

MuleSoft-Integration-Architect-I Valid Exam Guide, New MuleSoft-Integration-Architect-I Test Prep



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The Salesforce Certified MuleSoft Integration Architect I (MuleSoft-Integration-Architect-I) PDF dumps provide you with everything that you must need in MuleSoft-Integration-Architect-I exam preparation and enable you to crack the final MuleSoft-Integration-Architect-I exam quickly. The Salesforce MuleSoft-Integration-Architect-I Exam Questions are being updated on a regular basis. As you know the MuleSoft-Integration-Architect-I exam syllabus is being updated on a regular basis.

Salesforce MuleSoft-Integration-Architect-I Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> Designing Architecture Using Integration Paradigms: This topic focuses on creating high-level integration architectures using various paradigms. It includes API-led connectivity, web APIs and HTTP, event-driven APIs, and message brokers, and designing Mule application using messaging patterns and technologies.
Topic 2	<ul style="list-style-type: none"> Designing Integration Solutions to Meet Performance Requirements: This topic covers meeting performance and capacity goals, using streaming features, and processing large message sequences.
Topic 3	<ul style="list-style-type: none"> Initiating Integration Solutions on Anypoint Platform: Summarizing MuleSoft Catalyst and Catalyst Knowledge Hub, differentiating between functional and non-functional requirements, selecting features for designing and managing APIs, and choosing deployment options are its sub-topics.
Topic 4	<ul style="list-style-type: none"> Designing Integration Solutions to Meet Security Requirements: This topic emphasizes securing access to the Anypoint Platform and APIs, using Anypoint Security, counteracting security vulnerabilities, and understanding audit logging capabilities.
Topic 5	<ul style="list-style-type: none"> Designing and Developing Mule Applications: It includes selecting application properties, using fundamental features, designing with core routers, understanding the Salesforce Connector, and leveraging core connectors.
Topic 6	<ul style="list-style-type: none"> Applying DevOps Practices and Operating Integration Solutions: Its sub-topics are related to designing CI/CD pipelines with MuleSoft plugins, automating interactions with Anypoint Platform, designing logging configurations, and identifying Anypoint Monitoring features.
Topic 7	<ul style="list-style-type: none"> Designing Integration Solutions to Meet Reliability Requirements: It includes selecting alternatives to traditional transactions, recognizing the purpose of various scopes and strategies, differentiating disaster recovery and high availability, and using local and XA transactions.

Topic 8	<ul style="list-style-type: none"> • Designing for the Runtime Plane Technology Architecture: It includes analyzing Mule runtime clusters, designing solutions for CloudHub, choosing Mule runtime domains, leveraging Mule 4 class loader isolation, and understanding the reactive event processing model.
Topic 9	<ul style="list-style-type: none"> • Designing Automated Tests for Mule Applications: This topic covers unit test suites, and scenarios for integration and performance testing.

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Salesforce Certified MuleSoft Integration Architect I Sample Questions (Q95-Q100):

NEW QUESTION # 95

Additional nodes are being added to an existing customer-hosted Mule runtime cluster to improve performance. Mule applications deployed to this cluster are invoked by API clients through a load balancer.

What is also required to carry out this change?

- **A. External monitoring tools or log aggregators must be configured to recognize the new nodes**
- B. API implementations using an object store must be adjusted to recognize the new nodes and persist to them
- C. New firewall rules must be configured to accommodate communication between API clients and the new nodes
- D. A new load balancer must be provisioned to allow traffic to the new nodes in a round-robin fashion

Answer: A

Explanation:

* Clustering is a group of servers or mule runtime which acts as a single unit.

* Mulesoft Enterprise Edition supports scalable clustering to provide high availability for the Mulesoft application.

* In simple terms, virtual servers composed of multiple nodes and they communicate and share information through a distributed shared memory grid.

* By default, Mulesoft ensures the High availability of applications if clustering implemented.

* Let's consider the scenario one of the nodes in cluster crashed or goes down and under maintenance. In such cases, Mulesoft will ensure that requests are processed by other nodes in the cluster. Mulesoft clustering also ensures that the request is load balanced between all the nodes in a cluster.

* Clustering is only supported by on-premise Mule runtime and it is not supported in Cloudhub.

Correct answer is External monitoring tools or log aggregators must be configured to recognize the new nodes

* Rest of the options are automatically taken care of when a new node is added in cluster.

