

MCIA-LEVEL-1-MAINTENANCE^{Q&As}

MuleSoft Certified Integration Architect - Level 1 MAINTENANCE

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QUESTION 1

An organization is designing Mule application which connects to a legacy backend. It has been reported that backend services are not highly available and experience downtime quite often. As an integration architect which of the below approach you would propose to achieve high reliability goals?

- A. Alerts can be configured in Mule runtime so that backend team can be communicated when services are down
- B. Until Successful scope can be implemented while calling backend API's
- C. On Error Continue scope to be used to call in case of error again
- D. Create a batch job with all requests being sent to backend using that job as per the availability of backend API's

Correct Answer: B

Correct answer is Untill Successful scope can be implemented while calling backend API's The Until Successful scope repeatedly triggers the scope's components (including flow references) until they all succeed or until a maximum number of retries is exceeded The scope provides option to control the max number of retries and the interval between retries The scope can execute any sequence of processors that may fail for whatever reason and may succeed upon retry

QUESTION 2

An organization is using Mulesoft cloudhub and develops API's in the latest version. As a part of requirements for one of the API's, third party API needs to be called. The security team has made it clear that calling any external API needs to have include listing.

As an integration architect please suggest the best way to accomplish the design plan to support these requirements?

- A. Implement includelist IP on the cloudhub VPC firewall to allow the traffic
- B. Implement the validation of includelisted IP operation
- C. Implement the Any point filter processor to implement the include list IP
- D. Implement a proxy for the third party API and enforce the IPinclude list policy and call this proxy from the flow of the API

Correct Answer: D

QUESTION 3

As a part of project , existing java implementation is being migrated to Mulesoft. Business is very tight on the budget and wish to complete the project in most economical way possible.

Canonical object model using java is already a part of existing implementation. Same object model is required by mule application for a business use case. What is the best way to achieve this?

- A. Make use of Java module
- B. Create similar model for Mule applications
- C. Create a custom application to read Java code and make it available for Mule application
- D. Use Anypoint exchange

Correct Answer: A

Mule ref doc : <https://docs.mulesoft.com/java-module/1.2/>

QUESTION 4

The AnyAirline organization's passenger reservations center is designing an integration solution that combines invocations of three different System APIs (bookFlight, bookHotel, and bookCar) in a business transaction. Each System API

makes calls to a single database.

The entire business transaction must be rolled back when at least one of the APIs fails.

What is the most idiomatic (used for its intended purpose) way to integrate these APIs in near real-time that provides the best balance of consistency, performance, and reliability?

- A. Implement eXtended Architecture (XA) transactions between the API implementations Coordinate between the API implementations using a Saga pattern Implement caching in each API implementation to improve performance
- B. Implement local transactions within each API implementation Configure each API implementation to also participate in the same eXtended Architecture (XA) transaction Implement caching in each API implementation to improve performance
- C. Implement local transactions in each API implementation Coordinate between the API implementations using a Saga pattern Apply various compensating actions depending on where a failure occurs
- D. Implement an eXtended Architecture (XA) transaction manager in a Mule application using a Saga pattern Connect each API implementation with the Mule application using XA transactions Apply various compensating actions depending on where a failure occurs

Correct Answer: C

Reference: <https://aws.amazon.com/blogs/compute/building-a-serverless-distributed-application-using-a-saga-orchestration-pattern/>

QUESTION 5

An API has been updated in Anypoint Exchange by its API producer from version 3.1.1 to 3.2.0 following accepted semantic versioning practices and the changes have been communicated via the API's public portal. The API endpoint does NOT change in the new version. How should the developer of an API client respond to this change?

- A. The update should be identified as a project risk and full regression testing of the functionality that uses this API should be run.

- B. The API producer should be contacted to understand the change to existing functionality.
- C. The API producer should be requested to run the old version in parallel with the new one.
- D. The API client code ONLY needs to be changed if it needs to take advantage of new features.

Correct Answer: D

* Semantic Versioning is a 3-component number in the format of X.Y.Z, where :

X stands for a major version.

Y stands for a minor version:

Z stands for a patch.

So, SemVer is of the form Major.Minor.Patch Coming to our question , minor version of the API has been changed which is backward compatible. Hence there is no change required on API client end. If they want to make use of new featured

that have been added as a part of minor version change they may need to change code at their end. Hence correct answer is The API client code ONLY needs to be changed if it needs to take advantage of new features.



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