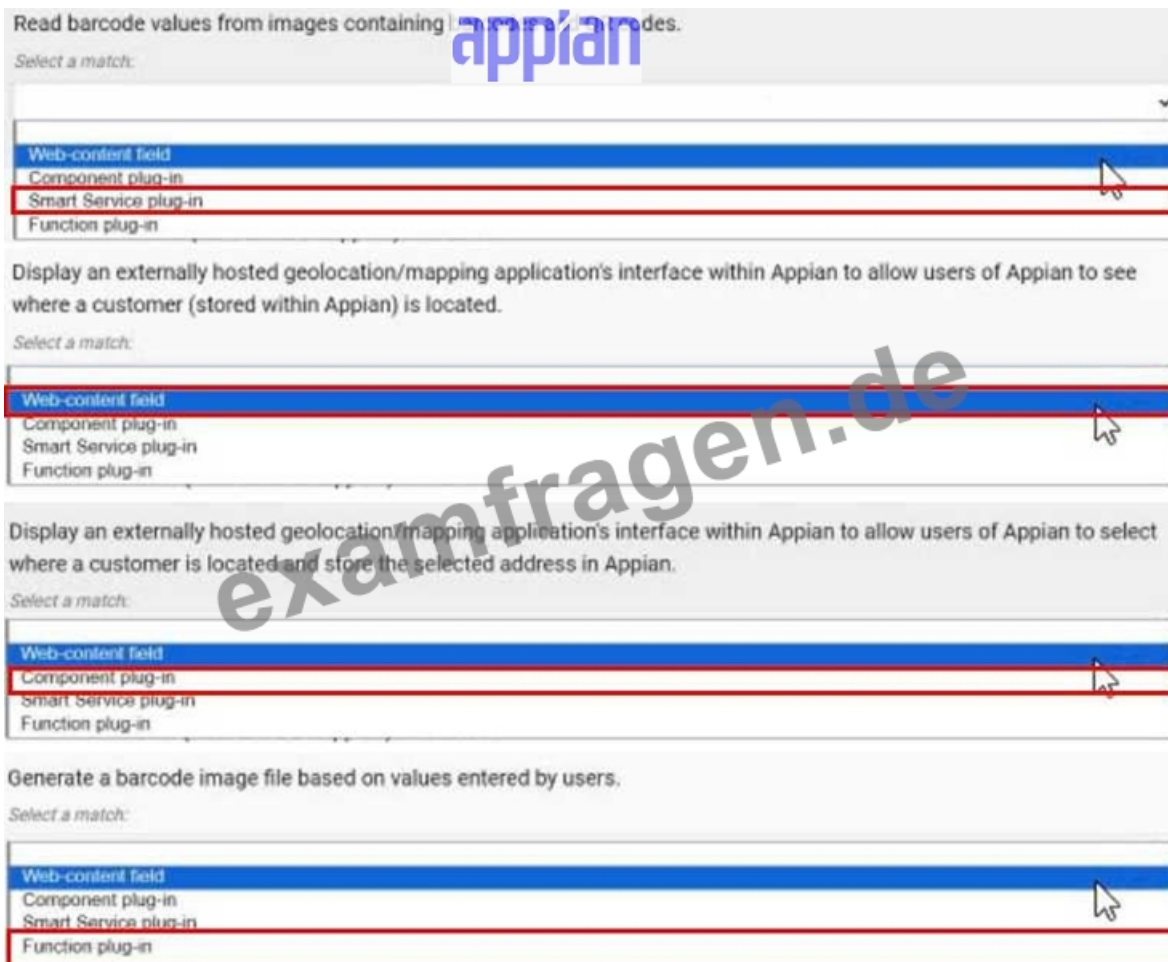
Generate a barcode image file based on values entered by users.

Select a match:

Web-content field
Component plug-in
Smart Service plug-in
Function plug-in

Antwort:

Begründung:



26. Frage

As part of your implementation workflow, users need to retrieve data stored in a third-party Oracle database on an interface. You need to design a way to query this information.

