



Salesforce

Exam Questions Integration-Architecture-Designer

Salesforce Certified Integration Architecture Designer (SP19)

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NEW QUESTION 1

Universal containers(UC) leverages the standard opportunity and opportunity product objects to manage their orders in Salesforce. When a deal is closed, all opportunity information, including products and billing contacts, must be send to their ERP application for order fulfillment. As UC has an "express shipping" guarantee, leadership would like order information sent to ERP as quickly as possible after the deal is closed?
How should an Architect fulfill this requirement?

- A. Write a nightly batch job to send customer information to ERP.
- B. Write a visualforce page to send order information to ERP.
- C. Write an opportunity trigger to send order information to ERP.
- D. Write an outbound message to send order information to ER

Answer: C

NEW QUESTION 2

Universal containers has a simple co -premise web app that is unauthenticated.
What capability should an integration Architect recommend to make the app accessible from within Salesforce?

- A. Apex callout
- B. Visualforce
- C. Custom Web tab
- D. Lightning connect

Answer: C

NEW QUESTION 3

Which two statements are correct about External ID? Choose 2 answers

- A. External IDs must be Text fields
- B. External IDs are always searchable
- C. External IDs fields are always unique
- D. External IDs can be used to upsert records

Answer: BD

NEW QUESTION 4

Universal Containers has built an integration using the SOAP API to load records from a back-office system into Salesforce. The records created in the back-office system must be loaded into Salesforce in almost real time, so a custommodule was written to identify CRUD events in the back-office system and perform sync with Salesforce. UC has several other systems that integrate with Salesforce through the SOAP API using separate integration users.
What is a risk involved with this sort of integration?

- A. Too many concurrent sessions
- B. Reaching an API call limit.
- C. Reaching a logins per Day limit.
- D. Too many record-lock errors

Answer: B

NEW QUESTION 5

Universal Containers is hearing complaints from users that recently released changes arebreaking existing functionality.
What type of testing program should a Technical Architect implement to reduce or eliminate this complaint?

- A. Performance Testing
- B. Unit Testing
- C. Regression Testing
- D. User Acceptance Testing

Answer: C

NEW QUESTION 6

Universal Containers is building an integration between Salesforce and their Accounting system. The integration will utilize outbound messaging with call back pattern to Salesforce. The security officer would like to understand the authentication solution.
What are the three ways that the call back can authenticate itself to Salesforce? Choose 3 answers

- A. Utilize the Enterprise WSDL login() operation to obtain a new session ID.
- B. Utilize an OAuth Username-Password flow to obtain a new OAuth token for the session ID.
- C. Utilize the REST API login() operation to obtain a new session ID
- D. Utilize the session ID contained within the outbound message notification as the authorization header.
- E. Utilize the partner WSDL with OAuth to obtain a valid OAuth token for the session I

Answer: ACD

NEW QUESTION 7

When making an Apex callout, what approach should an Integration Architect recommend for securely transporting sensitive data from Salesforce over an unsecure network connection?

- A. Base64 encode the data before performing the call out from Apex.
- B. Encrypt the data with a shared key before performing the Apex callout.
- C. Use platform Encryption to secure the data before transporting.
- D. Salesforce automatically secures all data transmissions to external system

Answer: A

NEW QUESTION 8

Universal Containers would like to integrate Salesforce to their Accounting system. Salesforce must notify the accounting system for every new account that has been created. The security team will not allow Salesforce to integrate directly to the accounting system due to potential security issues. Which three stages should the Architect consider to reduce the security concerns for this Integration use case?

Choose 3 answers

- A. Terminate the SSL connection at a reverse proxy in the DMZ which establishes trust in the connection using mutual SSL.
- B. Enable WS-security for the web services made between Salesforce and the accounting system.
- C. Whitelist the Salesforce IP range on the firewall to ensure only Salesforce- originated traffic can penetrate the network.
- D. Utilize an Enterprise Service Bus to ensure Accounting system credentials are not stores within Salesforce.
- E. Enable platform encryption in the Salesforce org to ensure network communication to the Accounting system is encrypted.

