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Pass Salesforce Integration Architecture Designer Integration-Architect Exam With 108 Questions

## Salesforce Integration-Architect Exam Syllabus Topics:

TopicDetailsTopic 1- Given a use case, identify reporting needs for integration monitoring- Identify functional and non-functional requirements needed for integrationTopic 2- Create a security solution for inbound or outbound integrations- Identify and classify data into Confidential- Secure- PublicTopic 3- Given an existing system landscape diagram, create an inventory of the systems and integration patterns- Identify the considerations when choosing the right option in making an outbound call to an external systemTopic 4- Define the components which create a solution that meets business requirements- Given a use case and business process, evaluate system and process constraintsTopic 5- Identify the appropriate error handling, escalation and recovery procedures for a failed integration- Identify the integration pattern that meets business requirementsTopic 6- Given a set of requirements, evaluate the authentication and authorization needs based on the system landscape- Identify performance monitoring needs for integration requirements

## QUESTION 13

A large enterprise customer operating in a high regulated industry is planning to implement Salesforce for customer facing associates in both Sales and Service, and back office staff. The business processes that Salesforce supports are critical to the business.

Salesforce will be integrated to multiple back office systems to provide a single interface for associates. Reliability and monitoring of these integrations is required as associates support customers.

Which integration solution should the architect consider when planning the implementation?
* Architect Services in back office systems to support callouts from Salesforce and build reliability, monitoring and reporting capabilities.
* Decouple back office system callouts into separate distinct services that have inbuilt error logging and monitoring frameworks.
* Build a custom integration gateway to support back office system integrations and ensure reliability and monitoring capabilities.
* Leverage Middleware for all back office system integrations ensuring real time alerting, monitoring and reporting capabilities.

## QUESTION 14

Universal Containers has a requirement for all accounts that do NOT qualify for a business extension (Custom field on the account record) for the next month to send a meeting invite to their contacts from the marketing automation system to discuss the next steps. It is estimated there will be approximately 1MilIion contacts per month.

What is the recommended solution?
* Use Batch Apex.
* Use Time-based workflow rule.
* Use Process builder.
* Use Trigger.

## QUESTION 15

A healthcare services company maintains a Patient Prescriptions System that has 50+ million records in a secure database. Their customer base and data set growing rapidly. They want to make sure that the following policies are enforced:

1. Identifiable patient prescriptions must exist only in their secure system&#8217;s databaseand encrypted at rest.

2. Identifiable patient prescriptions must be made available only to people explicit authorized in the Patient Prescriptions System assigned nurses anddoctors, patient, and people explicitly the patient may authorize.

3. Must be available only to verified and pre-approved people or legal entities.

To enable this, the company provides the following capabilities:

1. One-time use identity tokens for patients, nurses, doctors, and other people that expire within a few minutes.

2. Certificates for legal entities.

. RESTful services.

The company has a Salesforce Community Cloud portal for patients, nurses, doctors, and other authorized people. A limited number of employees analyze de identified data in Einstein Analytics.

Which two capabilities should the integration architect require for the Community Cloud portal and Einstein Analytics?

Choose 2 answers
* Identity token data storage
* Bulk load for Einstein Analytics
* Callouts to RESTful services
* Encryption in transit and at rest

## QUESTION 16

An Integration Architect has built a Salesforce application that integrates multiple systems and keeps them synchronized via Platform Events.

What is taking place if events are only being published?
* The platform events are published immediately before the Apex transaction completes.
* The platform events are published after the Apex transaction completes.
* The platform events has a trigger in Apex.
* The platform events are being published from Apex.
https://developer.salesforce.com/docs/atlas.en-us.platform_events.meta/platform_events/platform_events_define_ui.htm

## QUESTION 17

Northern Trail Outfitters&#8217; ERP is integrated with Salesforce and syncs several million contacts per day. To prevent specific data from syncing, the integration uses a SOQL query filtered by sharing hierarchy.

Which two things should an architect do to improve the performance of the integration?

Choose 2 answers
* Include non-selective criteria in query filters.
* Remove the query filters.
* Include selective criteria in query filters.
* Remove the sharing restrictions.
https://help.salesforce.com/articleView?id=000325247&type=1&mode=1

## QUESTION 18

An integration architect needs to build a solution that will be using the Streaming API, but the data loss should be minimized, even when the client re-connects every couple of days.

