

# Salesforce

## Exam Questions Integration-Architecture-Designer

Salesforce Certified Integration Architecture Designer (SP19)



#### NEW QUESTION 1

The use of custom development Should be minimized Which two solutions should the architect consider? Choose two options

- A. Utilizelightning connect with custom ApexAdapter to provided CRUD access to the data warehouse
- B. Utilize a canvas application to render the data warehouse data from within Salesforce
- C. Utilize a visual force page from 3rd party JavaScript library that will provide CRUD capabilities to the data warehouse.
- D. Utilize a 3rd party tool from the App-Exchange that will provide CRUD capabilities between the data warehouse and salesforce

**Answer:** A

#### Explanation:

3. Universal containers decided to use Salesforce sales cloud for their sales processes won Opportunities must be sent to external ERP system for order fulfillment. All the line items must also be sent along with Opportunities. The ERP system supports only SOAP- based messages for receiving orders

What limitation of outbound messages might present a problem in this scenario?

- A. Outbound messaging does not support multiple objects
- B. Outbound messaging does not support SOAP
- C. Outbound messaging cannot be made secure
- D. Outbound messaging does not offer any reliability.

#### 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

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 4

What are three capabilities of Salesforce Lightning Connect? Choose 3 answers.

- A. Write to OData - Compliant data sources without APEX.
- B. Read from OData - Compliant data sources without APEX.
- C. Associate external object records to Salesforce Account records.
- D. Write triggers and workflows on external objects.
- E. Write SOQL queries on external object.

**Answer:** BCE

#### NEW QUESTION 5

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 6

Universal Containers would like to display data from an external system inside of Salesforce, and has chosen not to enable lightning Experience. They do not need the data for any other purposes within Salesforce.

Which approach should an Integration Architect recommend that matches the Salesforce UI? Choose 2 answers

- A. An iFrame embedding a custom .Net application that displays data from the other systems.
- B. A custom visualforce page with a controller thats calls-out to the other systems.
- C. A custom Visualforce page with client- side calls out to the other systems.
- D. A middleware orchestration to continuously persist data from other systems into Salesforce

**Answer:** AB

**NEW QUESTION 7**

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 8**

Universal Containers is using the enterprise WSDL to integrate their financial system to Salesforce, while reading the release notes for the upcoming Salesforce release the architect discovers a new object will be added to the Salesforce data model that would be beneficial for the financial system integration. What two actions should the architect take to ensure the new object will be available to the financial system integration? Choose 2 answers

- A. Download the latest enterprise WSDL that contains the new object definition to generate Web service stubs for the new Salesforce object.
- B. Download the latest partner WSDL that contains the new object definition to generate web services stubs for the new Salesforce object
- C. Migrate to the partner WSDL to generate a generic sObject service stub that can be leveraged for existing and future Salesforce objects
- D. Migrate to the metadata API to download the new Salesforce sObject definition into the financial system integration.

**Answer:** AD

**NEW QUESTION 9**

Universal Containers has complex data transformation, error handling and process automation requirements as part of their integration strategy. What technology should an Architect recommend in order to minimize Salesforce code customizations?

- A. Data Loader
- B. Canvas
- C. Process Builder
- D. Middleware

**Answer:** D

**NEW QUESTION 10**

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 Salesforce 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 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 14**

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 17**

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 22

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 27

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 principal 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 ties 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 28

Universal Containers has an Outbound messaging-Based integration that posts closed opportunities to an ERP system for fulfillment in 1% of the test cases, the integration creates multiple orders for a closed opportunity

Which three steps should a Technical Architect take to diagnose the issue? Choose 3 answers

- A. Review the firewall logs to make sure that the outbound messages are being delivered.
- B. Review the Enterprise Service Bus logs to make sure that successful orders are being acknowledged
- C. Review at the outbound Messaging Deliverystatus logs to make sure that the messages are being delivered and acknowledged by the target system.
- D. Review the Enterprise Service Bus logs t make sure that orders are being created only one time.
- E. Review at the outbound Messaging Audit logs to make sure that the messages are being successfullyprocessed by the target system.

**Answer:** BCD

#### NEW QUESTION 33

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 t 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 36

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 necessar

**Answer:** BD

#### NEW QUESTION 41

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 44

Universal Containers has a requirement for users of a Validation page to be notified of data updates from Salesforce as well as message from other systems in real time.

Which three approaches should be considered when selecting the correct API? Choose 3 answers

- A. REST API to continuously poll Salesforce for updates to records.
- B. Generic Streaming API to support notifications coming from other systems.
- C. Streaming API to support push notifications to users on mobile devices using Salesforce1.
- D. Utilize ActionPoller to perform an Apex Callout to the external system to retrieve data.
- E. Streaming API to support real-time data updates by other users within Salesforce

**Answer:** CDE

#### NEW QUESTION 45

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 50

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 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 53

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 authenticates to Salesforce using Enterprise WSDL login().