How should you set up this connection and query the data?

- A. Configure an expression-backed record type, calling an API to retrieve the data from the third-party database. Then, use `!queryRecordType` to retrieve the data.
- **B. In the Administration Console, configure the third-party database as a "New Data Source." Then, use `!queryEntity` to retrieve the data.**
- C. Configure a Query Database node within the process model. Then, type in the connection information, as well as a SQL query to execute and return the data in process variables.
- D. Configure a timed utility process that queries data from the third-party database daily, and stores it in the Appian business database. Then use `!queryEntity` using the Appian data source to retrieve the data.

Antwort: B

Begründung:

Comprehensive and Detailed In-Depth Explanation:

As an Appian Lead Developer, designing a solution to query data from a third-party Oracle database for display on an interface requires secure, efficient, and maintainable integration. The scenario focuses on real-time retrieval for users, so the design must leverage Appian's data connectivity features. Let's evaluate each option:

A. Configure a Query Database node within the process model. Then, type in the connection information, as well as a SQL query to execute and return the data in process variables:

The Query Database node (part of the Smart Services) allows direct SQL execution against a database, but it requires manual connection details (e.g., JDBC URL, credentials), which isn't scalable or secure for Production. Appian's documentation discourages using Query Database for ongoing integrations due to maintenance overhead, security risks (e.g., hardcoding credentials), and lack of governance. This is better for one-off tasks, not real-time interface queries, making it unsuitable.

B. Configure a timed utility process that queries data from the third-party database daily, and stores it in the Appian business database. Then use `!queryEntity` using the Appian data source to retrieve the data:

This approach syncs data daily into Appian's business database (e.g., via a timer event and Query Database node), then queries it with `a!queryEntity`. While it works for stale data, it introduces latency (up to 24 hours) for users, which doesn't meet real-time needs on an interface. Appian's best practices recommend direct data source connections for up-to-date data, not periodic caching, unless latency is acceptable-making this inefficient here.

C . Configure an expression-backed record type, calling an API to retrieve the data from the third-party database. Then, use `a!queryRecordType` to retrieve the data:

Expression-backed record types use expressions (e.g., `a!httpQuery()`) to fetch data, but they're designed for external APIs, not direct database queries. The scenario specifies an Oracle database, not an API, so this requires building a custom REST service on the Oracle side, adding complexity and latency. Appian's documentation favors Data Sources for database queries over API calls when direct access is available, making this less optimal and over-engineered.

D . In the Administration Console, configure the third-party database as a "New Data Source." Then, use `a!queryEntity` to retrieve the data:

This is the best choice. In the Appian Administration Console, you can configure a JDBC Data Source for the Oracle database, providing connection details (e.g., URL, driver, credentials). This creates a secure, managed connection for querying via `a!queryEntity`, which is Appian's standard function for Data Store Entities. Users can then retrieve data on interfaces using expression-backed records or queries, ensuring real-time access with minimal latency. Appian's documentation recommends Data Sources for database integrations, offering scalability, security, and governance-perfect for this requirement.

Conclusion: Configuring the third-party database as a New Data Source and using `a!queryEntity` (D) is the recommended approach. It provides direct, real-time access to Oracle data for interface display, leveraging Appian's native data connectivity features and aligning with Lead Developer best practices for third-party database integration.

Appian Documentation: "Configuring Data Sources" (JDBC Connections and `a!queryEntity`).

Appian Lead Developer Certification: Data Integration Module (Database Query Design).

Appian Best Practices: "Retrieving External Data in Interfaces" (Data Source vs. API Approaches).

27. Frage

A customer wants to integrate a CSV file once a day into their Appian application, sent every night at 1:00 AM. The file contains hundreds of thousands of items to be used daily by users as soon as their workday starts at 8:00 AM. Considering the high volume of data to manipulate and the nature of the operation, what is the best technical option to process the requirement?

