

# Salesforce

## Exam Questions Integration-Architecture-Designer

Salesforce Certified Integration Architecture Designer (SP19)



**NEW QUESTION 1**

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 2**

Universal Containers is building a managed package to distribute on the AppExchange. As part of the solution they would like to include authentication information (username/password) inside of the package for web service calls made from the package Universal containers web services. A Salesforce security review has flagged this as a security violation and the architect must decide how best to protect these credentials

Which two methods should the architect consider in order to protect these credentials? Choose 2 answers

- A. Utilize named credentials to store the username/password of the web service end post.
- B. Utilize a custom object with an encrypted text field to store the username/password of the web service end point.
- C. Utilize protected custom settings to store the username/password of the web service end point.
- D. Store the username/password directly in the Apex class that will be obfuscated in the managed package.

**Answer: AC**

**NEW QUESTION 3**

Universal containers would like to restrict access to Salesforce to only clients on their network Which two mechanisms should an Integration Architect utilize to prevent unauthorized clients? Choose 2 answers

- A. Configure Login IP Ranges on any profiles used by Integration B.Use a login flow to validate the IP and request a 2nd factor if incorrect
- B. Use a trigger to change the user's profile if their IP is not trusted.
- C. Enable the "Lock sessions to the IP address from which they originated" settin

**Answer: AB**

**NEW QUESTION 4**

Universal containers utilizes the REST API to update the multiple Salesforce objects in real time based upon changes from their ERP system. They recently started encountering API Limits and have consulted the Integration Architect on possible solutions.

What two possible strategies should the architect consider? Choose 2 answers

- A. Migrate the integration to the partner WSDL to support 200 DML operations in a single API call.
- B. Migrate the integration to the Bulk API which does not count towards the API limits.
- C. Utilize the REST API batch URI to consolidate 100 DML operations into single API call.
- D. Utilize workflow outbound messaging which does not count towards the API limits.

**Answer: BC**

**NEW QUESTION 5**

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 6**

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 7**

Which tool would an architect likely leverage while diagnosing issues with an inbound RESTful integration to Salesforce?

- A. Workbench
- B. Data Loader
- C. Force.com SOAP Explorer
- D. Metadata audit trail

**Answer:** A

#### NEW QUESTION 8

What are two considerations to make when performing SOAP callouts from within Apex? Choose 2 answers

- A. SOAP callouts consume API limits.
- B. WSDL2Apex supports RPC-style SOAP callouts.
- C. WSDL2Apex can be used to generate stub code.
- D. SOAP callouts cannot occur after any DML statement

**Answer:** CD

#### NEW QUESTION 9

Which two approaches should an Integration Architect recommend to allow access to on-premise systems by Salesforce? Choose 2 answers

- A. Place the systems in aDMZ.
- B. Whitelist Salesforce IPs on the firewall.
- C. Utilize two-way(mutual) SSL
- D. Whitelist the corporate IPS in Salesforc

**Answer:** BC

#### NEW QUESTION 10

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 10

Universal Containers(UC) has a legacy application that tracks customer order status once the order has been sent to the fulfillment department this legacy application does not easily provide an API to integrate with Customer service reps need to be able to access the data from within Sales force and cannot be given separate logins to the application, UC does not have single-sign-on enabled.  
How should an architect solve this problem?

- A. Leverage canvas to display the legacy application within Salesforce.
- B. use the Streaming API to receive order updates in real time.
- C. Migrate the legacy application to Heroku and Integrate the database.
- D. Create a web-tab in Salesforce directly to the legacy applicatio

**Answer:** A

#### NEW QUESTION 11

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 12

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 17**

A system at Universal Containers needs to retrieve opportunity details(including line items and opportunity learn) and then update the opportunity with new information in real time, as one atomic operation.

What approach should an architect recommend that conserves API limits?

- A. Use a publisher action to update the data and callback to the other system.
- B. Use the generic streaming API to publish changes and listen for updates.
- C. Use the SOAP API to upsert the dat
- D. The API will then return all opportunity details.
- E. Use a custom Apex class with a webservice method that performs both actions.

**Answer:** D

**NEW QUESTION 22**

In order to avoid slowing down inbound call center sales agents, Universal Containers wants to deduplicate Lead records against their 3rd-party MDM system after that the agent has served the record in Salesforce.

What integration strategy should an Architect recommend?

- A. Outbound message to MDM with a callback to Salesforce to mark duplicate Leads.
- B. Sync the MDM system to a custom object in Salesforce and execute a Lookup validation rule against the object.
- C. Batch APEX process to de-duplicate all records first in Salesforce then against MDM, deleting the newest MDM record.
- D. Use Out-of-the-Box Lead De-duplication Rules to checkagainst MD

**Answer:** A

**NEW QUESTION 27**

try 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 leaded 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 contension on parent objects od Master-Details relationship.