**Answer:** C

#### NEW QUESTION 57

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 for 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 62

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 definitio

**Answer:** ABC

**NEW QUESTION 64**

What are the two considerations of Apex REST services that an integration architect should keep in mind when building custom integrations?  
Choose 2 answers

- A. They cannot utilize publisher actions.
- B. They require unit and functional testing
- C. They cannot be built or maintained declaratively
- D. They consume more API limits than SOAP or REST API

**Answer:** AC

**NEW QUESTION 66**

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. Occasionally(less than 1 time per month) a product record fails to update due to a data validation issue that cannot be predicted in advance. How should Universal Containers monitor this nightly batch import of data into Salesforce so that any error can be corrected promptly?

- A. Configure an Enterprise Server Monitoring tool to process ETL success and failure logs.
- B. Configure Salesforce to email an administrator when Bulk API batches fail.
- C. Monitor the Bulk Data Load Jobs page daily for failed batches
- D. Configure the ETL middleware to notify an administrator via email when a record update fail

**Answer:** C

**NEW QUESTION 68**

What are two reasons an existing custom field cannot be marked as External ID? Choose 2 answers

- A. Maximum number of External IDs allowed on an object has been reached,
- B. Maximum number of fields of an object has been reached.
- C. Maximum number of skinny tables has been reached.
- D. Maximum number of indexes allowed on an object has been reached

**Answer:** AD

**NEW QUESTION 70**

Universal Containers sells its products online using a system built on Force.com sites. The orders are captured and processed in Salesforce. The company uses an external marketing system and would like to make use of the customer data captured in Salesforce. The marketing system has REST API that can be used to push data into it.

Which three options should a Technical Architect consider that do not require building custom web services on the marketing system?  
Choose 3 answers

- A. Write a custom Apex web service, which will be called from the marketing system to retrieve customer data.
- B. Use Apex callout to send customer data from Salesforce to the marketing system
- C. Use a middleware tool to pull customer data from Salesforce and push it to the marketing system on a daily basis.
- D. Build a custom Java application using the Enterprise WSDL to pull data from Salesforce and push it to the marketing system.
- E. Use outbound messages to send customer data from Salesforce to the marketing system

**Answer:** ABE

**NEW QUESTION 75**

Universal Containers decided to use Salesforce Sales Cloud for their sales processes. Won Opportunities must be sent to an external source for Order fulfillment. All list items must also be sent, along with opportunities. The ERP system has SOAP based web services orders. UC chose to use Apex callouts.

Which two design trade-offs must be taken into account when using Apex callouts to SOAP based web services?  
Choose 2 answers

- A. Too many callouts resulting in exceeding the daily limit for number of callouts.
- B. Code changes may be required following upgrades to the ERP system.
- C. DML operations are not allowed right after Apex callouts.
- D. Appropriate error handling to retry failed message

**Answer:** AC

**NEW QUESTION 77**

Universal Containers is currently doing User Acceptance Testing for small changes in a Developer sandbox. Users are complaining that allow 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 78

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 81

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 84

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 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 85

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 89

Universal Containers is replacing a home-grown CRM system. Currently, a .Net application runs a batch process to query the CRM system nightly and create a CSV file that is picked up via SFTP and loaded to a SQL database.

What technology should an architect use to minimize custom development when replacing the CRM system with Salesforce?

- A. Outbound messaging
- B. APEX Batch
- C. APEX Callout
- D. Middleware

**Answer: D**

#### NEW QUESTION 92

Universal Containers (UC) sends Order data to an external ERP system via ESB. UC sends an outbound message on update or Order to ESB. Once ESB completes creating the Order in the backend ERP, it sends back the Order with the Order Number from the ERP. During development, UC is experiencing an issue. When the Order is updated by ESB, it again fires a workflow rule that sends the outbound message again.

Which two recommended steps can be done to prevent this looping issue?

- A. Write an Apex trigger to send an outbound message to ESB.
- B. Update workflow rule conditions to exclude the ERP Order Number field update.
- C. Update workflow rule conditions to exclude the Integration User.
- D. Update the outbound message to exclude the Integration User.
- E. Update workflow rule conditions to exclude the ERP Order Number field update

**Answer: C**

#### NEW QUESTION 93

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 94

Universal Containers (UC) has Wave Analytics in their Salesforce org. UC has expertise and access to the Dell boomi ETL tool. UC would like to get all leads and opportunities from the org and data from a few other Marketing tools to a Wave instance for enhanced analysis.

What is the recommended solution to set up the data process?

