

Integration-Architecture-Designer Dumps

Salesforce Certified Integration Architecture Designer (SP19)

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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 simultaneousl

Answer: AB

NEW QUESTION 2

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

How should an Architect fulfill this requirement?

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

Answer: C

NEW QUESTION 3

Which two automated methods should an architect use to solve an issue with duplicate contacts? Choose 2 answers

- A. Write a Batch Apex class to manage the deduplication
- B. Assign new contacts to queues to be reviewed by a data quality team.
- C. Leverage an AppExchange data management toolto de-duplicate contacts.
- D. Enable duplicate management in the org to prevent duplicate

Answer: CD

NEW QUESTION 4

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

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

Answer: BD

NEW QUESTION 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

Which mechanism should an Integration Architect recommend to make a secure, authenticated connection to a remote system that results in the remote system trusting Salesforce?

- A. Encrypt the Payload with a shared key.
- B. Use a pre-shared key in a query parameter.
- C. Implement two way (or mutual) SSL certificates.
- D. Utilize CA - signed certificates on the hos

Answer: D

NEW QUESTION 7

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

- A. Base64 encode the data before performing the call out from Apex.

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

Answer: A

NEW QUESTION 8

Universal containers 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 9

What should an integration Architect consider when building a Visualforce page that makes client-side calls to multiple domains that may violate the browser's same-origin policy? Choose 2 answers

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

Answer: AD

NEW QUESTION 10

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 delivery
- B. B. Duplicate messages
- C. Orphaned Requests
- D. Exceeding Governor Limit

Answer: BD

NEW QUESTION 10

Universal Containers has two integrations to Salesforce; System A requires read-only access to all Opportunity data while System B requires read-write access to all Accounts. Which approach ensures compliance with the principle of least privilege?

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

Answer: C

NEW QUESTION 14

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 a DMZ.
- B. Whitelist Salesforce IPs on the firewall.
- C. Utilize two-way (mutual) SSL
- D. Whitelist the corporate IPs in Salesforce

Answer: BC

NEW QUESTION 18

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 header set to "JSON."

Answer: C

NEW QUESTION 23

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 27

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 32

What are two scenarios that utilize the chatter REST API? Choose 2 answers

- A. When integrating chatter into custom mobile apps.
- B. When migrating Opportunity data.
- C. When uploading large files.
- D. When posting status updates to social medi

Answer: AD

NEW QUESTION 34

The Integration Team at Universal Containers is frustrated because the developers keep changing the data model and trigger behaviors during development, resulting in frequent rework and unexpected bugs lade in the development process. What two recommendations should a Technical Architect make to resolve this issue? Choose 2 answers

- A. Implement a Regression Testing policy to catch issues earlier in the development process.
- B. Use a requirements traceability matrix to track data model changes back to the requirement that prompted them.
- C. Implement a continuous Integration process to identify issues earlier in the development process.
- D. Encourage code developers and integration developers to work in separate sandboxes

Answer: BC

NEW QUESTION 36

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 38

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

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

Answer: D

NEW QUESTION 39

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-Detail relationship.
- E. Define a custom WSDL based upon an Apex Interface class definition.

Answer: ABC

NEW QUESTION 41

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 42

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 fails

Answer: C

NEW QUESTION 47

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 49

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

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

Answer: B

NEW QUESTION 52

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 57

Universal Containers acquires Planetary Shipping and decides to migrate all customer contacts of Planetary Shipping into Universal Containers Salesforce org. Due to the lack of a common unique identifier, they decide that a combination of first name, last name and street address could be used as a key to identify duplicate contacts. These three fields are populated on all contacts in both the systems. Which two methods should be considered to load contacts into Universal Containers org and avoid creation of duplicate contacts?
Choose 2 answers

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

Answer: AB

NEW QUESTION 62

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 65

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 69

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 70

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 72

Universal Containers (UC) would like to provide near real-time updates on their customer-facing external portal when a Sales Manager approves a new feature that is recommended by a customer.

UC has no middleware, and the portal exposes a REST API therefore, UC is considering a custom-built system process to handle the integration.

What is the recommended approach for the custom-built system process to retrieve updates in near real-time?

- A. Leverage a related push topic that pushed information to the portal client.
- B. Leverage a Streaming API client to subscribe to the related push topic.
- C. Leverage Canvas to send information to the portal whenever an idea is voted on.
- D. Leverage an outbound message to the portal whenever an idea is voted on the saved.

Answer: B

NEW QUESTION 77

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 80

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 84

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 successfu

Answer: AC

NEW QUESTION 86

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

what changes can be made to the custom Visualforce page and Apex Controller to avoid hitting the Apex Concurrent limit?

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

Answer: B

NEW QUESTION 89

Universal Containers (UC) wants to connect their on-premise ERP system to view Order data in Salesforce. UC is considering a solution to integrate the on-premise system using Salesforce Connect via OData.

Which three considerations should an Architect keep in mind when recommending use of Salesforce Connect?

- A. Customer wants the ability to query external data using Global Search and reports.
- B. Customer does not want real-time access to the ERP data and is willing to wait for hourly refreshes.
- C. Customer wants to create a master-detail relationship between Opportunity and the external object.
- D. Customer needs to query small amounts of data at any time and display using a related list.
- E. Customer has a large amount of data that they do not want to load into Salesforc

Answer: ADE

NEW QUESTION 92

Universal Containers has 1,200 active users. Up until last year, they were creating a maximum of 200,000 orders a day. This year because of a new product launch, they are creating a maximum of 300,000 orders per day. They have a trigger on the Order object that has a @future method inside, which it calls via an external web service hosted on middleware. Due to this sudden growth, they have started seeing delays in web service calls where some of the calls are delayed for a few hours. What can be issue for this delay and what integration pattern would an Architect recommend?

- A. The system is reaching daily limits of @future call
- B. Replace the HTTP Callout with a Workflow Rule and Outbound messages.
- C. The system is reaching daily limits of web service callout
- D. Batch web service callouts to stay under the limit.
- E. The system is reaching daily limits of @future call
- F. Remove @future annotation and call the web service directly from the trigger.
- G. The system is reaching daily limits of web service callout
- H. Create a ticket to Salesforce support to increase the limit.

Answer: A

NEW QUESTION 94

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 97

Universal Containers has a requirement to update the Salesforce Account object any time the corresponding account is updated within their financial system. Which three Salesforce capabilities should the Architect consider?

- A. Partner WSDL because of a requirement to utilize SOAP-based web services.
- B. Partner WSDL because of a requirement to dynamically inspect field names during runtime.
- C. Streaming API because of a requirement to dynamically inspect field names during runtime.
- D. Enterprise WSDL because of a requirement to utilize SOAP-based services
- E. Partner WSDL because of a requirement to utilize REST-based web services

Answer: ABD

NEW QUESTION 99

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 101

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 system

Answer: CD

NEW QUESTION 102

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 107

Universal Containers leverages Sales Cloud as their sales platform. For every opportunity, three backoffice systems need to be updated online in parallel under a single transaction, Unit of Work. If an update to one of the systems fails, a rollback is required for all successful updates in the transaction. Each system exposes different Services for the update and Call to the Services may take more than 10 seconds. Which two options should an Integration Architect introduce to support this requirement?

- A. Salesforce Outbound Messaging
- B. Integration Middleware
- C. Message-oriented Middleware
- D. Salesforce Continuation

Answer: AC

NEW QUESTION 109

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