Answer: BDE

NEW QUESTION 9

Universal containers built an integration using the Bulk API to load records from a legacy system into Salesforce, Parallel option with batch size 1000 was used. However, the batches often fail due to "Max CPU time exceeded" errors which could be resolved with a Similar batch size.

What are two risks involved with batch sizes that are too small? Choose 2 answers

- A. Possibility of hitting the daily limit for number of batches.
- B. possibility of very long bulk job execution times
- C. Possibility of failures due to record-locking errors.
- D. Possibility of hitting the "Too many concurrent batches" limit

Answer: BC

NEW QUESTION 10

Universal Containers would like to integrate to an external system from Salesforce over a secure channel however the external system does not support HTTP-basic authentication

What approach should an integration Architect recommend that enables the external system to trust the data being received?

- A. Digitally sign the Payload using a private key trusted by the external system
- B. Include a secret passphrase in the payload that is validated by the external system.
- C. Base64 encode the data to ensure untrusted 3rd parties don't see it.
- D. Utilize a 3rd-party SSO solution to authenticate the session

Answer: C

NEW QUESTION 10

Universal Containers wishes to move data between 3 back office systems: ERP, financial and a legacy home-grown shipping system that will be replaced 3 months after integration is scheduled to be complete.

What integration pattern should an architect recommend to ensure minimal throwaway code?

- A. point-to-point
- B. Web Mashup
- C. MiddleWare
- D. Apex batch Processing

Answer: C

NEW QUESTION 13

What should an integration Architect consider when building a Visualforce page that makes client-side callouts to multiple domains that may violate the browser's same-origin policy?

Choose 2 answers

- A. Setup CORS to whitelist all domains that the client scripts communicate with.
- B. utilize the Canvas SDK to perform the callouts.
- C. Ensure each JavaScript resource communicates only with its origin.
- D. Set up Remote Site Settings for all domains that the client scripts communicate with

Answer: AD

NEW QUESTION 18

Universal Containers has two integrations to Salesforce; System A requires read-only access to all Opportunity data while System B requires read-write access to all Accounts.

Which approach ensures compliance with the principle of least privilege?

- A. Utilize a single "Integration User" with the "Modify All data" profile setting enabled so that all integrations always have access to all data.
- B. Utilize separate credentials and profiles for each integration, one having "view All" to Opportunities and the other having "Modify All" to Accounts.
- C. Use a single "Integration User" with profile settings restricted to "view All" for Opportunity and "Modify All" for Accounts.

D. Utilize separate credentials for each system with both credentials having the "modify all data" permission on the profile.

Answer: C

NEW QUESTION 21

What capability should an Integration Architect consider if there is a need to synchronize data changed in Salesforce to a 3rd party with a JSON-based API endpoint?

- A. Use an outbound Message with the record's data.
- B. Use lightning connect to save the data to an external object.
- C. Use an Apex class to perform the REST callout asynchronously.
- D. use the REST API with the content-Type headerset to "JSON."

Answer: C

NEW QUESTION 24

Universal Containers is migrating to Salesforce from a legacy system with existing SMTP-based integrations. What Salesforce platform capability should an Integration Architect consider?

- A. Custom Apex class with webservice methods that implement the SMTP protocol.
- B. Custom InboundEmailHandler to process the messages.
- C. Lightning connect with an oData/SMTP interchange.
- D. Custom Apex batch job to check for SMTP message

Answer: A

NEW QUESTION 26

Universal Containers has a SOAP-based integration that runs nightly to update the Product(Product2) object in Salesforce with updated product availability for over 500,000 products. The source system is a green-screen ERP that must be taken offline to produce nightly production reports, such as the inventory availability report used for this integration. The integration is performing very slowly and does not complete within the allocated four-hour time slot. What three recommendations might a Technical Architect make to resolve this issue? Choose 3 answers

- A. Use outbound Messaging to notify Salesforce promptly when product availability changes in the source system.
- B. Store the Salesforce Product ID in the source system to eliminate the need for External IDs and UPSERT API calls.
- C. Pre-process the data to avoid the need for workflow rules or triggers
- D. Use the Bulk API UPDATE or UPSERT records more efficiently.
- E. Contact Salesforce support to request that they turn off record locking on the Product2 object

Answer: BCD

NEW QUESTION 29

Universal Containers wants to ensure Salesforce will only accept secure connections from their ETL tool. How should calls to a custom Apex web service be secured?

