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# Question 1

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## Question Type: MultipleChoice

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A customer's enterprise architect has identified requirements around caching, queuing, error handling, alerts, retries, event handling, etc. The company has asked the Salesforce integration architect to help fulfill such aspects with their Salesforce program.

Which three recommendations should the Salesforce integration architect make?

Choose 3 answers

### Options:

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**A-** Transform a fire-and-forget mechanism to request-reply should be handled by middleware tools (like ETL/ESB) to improve performance.

**B-** Provide true message queueing for integration scenarios (including orchestration, process choreography, quality of service, etc.) given that a middleware solution is required.

**C-** Message transformation and protocol translation should be done within Salesforce. Recommend leveraging Salesforce native protocol conversion capabilities as middle ware tools are NOT suited for such tasks

**D-** Event handling processes such as writing to a log, sending an error or recovery process, or sending an extra message, can be assumed to be handled by middleware.

**E-** Event handling in a publish/subscribe scenario, the middleware can be used to route requests or messages to active data-event

subscribers from active data-event publishers.

**Answer:**

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B, D, E

## Question 2

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**Question Type: MultipleChoice**

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Which two system constraint questions should be considered when designing an integration to send orders from Salesforce to a fulfillment system?

Choose 2 answers

**Options:**

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- A-** What latency is acceptable for orders to reach the fulfillment system?
- B-** Which system will validate order shipping addresses?
- C-** Can the fulfillment system implement a contract-first Outbound Messaging interface?

**D-** Can the fulfillment system participate in idempotent design to avoid duplicate orders?

**Answer:**

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C, D

## Question 3

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**Question Type: MultipleChoice**

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Northern Trail Outfitters wants to improve the quality of call-outs from Salesforce to their REST APIs. For this purpose, they will require all API clients/consumers to adhere to REST API Markup Language (RAML) specifications that include field-level definition of every API request and response payload. RAML specs serve as interface contracts that Apex REST API Clients can rely on.

Which two design specifications should the Integration Architect include in the integration architecture to ensure that Apex REST API Clients unit tests confirm adherence to the RAML specs?

Choose 2 answers

**Options:**

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- A-** Call the Apex REST API Clients in a test context to get the mock response.
- B-** Require the Apex REST API Clients to implement the HttpCalloutMock.
- C-** Call the HttpCalloutMock implementation from the Apex REST API Clients.
- D-** Implement HttpCalloutMock to return responses per RAML specification.

**Answer:**

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A, D

## Question 4

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**Question Type:** MultipleChoice

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Northern Trail Outfitters has recently experienced intermittent network outages in its

call center. When network service resumes, Sales representatives have inadvertently created duplicate orders in the manufacturing system because the order was placed but the return acknowledgement was lost during the outage.

Which solution should an architect recommend to avoid duplicate order booking?

**Options:**

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- A-** Use Outbound Messaging to ensure manufacturing acknowledges receipt of order.
- B-** Use scheduled apex to query manufacturing system for potential duplicate or missing orders.
- C-** Implement idempotent design and have Sales Representatives retry order(s) in question.
- D-** Have scheduled Apex resubmit orders that do not have a successful response.

**Answer:**

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A

## Question 5

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**Question Type: MultipleChoice**

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Northern Trail Outfitters needs to secure an integration with an external Microsoft Azure

API Gateway.

What integration security mechanism should be employed?

**Options:**

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- A-** Configure mutual server authentication with two-way SSL using CA issued certificates.
- B-** Configure a connected app with an authorization endpoint of the API gateway and configure OAuth settings.
- C-** Use an API only user profile and implement use an external identity provider with federated API access.
- D-** Implement Salesforce Shield with Encryption at Rest and generate a tenant secret.

**Answer:**

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A

## Question 6

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**Question Type:** MultipleChoice

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Given the diagram below, a Salesforce org, middleware, and Historical data store (with 20million records and growing) exists with connectivity between them

Historical records are archived from Salesforce and moved to Historical Data store (which houses 20M records and growing; fine-tuned to be performant with search queries).

Call center agents use Salesforce, when reviewing occasional special cases, have requested access to view the related historical case items that relate to submit cases.

Which mechanism and patterns are recommended to maximize declarative configuration?

### Options:

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- A-** Use ESB tool with Data Virtualization pattern, expose OData endpoint, and then use Salesforce Connect to consume and display the External Object alongside with the Caseobject.
- B- C** Use an ESB tool with a fire and forget pattern and then publish a platform event for the requested historical data.
- C-** Use an ESB tool with Request-Reply pattern and then make a real-time Apex callout to the ESB endpoint to fetch and display component related to Case object
- D-** Use an ETL tool with a Batch Data Synchronization pattern to migrate historical data into Salesforce and into a custom object (historical data) related to Case object.



**Answer:**

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A

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