Which two types of Streaming API events should be considered?

Choose 2 answers
* Generic Events
* Change Data Capture Events
* PushTopic Events
* High Volume Platform Events

## QUESTION 19

Northern Trail Outfitters needs to use Shield Platform Encryption to encrypt social security numbers in order to meet a business requirement.

Which two considerations should an Integration Architect do prior to the implementation of Shield Platform Encryption?

Choose 2 answers
* Encrypt the data using the most current key.
* Review shield platform encryption configurations.
* Encrypt all the data so that it is secure.
* Use Shield Platform Encryption as a user authentication or authorization tool.

## QUESTION 20

A company wants to standardize exception tracking, handling, and analytics. Given the following actions:

1. Build a company wide logging service hosted on a middleware platform

2. Create case object records for exceptions based thresholds

3. Change all their Apex Loggers to publish Application Exceptions as custom Platform Events.

Which two specifications should the integration architect include in the logging service architecture?

Choose 2 answers
* Receive Application Events through Change Data Capture (CDC).
* Create Salesforce Cases using the Salesforce REST, SOAP or Bulk API.
* Create Salesforce Cases conditionally using automatic Case creation rules.

* Subscribe to the Application Exceptions using the Salesforce Streaming API.

**QUESTION 21**

Universal Containers (UC) is a leading provider of management training globally, UC requested students course registration data generated from the Salesforce student community to be synced with the learning management system (LMS). Any update to the course registration data needs to be reflected in the LMS.

Which integration mechanism should be used to meet the requirement?
* Change Data Capture (CDC)
* Platform Event
* Streaming API
* Outbound Message

**QUESTION 22**

What is the first thing an Integration Architect should validate if a callout from a Lightning Web Component to an external endpoint is failing?
* The endpoint domain has been added to Cross-Origin Resource Sharing.
* The endpoint URL has been added to Content Security Policies.
* The endpoint URL has added been to an outbound firewall rule.
* The endpoint URL has been added to Remote Site Settings.

**QUESTION 23**

A company in a heavily regulated industry requires data in legacy systems to be displayed in Salesforce user interfaces (UIs). They are proficient in their cloud-based ETL (extract, transform, load) tools. They expose APIs built on their on-premise middleware to cloud and on-premise applications.

Which two findings about their current state will allow copies of legacy data in Salesforce?

Choose 2 answers
* Only on-premise systems are allowed access to legacy systems.
* Cloud-based ETL can access Salesforce and supports queues.
* On-premise middleware provides APIs to legacy systems data.
* Legacy systems can use queues for on-premise integration.

**QUESTION 24**

An architect recommended using Apex code to make callouts to an external system to process insurance quote.

What should the integration architect consider to make sure this is the right option for the integration?
* The maximum callouts in a single Apex transaction.
* The maximum number of parallel Apex callouts in a single continuation.
* The limit on long-running requests (total execution time).
* The limit of pending operations in the same transaction.

**QUESTION 25**

The director of customer service at Northern Trail Outfitters (NTO) wants to capture and trend specific business events that occur in

Salesforce in real time. The metrics will be accessed in an ad-hoc manner using an external analytics system. The events that are of interest are:

A customer has initiated a product exchange via a Case A customer service rep clicks on the &#8220;Authorize Exchange Product&#8221; menu item on the Case A customer has initiated a subscription cancellation via a Case A customer service rep clicks on the &#8220;Initiate Refund&#8221; menu item on the Case Which two solutions will meet these business requirements?

Choose 2 answers
* Case after insert Trigger that executes a callout.
* Case Workflow Rule that sends an Outbound Message.
* Case after insert Trigger that publishes a Platform Event.
* Custom Apex controller that publishes a Platform Event.

## QUESTION 26

Northern Trail Outfitters (NTO) has recently implemented middleware for orchestration of services across platforms. The ERP system being used requires transactions be captured near real time at a REST endpoint initiated in Salesforce when creating an order object. Additionally, the Salesforce team has limited development resources and requires a low code solution.

Which two options will fulfill the use case requirements?

Choose 2 answers
* Use Remote Process Invocation fire and forget pattern on insert on the order object using Flow Builder.
* Implement a Workflow Rule with Outbound Messaging to send SOAP messages to the designated endpoint.
* Implement Change Data Capture on the order object and leverage the replay Id in the middleware solution.
* Use a process builder to create a Platform Event, selecting the record type as the Platform Event Name on insert of record.