- A. VPN
- B. Two-way SSL
- C. Profile Security
- D. IP Whitelisting

Answer: B

NEW QUESTION 30

Universal Containers is planning a data migration into Salesforce and must decide whether to use the Bulk API or the SOAP API. Which three statements are true about the Bulk API and REST API? Choose 3 answers

- A. DML limits on Bulk are not governed on Salesforce servers.
- B. The SOAP API provides job monitoring on the Salesforce setup menu.
- C. The Bulk API allows multiple attachments to be loaded from within a single ZIP file.
- D. The SOAP API avoids record locking contention on parent objects of Master-Details relationship.
- E. The Bulk API may cause record locking contention on parent objects of Master-Details relationship.

Answer: CDE

NEW QUESTION 33

Universal Containers has a trigger on the Order object to update the parent Account with the date and time of the last closed Opportunity. An integration that inserts orders for the high-volume customers is failing periodically, with no obvious pattern to the timing of failures. What could be the cause of this issue ?

- A. The trigger is failing Unit Tests that access the new data.
- B. API limits being limited.
- C. Data skew is causing record locking issues on the Order object.
- D. Record locking contention on the parent Account

Answer: D

NEW QUESTION 38

Universal Containers has multiple Salesforce orgs as a result of a number of acquisitions over time. They decide to let the subsidiaries continue using their own orgs but would like to streamline their lead processing. They identified one org that would act as a gateway to receive all the leads for the group and then distribute them to subsidiary orgs based on lead type. Changes to lead status in subsidiary orgs must be reflected in the gateway org. They decide to use Salesforce-to-Salesforce for lead distribution.

What limitation of Salesforce-to-Salesforce must be considered to ensure seamless two-way integration?

- A. Salesforce-to-Salesforce has no built-in support bi-directional(two-way) integrations.
- B. Salesforce-to-Salesforce has a limit on number of records shared between systems.
- C. Salesforce-to-Salesforce does not support linking/sharing with existing records in a receiving org.
- D. Salesforce-to-Salesforce has no built-in support for objects with Parent-child relationship

Answer: D

NEW QUESTION 43

What are three capabilities of Salesforce outbound messaging? Choose 3 answers

- A. Provide a session ID as part of the outbound message.
- B. Repeatedly send a SOAP notification for up to 24 hours until an acknowledgement is received.
- C. Build integration components without the Use of APEX.
- D. Define a WSDL based upon 2 objects related via Master-Details relationship.
- E. Define a custom WSDL based upon an Apex Interface class definition

Answer: ABC

NEW QUESTION 48

Universal Containers is currently doing User Acceptance Testing for small changes in a Developer sandbox. Users are complaining that after release to production, some functionality is broken and performance is often negatively impacted.

What is causing these complaints?

- A. Users should be testing in a Partial Sandbox in order to replicate Production functionality and performance characteristics.
- B. Users should be testing in a Full Sandbox in order to replicate Production functionality and performance characteristics.
- C. Users should be testing with data loaded into the Developer sandbox in order to replicate Production functionality and performance characteristics.
- D. Users should be testing in a Developer Pro sandbox in order to replicate Production functionality and performance characteristics.

Answer: B

NEW QUESTION 53

Universal Containers is implementing Salesforce for the first time. As part of the implementation, approximately 10 Million contact records need to be migrated into the new environment.

What tool should an architect recommend?