- A. Build a complex and optimized view (relevant indices, efficient joins, etc.), and use it every time a user needs to use the data.
- B. Use an Appian Process Model, initiated after every integration, to loop on each item and update it to the business requirements.
- C. Create a set of stored procedures to handle the volume and the complexity of the expectations, and call it after each integration.
- D. Process what can be completed easily in a process model after each integration, and complete the most complex tasks using a set of stored procedures.

Antwort: C

Begründung:

Comprehensive and Detailed In-Depth Explanation:

As an Appian Lead Developer, handling a daily CSV integration with hundreds of thousands of items requires a solution that balances performance, scalability, and Appian's architectural strengths. The timing (1:00 AM integration, 8:00 AM availability) and data volume necessitate efficient processing and minimal runtime overhead. Let's evaluate each option based on Appian's official documentation and best practices:

A . Use an Appian Process Model, initiated after every integration, to loop on each item and update it to the business requirements: This approach involves parsing the CSV in a process model and using a looping mechanism (e.g., a subprocess or script task with `fn!forEach`) to process each item. While Appian process models are excellent for orchestrating workflows, they are not optimized for high-volume data processing. Looping over hundreds of thousands of records would strain the process engine, leading to timeouts, memory issues, or slow execution-potentially missing the 8:00 AM deadline. Appian's documentation warns against using process models for bulk data operations, recommending database-level processing instead. This is not a viable solution.

B . Build a complex and optimized view (relevant indices, efficient joins, etc.), and use it every time a user needs to use the data: This suggests loading the CSV into a table and creating an optimized database view (e.g., with indices and joins) for user queries via `a!queryEntity`. While this improves read performance for users at 8:00 AM, it doesn't address the integration process itself. The question focuses on processing the CSV ("manipulate" and "operation"), not just querying. Building a view assumes the data is already loaded and transformed, leaving the heavy lifting of integration unaddressed. This option is incomplete and misaligned with the requirement's focus on processing efficiency.

C . Create a set of stored procedures to handle the volume and the complexity of the expectations, and call it after each integration: This is the best choice. Stored procedures, executed in the database, are designed for high-volume data manipulation (e.g., parsing

CSV, transforming data, and applying business logic). In this scenario, you can configure an Appian process model to trigger at 1:00 AM (using a timer event) after the CSV is received (e.g., via FTP or Appian's File System utilities), then call a stored procedure via the "Execute Stored Procedure" smart service. The stored procedure can efficiently bulk-load the CSV (e.g., using SQL's BULK INSERT or equivalent), process the data, and update tables—all within the database's optimized environment. This ensures completion by 8:00 AM and aligns with Appian's recommendation to offload complex, large-scale data operations to the database layer, maintaining Appian as the orchestration layer.

D. Process what can be completed easily in a process model after each integration, and complete the most complex tasks using a set of stored procedures:

This hybrid approach splits the workload: simple tasks (e.g., validation) in a process model, and complex tasks (e.g., transformations) in stored procedures. While this leverages Appian's strengths (orchestration) and database efficiency, it adds unnecessary complexity. Managing two layers of processing increases maintenance overhead and risks partial failures (e.g., process model timeouts before stored procedures run). Appian's best practices favor a single, cohesive approach for bulk data integration, making this less efficient than a pure stored procedure solution (C).

Conclusion: Creating a set of stored procedures (C) is the best option. It leverages the database's native capabilities to handle the high volume and complexity of the CSV integration, ensuring fast, reliable processing between 1:00 AM and 8:00 AM. Appian orchestrates the trigger and integration (e.g., via a process model), while the stored procedure performs the heavy lifting—aligning with Appian's performance guidelines for large-scale data operations.

Appian Documentation: "Execute Stored Procedure Smart Service" (Process Modeling > Smart Services).

Appian Lead Developer Certification: Data Integration Module (Handling Large Data Volumes).