- A. Dell boomi for data from Salesforce and data from other sources.
- B. Wave Data flow for Salesforce data and Dell boomi for data from other sources.
- C. Export data from all sources into Excel and use Wave connector to import data.
- D. Use Wave data flow for Salesforce data and data from other source

**Answer: B**

#### NEW QUESTION 97

Universal Containers is planning to develop a native mobile app for their employees to interact with Salesforce.

Which two options should the Architect recommend?

- A. Leverage Identity Product
- B. Leverage SOAP API
- C. Leverage Message Queue Product
- D. Leverage REST API
- E. Leverage Identity Product

**Answer: D**

#### NEW QUESTION 101

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 105

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 107

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 111

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 115

Universal Containers is using Sales Cloud with Order Capture. It has been integrated with an SAP system for Order fulfillment. The SAP system sends the Order status updates to Salesforce on a nightly basis. The SAP system tracks Order status more granularly than required by Salesforce. Which two options should an Architect recommend to address different statuses in Salesforce and SAP?

- A. Create a batch Apex to run on a daily basis, which converts order status to pre-defined order status.
- B. ETL Change Data Capture interface to send only required status updates to Salesforce.
- C. ETL change Data capture interface transforms the SAP order statuses to Salesforce order status.
- D. Update the SAP Order fulfillment process to match Salesforce Order Statuses against the SAP order status.

**Answer: BC**

#### NEW QUESTION 118

Universal Containers would like to send all the closed opportunity records to the back-end legacy order management system. The order management system exposes REST API endpoints. What is the recommended approach to send the data to the order management system?

- A. Workflow Outbound SOAP API message to a middleware system.
- B. Workflow Outbound SOAP message to the order management system.
- C. Workflow Outbound SOAP message to a middleware system.
- D. Workflow Outbound REST message to the order management system.

**Answer: C**

#### NEW QUESTION 121

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 123

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 128

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 provide to facilitate this?

- A. Perform the DML operation within the Test.StartTest and Test.StopTest 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.StopTest and make the callout outside the Test.StartTest and Test.StopTest 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 130

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 minute

**Answer:** B

#### NEW QUESTION 132

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 136

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 139

Customer Support Reps at Universal Containers (UC) work on a Case record in Salesforce while talking to a customer on the phone about a piece of machinery they have purchased from UC. This machine is a connected device and sends data packets to UC as the customer presses buttons on the machine.

What integration pattern will allow the support Rep to watch their screen and diagnose problems customer is having in near real-time?

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

**Answer:** A

#### NEW QUESTION 144

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 146

Universal Containers needs to send order details to the ERP system using an Apex callout to a REST API via HTTPS. The client has concerns with the integration's security and insists that such order details should be transmitted securely.

Which two approaches should be used to ensure secure transmission of data from Salesforce to the ERP's REST API?

- A. The REST API should be SSLO enabled with a CA-signed certificate.
- B. The order details should be passed in a URL parameter in the REST API endpoint.
- C. The REST API should be SSL enabled with a Salesforce client certificate.
- D. The order details should be passed in the body of the REST API callou

**Answer:** AD

#### NEW QUESTION 151

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 a 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 chang

**Answer:** A

**NEW QUESTION 156**

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 regio

**Answer:** B

**NEW QUESTION 160**

Universal Containers (UC) manages all of their customer information on the Sales Cloud. UC would like to view real-time order information from their ERP system, and also update the ERP system with service information from Salesforce that relates to the orders. UC's ERP system supports OData 4.0. Which two options are recommended to achieve the desired functionality?

- A. Set up data replication for order and service data syncing.
- B. Use an Apex callout to look up order information on the ERP system.
- C. Use Salesforce connect for looking up order information from ERP.
- D. Use Salesforce connect to write service data into UC's ERP syste

**Answer:** CD

**NEW QUESTION 164**

Universal Containers (UC) has many existing applications, including Salesforce, that their users access. UC would like to integrate these applications with Salesforce so that users can accomplish all of their tasks in one user interface. What is the recommended solution for integrating these applications into Salesforce?

- A. Set up the external applications as Connected apps into the Salesforce user interface.
- B. Use streaming API to integrate these applications into the Salesforce user interface.
- C. Set up the external applications as Canvas apps into the Salesforce user interface.
- D. Connect the external applications into the Salesforce user interface using Salesforce Connec

**Answer:** C

**NEW QUESTION 167**

Universal Containers has a call center that would like to have a dashboard that updates in real time and shows information about phone calls that have been completed today (recorded in the Activity object). There are several teams in the call center, and each dashboard should only show calls from that team. An employee can start the board each morning, but after that no further user interaction should be needed. What is a recommended pattern that would minimize implementation time?

- A. Develop a Visaulforce page that uses the Steaming API.
- B. Use Heroku to develop a dashboard page that uses the REST API.
- C. Use native Salesforce dashboard functionality
- D. Develop a Visualforce page that uses JavaScript Remotin

**Answer:** A

**NEW QUESTION 170**

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