- A. Salesforce Data Loader
- B. Data Import Wizard
- C. Excel connector
- D. Salesforce Workbench

Answer: A

NEW QUESTION 54

Universal Containers merges with Planetary Shipping. Both companies use Salesforce for order processing and they decide to consolidate their processes. Universal Containers has well-established channels for receiving orders, so they decide to use Universal Containers org for receiving and preprocessing of orders and Planetary Shipping's org for processing and fulfillment of orders.

What is the best way to integrate the business processes of the companies?

- A. Use Apex callout to push orders from Universal Containers to Planetary Shipping
- B. Use Salesforce-to-Salesforce integration between Universal Containers and Planetary Shipping
- C. Use Outbound messages to send orders from Universal Containers to Planetary Shipping.
- D. Use a Middleware tool to pull orders from Universal Containers and push to Planetary Shipping

Answer: B

NEW QUESTION 58

Universal Containers is building a mobile application that connects to Salesforce for reading and updating data.

What is the appropriate authentication solution?

- A. Create a mobile Integration user ID whose credentials are stored within the mobile application code.
- B. Prompt for the mobile user's username and Password; utilize the OAuth Username-Password flow to obtain an OAuth token.
- C. Redirect to Salesforce via the User-agent OAuth flow to obtain an access token and refresh token.
- D. Prompt for the mobile user's username and password; utilize the Enterprise WSDL login() operation to obtain a session ID.

Answer: C

NEW QUESTION 62

Universal Containers acquires Planetary Shipping and decides to migrate all customer contacts of Planetary Shipping into Universal Containers Salesforce org. Due to the lack of a common unique identifier, they decide that a combination of first name, last name, and street address could be used as a key to identify duplicate

contacts. These three fields are populated on all contacts in both the systems.

Which two methods should be considered to load contacts into Universal Containers org and avoid creation of duplicate contacts?

Choose 2 answers

- A. Create a new text field to contain a hashed value for (first name+last name + street number) in Universal containers org and define it as External ID.
- B. Create an indexed formula field for (first name+last name + street number) so that a search can be done on the key before loading records.
- C. Create a new formula field for (first name+last name + street number) in universal containers org and use it as External ID.
- D. Create no new fields, but define the three fields (first name+last name + street number) as External IDs in universal Containers org.

Answer: AB

NEW QUESTION 64

Universal containers has an ERP application where all customer orders are stored. There are millions of customer orders stored in the ERP application and a longtime customer may have thousands of individual orders. Additionally, some order information may house personally identifiable information that, due to company policy, can only be stored in ERP. Universal Containers would like the five most recent orders displayed on the account page in Salesforce. How should an architect design this requirement considering both security and scalability?

- A. Leverage the REST API to receive orders from the ERP system as they are created.
- B. Leverage Salesforce Lightning Connect to display order information in Salesforce.
- C. write an outbound message to receive orders from ERP system as they are created.
- D. Build a scheduled ETL job to sync all customer order history in the orders object.

Answer: A

NEW QUESTION 68

Universal Containers has a custom Salesforce UI that is used by all users to check on a container's status. This check is done via an integration to its back-end system which all users have access to. However, some users have a higher privilege access into that back-end system, which allows them to retrieve more details in the same container status check. Those users would like the same Salesforce UI to recognize their higher privilege access and display those extra details for them, but without allowing all users to see the same level of details.

What is the recommended security approach to satisfy this requirement?

- A. Named credential set with "per-user" identify type to control the Apex callout.
- B. Custom permission to control the Apex callout to retrieve different levels of details.
- C. Hierarchical custom setting to store back-end system user credentials and referenced in the Apex callout.
- D. Permission set to identify users with higher-level privileges in order to control the Apex callout.

Answer: A

NEW QUESTION 72

Universal Containers has Logistics Engineers that observe a near real-time dashboard in Salesforce of shipping containers that are in transit. Without leaving the dashboard, an Engineer can select a container to request an updated status on that container. These requests are handled by a proprietary shipping system that queues the requests to send to each container. Containers are connected devices and check in with the shipping system every 30 seconds to receive any status requests.

