

# Exam Questions Integration-Architecture-Designer

Salesforce Certified Integration Architecture Designer (SP19)

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#### NEW QUESTION 1

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 2

Universal Containers is hearing complaints from users that recently released changes are breaking 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 3

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 ID

**Answer:** ACD

#### NEW QUESTION 4

Universal Containers has a customer setup process that relies on external database to send customers welcome & registration emails. When a customer contacts Universal Containers via phone they need to receive the welcome email shortly following the conversation with the UC representative. Universal Containers representatives work exclusively in Salesforce and any new customer contacts are created in Salesforce by the representative. The external database exposes a SOAP API for integration with other applications. What Salesforce technology best fulfills this requirement?

- A. Write a nightly batch synchronization to send customer information to the external database.
- B. Write an outbound message to send customer information to an ESB.
- C. Write an outbound message to send customer information to the external database.
- D. Write a trigger with an @future method to send customer information to the external database

**Answer:** C

#### NEW QUESTION 5

Universal Containers is hearing complaints from users that recently released changes while they meet the functional requirements are not actually usable and/or do not meet their expectations for user experience for example, a Visualforce page that takes too long to display the first page of data. Which two types of testing should a technical Architect implement to reduce or eliminate the complaint? Choose 2 answers

- A. user Acceptance Testing
- B. Unit Testing
- C. Regression Testing
- D. Performance testing

**Answer:** AD

#### NEW QUESTION 6

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 7

Universal Containers has used Outbound Messaging to integrate with their billing system. Their billing system has frequent outages that don't last more than a couple of hours.

Which two aspects of Outbound Messaging might the customer experience issues with as a result of these outages?

Choose 2 answers

- A. Out-of-order deliver
- B. B.Duplicate messages
- C. Orphaned Requests
- D. Exceeding Governor Limit

**Answer:** BD

#### NEW QUESTION 8

Universal Containers is building a native mobile application that queries and updates data in their Salesforce in real time

What statement is correct about the Salesforce APIs?

- A. Enterprise WSDL minimizes payload size.
- B. Rest API supports OAuth
- C. Enterprise WSDL supports WS-Security
- D. REST API supports WS-Security

**Answer:** B

#### NEW QUESTION 9

Universal Containers has an 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 green

screen ERP that must be taken offline to produce nightly production reports such as the inventory availability report used for this integration. The Salesforce integration frequently reports failures due to data validation errors.

Which two steps should the Technical Architect should recommend? Choose 2 answers

- A. Ask the ERP report designers to redesign the report to provide properly formatted data.
- B. Implements a regression testing policy to detect issues following development.
- C. Use SOAP headers to turn off validation rules and triggers during the integration.
- D. Review the Salesforce data model and Validation rules and modify the integration as necessary

**Answer:** BD

#### NEW QUESTION 10

Universal Containers has a requirement to query all Account records within Salesforce that were updated in the last 24 hours and download those Accounts to their data warehouse on a nightly basis. They expect the volume of records to be between 500-1500 records per day.

What three techniques should an Architect consider? Choose 3 answers

- A. Leverage a time-based workflow action to trigger an account outbound message notification for all records updated within the last 24 hours.
- B. Leverage the Enterprise WSDL getUpdated() operation to retrieve Account records updated within the last 24 hours.
- C. Leverage the Salesforce Data Replication API getUpdated() operation to retrieve Accounts records updated within the last 24 hours.
- D. Leverage a third party tool ETL with a dynamic changing SOQL to retrieve Accounts updated within the last 24 hours.
- E. Leverage the REST API / sObjects / Account / updated URI to retrieve Accounts records updated within the last 24 hours.

**Answer:** BCD

#### NEW QUESTION 10

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 13

What Salesforce technology should an Integration Architect consider when needing to securely expose an external system User Interface from within the Salesforce UI and provide that system with information about the user?

- A. Visualforce
- B. Custom Web Tab
- C. Canvas
- D. Lightning Component

**Answer:** C

#### NEW QUESTION 15

What are three capabilities of Salesforce to Salesforce(S2S)? Choose 3 answers

- A. Share reports and dashboards between Salesforce orgs.
- B. Automatically publish data from the publisher org.

- C. Manually consume data into the consumer org.
- D. Integrate data between Salesforce orgs via pre-built web service adapters.
- E. Publish data from the publisher's Account object to the consumer's Customer c objec

**Answer:** BCE

#### NEW QUESTION 18

Universal Containers has built an integration module to pull customer support tickets out of various systems and push them to Salesforce as cases. The integration was implemented using Salesforce SOAP API with batch size 200, and the jobs are scheduled to run every 30 minutes to make sure a job completes before the next job starts.

After going Live, they found that jobs are failing occasionally due to a "Max CPU time exceeded" error thrown from a trigger on the case. Reducing the batch size to 100 would resolve the issue, but the jobs would then take an average of 35 minutes to run. Which two options should be considered to resolve the issue and make sure a job completes before the next one starts?