**Answer:** CDE

**NEW QUESTION 31**

Universal containers is building an integration from their employee portal to salesforce Chatter.They would like their employee portal to read and write to the Chatter API on behalf of the employee using the portal.

What is the correct way to authenticate to the chatter API to meet this requirement?

- A. Use oAuth to authorize the portal to access the chatter API on behalf of the user.
- B. Use oAuth Which will pass their portal credentials to the chatter API.
- C. Use a chatter API integration user which authenticates to salesforce using oAuth.
- D. Use a chatter API integration user which authenticatesto Salesforce using Enterprise WSDL login().

**Answer:** C

**NEW QUESTION 34**

In which three ways can production data be moved into a sandbox for testing purpose?

- A. Refresh a Full Sandbox.
- B. Use the metadata API.
- C. Request a Snapshot from Support
- D. Refresh a Copy Sandbox.
- E. use the Apex Data Load

**Answer:** ADE

**NEW QUESTION 36**

An insurance company decides to build an online portal using the Salesforce platform for receiving quote requests from customers. The company has a legacy quoting system that will generate quotes while the rest of the sales process is managed by Salesforce Sales Cloud. The legacy system has an API for creating quotes.

What Implementation method should be used so that customers can request quotes online and receive them in real time?

- A. Middleware tool to pull quote requests from SF and push to the legacy system.
- B. Trigger with an @Future method to send quote requests to the legacy syste
- C. C.Outbound message to send quote requests from Salesforce to the legacy system.
- D. Apex callout to send quote requests from Salesforce to the legacy Syste

**Answer:** D

**NEW QUESTION 40**

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 41**

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 42**

Universal Containers has a batch integration that runs every five minutes to load Shipment records related to existing orders that have been updated in the previous five minutes. the integration is not reporting any errors, but some Shipment records are not being loaded. What could be the problem?

- A. Error reporting is not enabled in Salesforce.
- B. The integration takes more than five minutes to run.
- C. The integration is causing UC to exceed its API limits
- D. The Integration cannot find the parent orders for some Shipment

**Answer:** B

**NEW QUESTION 47**

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 51**

Universal Containers (UC) is planning to roll out a new Force.com app to a regional business unit. UC has partial copy and a full sandbox available for deployment. UC's Architect has been asked to design an environment strategy for integration testing and performance testing, as well as user acceptance testing.

What is the recommended use of available sandbox types that an Architect should consider?

- A. Use the partial copy for performance testing and full sandbox for integration and user acceptance testing.
- B. Use the full sandbox for performance and user acceptance testing and the partial copy for integration testing.
- C. Use the full sandbox for integration testing and the partial copy for user acceptance and performance testing.
- D. Use the full sandbox for user acceptance testing and use the partial copy for integration and performance testing.

**Answer:** B

**NEW QUESTION 53**

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 57

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 59

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 60

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 62

Universal Containers (UC) has Salesforce integrated with their mainframe system. All the orders placed in Salesforce are sent to the mainframe system in a nightly batch process.

Which two capabilities are required for middleware to support this integration?

- A. Support for Metadata API
- B. Extract, transform, and load
- C. Message queuing
- D. Synchronous transactions

**Answer:** BC

#### NEW QUESTION 67

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 70

Universal Containers (UC) is planning on a production release with a large data volume to be migrated to Salesforce from a back-office system. The incoming data is constantly being updated in the back-office system. UC would like to keep the data synchronized in near real-time in Salesforce. What is the recommended approach to achieve this?

- A. Use Bulk API for a one-time migration and an Apex web service call-in for an incremental load.
- B. Use Bulk API for a one-time migration and a SOAP API call-in for an incremental load.
- C. Use SOAP API for a one-time migration and a REST API call-in for an incremental load.
- D. Use Bulk API for a one-time migration and a Bulk API call-in for an incremental loa

**Answer:** A

#### NEW QUESTION 72

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 SOAD 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 and Apex SOAP in a synchronous manner

**Answer:** BC

**NEW QUESTION 73**

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 78**

Universal Containers (UC) uses Salesforce to create and manage accounts and opportunities. With Salesforce being the master of records, the opportunities on existing accounts are required to be updated with product usage statistics from an on-premise usage tracking system that is capable of participating in contract-first integration.

Which three steps should the Integration Architect consider given that UC does not want any custom development in Salesforce?

- A. Create a Workflow outbound message during Opportunity creation and provide the Opportunity ID and Session ID to the remote system.
- B. Use a REST API callback to update the Opportunity record with the product usage data from the remote system.
- C. Create a Process Builder outbound message during Opportunity creation and provide the Opportunity ID and Session ID to the remote system.
- D. Use a SOAP API callback to update the Opportunity record with the product usage data from the remote system.
- E. Generate a partner WSDL in Salesforce and provide it to the remote system to create a client stub

**Answer:** ADE

**NEW QUESTION 80**

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