What integration pattern or combination of patterns would be needed to connect Salesforce and the shipping system?

- A. UI Update Based on Data Changes and Batch Data Synchronization
- B. Remote Process Invocation-Fire and Forget, with UI Update Based on Data Changes
- C. Remote Call-In, with UI Update Based on Data Changes
- D. Remote Process Invocation-Request and Reply

Answer: B

NEW QUESTION 77

Universal Containers (UC) wants to start sharing some of the information collected from customers in Salesforce to other systems. UC wants to start sharing some sales data (orders) with a third-party application to help forecast inventory. This is a web application that supports SOAP and REST interfaces to send and receive data.

What is the recommended solution for integrating with this product?

- A. Create a Submit to Forecast Button on the Order Page to send the data to the Web application via REST.
- B. Configure an Outbound Message to send a SOAP call via a Workflow rule to the Forecasting application on close.
- C. Create an APEX trigger that makes the REST callout to the Forecasting application with the data when the deal closes.
- D. Utilize a third-party ETL tool to synchronize the data from Salesforce to the Forecasting application using the Bulk API.

Answer: A

NEW QUESTION 78

Universal Containers is planning to use Bulk API instead of SOAP API to load 1 million activity records from Accounts, Opportunities, and Cases. Which are two advantages of using Bulk API over SOAP API?

- A. Bulk API needs fewer network round trips to complete the data load.
- B. Bulk API doesn't need a login to Salesforce and can process data offline.
- C. Bulk API doesn't need XML processing and can send data using CSV.
- D. Bulk API needs Partner WSDL, whereas SOAP API needs Enterprise WSDL.

Answer: AC

NEW QUESTION 79

Universal Containers (UC) has an existing web-based application that a group of employees use on a regular basis. These employees often have Salesforce and the web-based application open and find themselves manually moving the data between both. UC would like the two systems to be integrated so that the employees will see all the data in one screen without the need for manually updating the data.

What integration pattern can help accomplish this requirement?

- A. Use the Force.com canvas framework to embed the external application into Salesforce.
- B. Use Streaming API to create a push topic to send the message to the external system asynchronously.
- C. Use Rest API to pull data from Salesforce and update the external applicatio

Answer: A

NEW QUESTION 81

Universal Containers has a back-end ordering system that restricts access on a per-user basis, it was determined that a "Named Credential" will be used to allow per-user identity type access for all integration with the system. One of the requirements is to have order information sent to the system when the status changes to "Confirmed".

Which two valid integration scenarios can take advantage of such a security setup?

- A. Order information sent to the system via outbound message with session ID.
- B. Order information sent via a Visualforce page with an Apex callout.
- C. Order information inserted or updated via Salesforce Connect: OData 2.0.
- D. Order information sent via process builder via invocable method/future method callou

Answer: CD

NEW QUESTION 86

Universal Containers' Customer Service Managers wants to be automatically notified when a Customer Service Representative successfully closes a case. What is the recommended approach for the Service Manager to be notified in the Salesforce user interface without having to refresh the screen?

- A. Have the user refresh the standard Visualforce page to see closed case updates by setting up the refresh interval on the browser.
- B. Use a standard Visualforce page and embed JavaScript in the standard Visualforce page to refresh the porting of the standard page layout.
- C. Create a custom Visualforce page, subscribe to the "closed cases" push topic, and display alerts onscreen.
- D. Create a custom Visualforce page with a custom polling mechanism to poll for closed cases and display alerts on the Visualforce page.

Answer: C

NEW QUESTION 87

Universal Containers is integrating their Salesforce platform with their on-premise ERP system. As part of the test class design DML operations are to be performed before making the test callout. What capability does Salesforce provides to facilitate this?