Choose 2 answers

- A. No change to API options, and move the trigger code into a future method.
- B. No change to API options, and move the trigger code into a Queueable apex
- C. Bulk API with serial option and batch size 100, and no code changes
- D. Bulk API with parallel option and batch size 100, and no code change

**Answer:** AD

#### NEW QUESTION 23

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 objec

**Answer:** A

#### NEW QUESTION 24

Universal Containers has an external ERP that will manage inventory and initiate shipping logistics after an Opportunity is marked "Closed Won" in Salesforce. A "Shipping Number" needs to be written back to the Opportunity to track related records in the ERP. Sales Reps need to move quickly from one Opportunity to the next.

What integration pattern will satisfy the system reqs while maximizing the efficiency of the Sales Reps?

- A. Remote Process Invocation - Fire and Forget
- B. Batch Data Synchronization
- C. Remote Process Invocation - Request and Reply
- D. Remote Call-In

**Answer:** A

#### NEW QUESTION 28

Universal Containers send quotes to customers periodically when the customer contract is near

expiration. Quoting is generated by an external quoting engine. The VP recommends that the quote generated request should be sent one week prior to the contract expiration. The Quote engine

requires the latest account, contact, and contract information from Salesforce to generate the quote. What is the recommended solution?

- A. A scheduled batch Apex to gather additional information from Salesforce and make a sync callout to the quote engine.
- B. Workflow-initiated alert to the Sales Rep, who will submit a request from a custom controller in a Visualforce page.
- C. Workflow-initiated outbound message with a callback to gather additional information from Salesforce.
- D. Workflow-initiated Apex to gather additional information from Salesforce and make a sync callout to the quote engine.

**Answer:** A

#### NEW QUESTION 33

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 37

Developers at Universal Containers have created a custom command-line tool to help with their application lifecycle management by allowing them to deploy metadata changes such as page layouts, custom labels, and list views to their org using the Metadata API.

What integration pattern does this tool utilize?

- A. Request and Reply
- B. Fire and Forget
- C. Remote Call-In
- D. UI Update Based on Data Changes

**Answer:** A

#### NEW QUESTION 41

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 46

Universal Containers (UC) has integrations developed between Salesforce and back-end ERP applications. During peak load, UC is getting an error at the integration layer indicating, "Login Rate Exceeded". Which two recommendations would mitigate this issue?

- A. Use a different user for each integration.
- B. Set the permission login to never expire for the user.
- C. Cache the session ID to avoid a login call.
- D. Keep re-typing the login call until it's successful.

**Answer:** AC

#### NEW QUESTION 47

Universal Containers has a custom Visualforce page that makes a callout to an external service to show historical sales data from the warehouse. Due to heavy usage and slow response time of the external web service, Salesforce continues to hit the Apex Concurrent limit. Assuming that external web service response time can't be improved, what changes can be made to the custom Visualforce page and Apex Controller to avoid hitting the Apex Concurrent limit?

- A. Use @future annotation to make the HTTP Callout.
- B. Replace the standard HTTP Callout with Continuation.
- C. Invoke a Workflow Outbound message from the Apex trigger.
- D. Set a timeout on the web service HTTP callout.

**Answer:** B

#### NEW QUESTION 51

Universal Containers has a homegrown application that polls Salesforce using SOAP API every 2 minutes to obtain newly created case information. This causes both performance issues and API usage limits to be exceeded. What should an Architect recommend to improve performance and optimum use the API limits?

- A. Use an Apex callout to identify new case records and send them to the client.
- B. Use Streaming API to publish new case records to a push topic and subscribe to it.
- C. Use Generic Streaming to send push notifications of case creation events to the client.
- D. Use REST API to identify new case records in Salesforce every 15 minutes.

**Answer:** B

#### NEW QUESTION 54

Universal Containers wants to gather information from a third-party application to update shipping information for an order inside Salesforce. A salesperson could trigger an update and the user interface would refresh with the current status. Which are two recommended options for this when utilizing a Remote Process Invocation-Request and Reply pattern?

- A. A batch Apex job that performs an Apex SOAP or HTTP callout in a synchronous manner.
- B. A custom Visualforce page or button that initiates an Apex REST callout in a synchronous manner.
- C. A custom Visualforce page or button that initiates an Apex SOAP callout in a synchronous manner.
- D. A trigger that's invoked from Salesforce Data changes, performs an Apex SOAP in a synchronous manner.

**Answer:** BC

#### NEW QUESTION 59

Universal Containers has a data warehouse system that collects information from upstream systems in order to do proprietary reporting. Every day there are several thousand record insertions and updates in Salesforce that might be of interest to this data warehouse. Reports in the data warehouse are run at the end of the month.

What is a recommended way to transfer record insertions and updates to the data warehouse?

- A. Use the SOAP API's getUpdated() method to retrieve changed record IDs, then retrieve records.
- B. Use scheduled Apex to do an Apex callout to the data warehouse.

- C. Use native Outbound message functionality to send a message with each record change.
- D. Use a trigger to do an Apex callout to the data warehouse with each record change.

**Answer:** A

**NEW QUESTION 61**

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 records.

**Answer:** CD

**NEW QUESTION 64**

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 66**

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