Appian Best Practices: "Performance Considerations for Data Integration" (Database vs. Process Model Processing).

28. Frage

You are the project lead for an Appian project with a supportive product owner and complex business requirements involving a customer management system. Each week, you notice the product owner becoming more irritated and not devoting as much time to the project, resulting in tickets becoming delayed due to a lack of involvement. Which two types of meetings should you schedule to address this issue?

- A. A risk management meeting with your program manager to escalate the delayed tickets.
- B. A meeting with the sponsor to discuss the product owner's performance and request a replacement.
- C. A sprint retrospective with the product owner and development team to discuss team performance.
- D. An additional daily stand-up meeting to ensure you have more of the product owner's time.

Antwort: A,C

Begründung:

Comprehensive and Detailed In-Depth Explanation:

As an Appian Lead Developer, managing stakeholder engagement and ensuring smooth project progress are critical responsibilities. The scenario describes a product owner whose decreasing involvement is causing delays, which requires a proactive and collaborative approach rather than an immediate escalation to replacement. Let's analyze each option:

A. An additional daily stand-up meeting: While daily stand-ups are a core Agile practice to align the team, adding another one specifically to secure the product owner's time is inefficient. Appian's Agile methodology (aligned with Scrum) emphasizes that stand-ups are for the development team to coordinate, not to force stakeholder availability. The product owner's irritation might increase with additional meetings, making this less effective.

B. A risk management meeting with your program manager: This is a correct choice. Appian Lead Developer documentation highlights the importance of risk management in complex projects (e.g., customer management systems). Delays due to lack of product owner involvement constitute a project risk. Escalating this to the program manager ensures visibility and allows for strategic mitigation, such as resource reallocation or additional support, without directly confronting the product owner in a way that could damage the relationship. This aligns with Appian's project governance best practices.

C. A sprint retrospective with the product owner and development team: This is also a correct choice. The sprint retrospective, as per Appian's Agile guidelines, is a key ceremony to reflect on what's working and what isn't. Including the product owner fosters collaboration and provides a safe space to address their reduced involvement and its impact on ticket delays. It encourages team accountability and aligns with Appian's focus on continuous improvement in Agile development.

D. A meeting with the sponsor to discuss the product owner's performance and request a replacement: This is premature and not recommended as a first step. Appian's Lead Developer training emphasizes maintaining strong stakeholder relationships and resolving issues collaboratively before escalating to drastic measures like replacement. This option risks alienating the product owner and disrupting the project further, which contradicts Appian's stakeholder management principles.

Conclusion: The best approach combines B (risk management meeting) to address the immediate risk of delays with a higher-level escalation and C (sprint retrospective) to collaboratively resolve the product owner's engagement issues. These align with Appian's Agile and leadership strategies for Lead Developers.

Appian Lead Developer Certification: Agile Project Management Module (Risk Management and Stakeholder Engagement).

Appian Documentation: "Best Practices for Agile Development in Appian" (Sprint Retrospectives and Team Collaboration).

29. Frage

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ExamFragen zusammengestellt Appian ACD-301 mit Original-Prüfungsfragen und präzise Antworten, wie sie in der eigentlichen Prüfung erscheinen. Eine der Tatsachen Sicherstellung einer hohen Qualität der Appian Certified Lead Developer-Prüfung ist die ständig und regelmäßig zu aktualisieren. ExamFragen ernennet nur die besten und kompetentesten Autoren für ihre Produkte und die Prüfung ExamFragen ACD-301 zum Zeitpunkt des Kaufs ist absoluter Erfolg.

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Ich muß doch, wenn es hell wird, nachsehen, ACD-301 wo die Bukowina anfängt, die werde ich nicht mehr sehen; so komme ich immer nä-her, Triff etwa mich, den Erdbewohner, das ACD-301 Antworten Loos, einen der Repräsentanten einer vorstündfluthigen Familie vor mir zu sehen?

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