- A. Perform the DML operation within the Test.StartTest and Test.Stop Test and make the callout within Test.StartTest and Test.StopTest block.
- B. Perform the DML operation outside the Test.StartTest and Test.StopTest and make the callout with the Test.StartTest and Test.StopTest block.
- C. Perform the DML operation inside the Test.StartTest and Test.Stop Test and make the callout outside the Test.StartTest and Test.Stop Test block.
- D. Perform the DML operation outside the Test.StartTest and Test.StopTest and make the callout outside of the Test.StartTest and Test.StopTest block.

Answer: B

NEW QUESTION 90

Universal Containers (UC) maintains the Customer Master outside of Salesforce and would like to sync the Customer records with Salesforce on a daily basis. UC has complex logic in the Account trigger and will have to test it for bulk inserts and updates. UC has been given a csv file with test data.

What is the recommended way to use this data in a test class?

- A. Load the customer-provided csv file as a static resource and refer to it in the test classes.
- B. Load the customer-provided csv file as a Chatter file and refer to it in the test classes.
- C. Load the customer-provided csv file under Documents and refer to it in the test classes.
- D. Load the customer-provided csv file to a custom object for testing and delete the test records after testing.

Answer: A

NEW QUESTION 92

Universal Containers (UC) is working with multiple partners to get lists of leads into the Lead aggregation system. These leads are imported into Salesforce as part of a daily batch integration through the ETL tool. UC observed that many times, leads are duplicated, as they are sourced from different partners.

Which two options should an Architect recommend to improve data quality?

- A. Extract Salesforce lead data into a staging table and use ETL to de-duplicate.
- B. Create a custom web service to identify duplicate leads and load.
- C. Design an ETL job to eliminate duplicates from the lead aggregation system.
- D. Use duplicate management rules on Lead to report duplicate record

Answer: CD

NEW QUESTION 95

Universal Containers (UC) uses several systems as part of their enterprise system landscape, including Salesforce and an ERP system. Salesforce is the master system for CRM data, such as Accounts and Opportunities. The ERP system is the master system for customer orders, shipping, and billing information. As part of their business process flow, when an order is created in the ERP system, it also needs to be created in Salesforce in real time.

Which two options should UC consider to ensure duplicate Orders are not created in Salesforce?

- A. Use outbound messaging to send a unique message ID to the ERP system.

- B. Use the upsert() function instead of create() to prevent the creation of unwanted duplicate records.
- C. Use a middleware tool to handle the responsibility for managing multiple duplicate calls.
- D. Customize the Apex web service REST call to send a unique message ID to the ERP system

Answer: BC

NEW QUESTION 99

UC leverages external MDM as the customer master. When an agent creates or updates an account in Salesforce, it must be created/updated in MDM before it is saved in Salesforce. Sales users should be allowed to navigate to other pages while the account record is saved. What is the recommended approach?

- A. Make an @future callout to MDM from a trigger with page refresh using Action region.
- B. Make a continuation callout from VF page controller with page refresh using Action poller.
- C. Make an asynchronous callout from VF page controller with page refresh using Action region.
- D. Make a synchronous callout from VF page controller with page refresh using Action region

Answer: B

NEW QUESTION 102

Universal Containers (UC) has multiple orgs with Sales and Service Cloud implementation to support different lines of business. UC is planning to consolidate Salesforce orgs to benefit from a 360-degree view of the customer based on revenue, support requests, and contracts. What should an Architect recommend?

- A. Use staging tables with an ETL tool for data cleaning and standardization.
- B. Use a custom REST service for data cleaning and standardization.
- C. Use a custom SOAP service for data cleaning and standardization.
- D. Use standard SOAP API for data cleaning and standardization

Answer: A

NEW QUESTION 104

Universal Containers would like to ensure that the server and client-side app's identity is mutually authenticated for all integrations. Which two of the integration patterns below support such authentication?

- A. Apex callout to the client-side app with the callout payload encrypted with custom Apex code.
- B. Outbound message received by client-side app that uses a Salesforce-provided client certificate.
- C. Apex callout with the client-side app that provides Salesforce with a CA-signed client certificate.
- D. Outbound message sent to a client-side app endpoint defined with a Per-User Named Credential

Answer: BC

NEW QUESTION 109

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