

Salesforce

Exam Questions Integration-Architecture-Designer

Salesforce Certified Integration Architecture Designer (SP19)



NEW QUESTION 1

Universal Containers has decided that they will be using the bulk API to migrate the existing data into Salesforce as they will be importing a total of 80 million records.

While planning for the data migration, what techniques should the Architect recommend to make sure the load go according to schedule?

Choose 2 answers

- A. Pre-process data that the triggers and workflows can be deactivated.
- B. Perform a test load using a full Sandbox prior to the Production load.
- C. Perform loads over a weekend server resource availability.
- D. Leverage several workstations, loading different objects simultaneous

Answer: AB

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

As part of their customer setup process. Universal containers requires that any address put into Salesforce be validated by the US Postal Service.

The customer must provide their address while they are on the phone with the Universal Containers representative.

What two solutions should a Technical Architect recommend to fulfill this requirement? Choose 2 answers

- A. Implement a VisualForce page that validates entered addresses against an API.
- B. Write a trigger with an @future callout that validates addresses against an API.
- C. Build a custom Address object and a trigger that will validate the address against the object.
- D. Leverage an Appexchange application to validate addresses entered

Answer: AD

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 Container needs to integrate Salesforce with several home-grown systems. These systems require custom code to be written in order to integrate with them, and the CIO argues that if custom code needs to be written, then there is no reason to invest in middleware

Which three considerations should an Architect bring up to the CIO? Choose 3 answers

- A. Performance
- B. Error Handling
- C. Bulkification
- D. Orchestration
- E. Logging

Answer: BDE

NEW QUESTION 6

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 custom module 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 7

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" setting

Answer: AB

NEW QUESTION 8

Universal Containers manages a catalog of over one million products that it makes available to its customers. The master product catalog is stored and managed in their ERP application with frequent updates made to the product catalog by their sourcing team. The sourcing team may update attributes such as price, general catalog availability, and the product description. When the sourcing team makes an update that change must go into effect during the next business day and there may be thousands of changes made over the course of the day.

What integration pattern would you recommend to best manage this scenario?

- A. Write a custom web service to accept product catalog changes from ERP.
- B. Use the streaming API to receive product changes in real time from ERP.
- C. Write an outbound message to send product changes in real time from ERP.
- D. Build a scheduled ETL job to sync products on a nightly basis from ERP

Answer: D

NEW QUESTION 9

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 10

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. Integrate to the metadata API to download the new Salesforce sObject definition into the financial system integration.

Answer: AD

NEW QUESTION 10

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 15

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 19

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 24

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 25

Universal Containers has decided that acquisition of other companies will be a key focus of their growth for the next several years. All acquired customer service agents will use UC's pre-existing customer support process built in Salesforce. The ERP application at any acquired company will not be immediately replaced, and customer service agents must be able to see up-to-date order status from all ERP systems.

What recommendation should a technical Architect make to minimize complexity during new acquisitions?

- A. Use custom Linksto direct users to the appropriate ERP system to view order status.
- B. Build all Integrations as nightly ETL batches to minimize real-time overhead.
- C. Leverage Apex callouts to integrate directly with acquired applications.
- D. Use an ESB to abstract the Salesforce integration from other enterprise application

Answer: B

NEW QUESTION 29

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 33

What are two benefits an Integration Architect should consider when recommending web-to-lead? Choose 2 answers

- A. Web-to-Lead requests have their own limits separate from other APIs.
- B. Web-to-Lead is a simple way to capture responses to marketing landing pages.
- C. Web-to-Lead can be utilized for Lead data migrations.
- D. web-to-Lead can be used to de-duplicate leads during integration

Answer: AB

NEW QUESTION 36

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 40

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 45

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 49

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 51

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 54

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 55

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 58

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 62

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 67

What are two benefits of canvas that an Integration Architect should consider when exposing external systems from within Salesforce?
Choose 2 Answers

- A. Canvas can provide authorization information via the signed Request.
- B. The canvas SDK can be used to make an external systems UI look like Salesforce.
- C. Canvas can send data to an external system asynchronously.
- D. Canvas endpoint URLs can be dynamically changed via a Lifecycle Handle

Answer: AD

NEW QUESTION 70

Universal containers merges with planetary shipping both companies use Salesforce for order processing and they decide to consolidate for 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 Shippin

Answer: B

NEW QUESTION 74

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 79

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 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 83

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 85

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 90

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 94

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 99

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 101

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 callout

Answer: CD

NEW QUESTION 103

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 104

Universal Containers requires Salesforce to send expense data to an accounting system. Each user has their own username/password credential to access the account system via integration.
What is a recommended option for an integration approach from a security perspective?

- A. Set up a Named-Principal Named Credential and have the administrator set up the username/password.
- B. Set up a Per-User Named Credential and have the users each set up their username/password.
- C. Fire outbound messages to a middleware that stores the credentials instead of an Apex callout.
- D. Use hierarchical custom settings to store the username/password allowing the Apex callout to read it.

Answer: B

NEW QUESTION 109

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 111

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 112

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 115

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 syste

Answer: BC

NEW QUESTION 119

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 121

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 124

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 129

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