NEW QUESTION # 96

An organization needs to procure an enterprise software system to increase cross-selling opportunities and better track prospect data.

Which category of enterprise software has these core capabilities, when used for its typical and intended purpose?

- **A. Customer Relationship Management (CRM)**
- B. IT Service Management (ITSM)
- C. Supply Chain Management (SCM)
- D. Business-to-Business (A2B)

Answer: A

NEW QUESTION # 97

An organization is building out a test suite for their application using MUnit.

The Integration Architect has recommended using Test Recorder in Anypoint Studio to record the processing flows and then configure unit tests based on the captured events.

What is a core consideration that must be kept in mind while using Test Recorder?

- A. Tests for flows cannot be created if Mule errors are raised inside the flows, even if the errors are handled by On-Error Continue error handlers
- B. The Recorder supports loops where the structure of the data being tested changes inside the iteration
- C. The Recorder supports mocking a message before or inside a Foreach processor
- D. Mocking values resulting from parallel processes are possible and will not affect the execution of the processors that follow in the test

Answer: A

Explanation:

* MUnit and Test Recorder:

* MUnit is MuleSoft's testing framework designed to create automated tests for Mule applications.

* Test Recorder in Anypoint Studio allows capturing live processing flows and events to automatically generate test cases.

* Core Consideration:

* While using Test Recorder, it is essential to consider how errors within the flows are handled.

* If Mule errors are raised within the flows, Test Recorder will not be able to create tests for these flows, even if the errors are managed by On-Error Continue error handlers.

* This limitation requires careful design and error handling strategies to ensure test cases can be recorded and executed effectively.

* Error Handling in MUnit:

* MUnit allows simulating error scenarios using mocks and spies.

* Proper error handling within the application flow ensures robustness and reliable test creation.

* However, the inability to create tests when errors are raised during recording indicates a need for alternative approaches to manage errors during test case generation.

MuleSoft Documentation on MUnit: [MUnit Documentation](#)

MuleSoft Blog on MUnit Test Recorder: [MUnit Test Recorder](#)

NEW QUESTION # 98

A Mule application is built to support a local transaction for a series of operations on a single database. The mule application has a Scatter-Gather scope that participates in the local transaction.

What is the behavior of the Scatter-Gather when running within this local transaction?

- A. Execution of all routes within Scatter-Gather occurs in parallel Any error that occurs inside Scatter-Gather will be handled by error handler and will not result in roll back
- B. Execution of all routes within Scatter-Gather occurs sequentially Any error that occurs inside Scatter-Gather will result in a roll back of all the database operations
- C. Execution of all routes within Scatter-Gather occurs sequentially Any error that occurs inside Scatter-Gather will be handled by error handler and will not result in roll back
- D. Execution of all routes within Scatter-Gather occurs in parallel Any error that occurs inside Scatter-Gather will result in a roll back of all the database operations

Answer: D

Explanation:

* Parallel Execution:

* In a Scatter-Gather scope, all routes are executed in parallel. This allows multiple operations to be performed simultaneously, which can improve performance and efficiency when dealing with independent tasks.

* Transaction Management:

* When Scatter-Gather operates within a local transaction, all database operations performed in parallel routes are part of the same transaction context.

* Error Handling and Rollback:

* If any error occurs within any of the parallel routes inside the Scatter-Gather scope, it triggers a rollback of all the database operations performed within the transaction. This ensures data consistency and integrity.

References:

- * MuleSoft Documentation on Scatter-Gather
- * Transaction management in MuleSoft

NEW QUESTION # 99

Mule application muleA deployed in cloudhub uses Object Store v2 to share data across instances. As a part of new requirement , application muleB which is deployed in same region wants to access this Object Store.

Which of the following option you would suggest which will have minimum latency in this scenario?

- A. Object Store of one mule application cannot be accessed by other mule application.
- **B. Object Store REST API**
- C. Object Store connector
- D. Both of the above option will have same latency

Answer: B

Explanation:

V2 Rest API is recommended for on premise applications to access Object Store. It also comes with overhead of encryption and security of using rest api. With Object Store v2, the API call is localized to the same data center as the Runtime Manager app.

But in this case requirement is to access the OS of other mule application and not the same mule application.

You can configure a Mule app to use the Object Store REST API to store and retrieve values from an object store in another Mule app.

However, Object Store v2 is not designed for app-to-app communication.

NEW QUESTION # 100

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