## QUESTION 27

Northern Trail Outfitters has a registration system that is used for workshops offered at its conferences. Attendees use a Salesforce community to register for workshops, but the scheduling system manages workshop availability based on room capacity. It is expected that there will be a big surge of requests for workshop reservations when the conference schedule goes live.

Which integration pattern should be used to manage the influx in registrations?
* Remote Process Invocation-Request and Reply
* Remote Process Invocation-Fire and Forget
* Batch Data Synchronization
* Remote Call-In

## QUESTION 28

Northern Trail Outfitters is seeking to improve the performance and security of outbound integrations from Salesforce to on-premise servers.

What should the Architect consider before recommending a solution?
* External gateway products in use
* A Default gateway restrictions
* Considerations for using Deterministic Encryption
* Shield Platform Encryption Limitations

**QUESTION 29**

Universal Containers is a global financial company that sells financial products and services including, bank accounts, loans, and insurance. UC uses Salesforce Service cloud to service their customer via calls, live chat. The support agents would open bank accounts on the spot for customers who are inquiring about UC bank accounts.

UC Core banking system is the system of record for bank accounts and all accounts opened in salesforce have to be synced in real-time to the core banking system. Support agents need to inform the customers with the newly created bank account ID which has to be generated from the core banking system.

Which integration pattern is recommended for this use case?
* Use streaming API to generate push topic.
* Use outbound message.
* Use salesforce platform event.
* Use request and reply.

**QUESTION 30**

A company has an external system that processes and tracks orders. Sales reps manage their leads and opportunity pipeline in Salesforce. In the current state, the two systems are disconnected and processing orders requires a lot of manual entry on sales rep part. This creates delays in processing orders and incomplete data due to manual entry.

As a part of modernization efforts the company decided to integrate Salesforce and the order management system. The following technical requirements were identified:

1. Orders need to be created in real time from salesforce

2. Minimal customization*, and code should be written due to a tight timeline and lack of developer resources

3. Sales reps need to be able to see order history and be able to see most up to date information on current order status.

4. Managers need to be able to run reports in Salesforce to see daily and monthly order volumes and fulfillment timelines.

5. The legacy system is hosted on premise and is currently connected to the Enterprise Service Bus (ESB). The ESB is flexible enough to provide any methods and connection types needed by salesforce team.

6. There are 1000 sales reps. Each user processes/creates on average 15 orders per shift. Most of the orders contain 20-30 line items.

How should an integration architect integrate the two systems based on the technical requirements and system constraints?
* Use Salesforce external object and OData connector.
* Use Salesforce custom object, custom REST API and ETL.
* Use Salesforce standard object, REST API and ETL.
* Use Salesforce big object, SOAP API and Dataloader.

**QUESTION 31**

Universal learning (UC) is embarked on Salesforce transformation journey, UC will decommission the legacy CRM system and migrate data to Salesforce. The data migration team asked for a recommendation to optimize the performance of the data load to Salesforce.

Which approach should used to meet the requirement?
* Use Bulk API to process jobs in parallel mode.
* Contact Salesforce support to schedule performance load.
* Use Bulk API to process jobs in serial mode.
* Use Bulk API to process jobs in high performance mode.

**QUESTION 32**

A large consumer goods manufacturer operating in multiple countries is planning to implement Salesforce for their Sales and Support operations globally. They have the following security requirements:

1. Internal users from each country have to be authenticated with their local active directory.

2. Customers can create their own login or use Google login.

3. Partners have to be authenticated through a central system which is to be determined.

4. Internal users will have access to the central ERP with their credentials maintained in the ERP.

5. Additional internal systems will be integrated with Salesforce for Sales and Support business processes.

Which three requirements should the integration architect evaluate while designing the integration needs of this project?

Choose 3 answers
* Evaluate Salesforce solution for customers and for partners, using third party solution for internal users.
* Assess security requirements for internal systems and decide Integration methods that support the requirements.
* Evaluate the build of a custom authentication mechanism for users in each country and support for customers and partners.
* Consider Third party Single Sign On solution supporting all user authentication including customer and partner.
* Evaluate Salesforce native authentication mechanism for all users including customers and partners.

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