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Our company has been engaged in compiling professional MuleSoft-Integration-Architect-I exam quiz in this field for more than ten years. Our large amount of investment for annual research and development fuels the invention of the latest MuleSoft-Integration-Architect-I study materials, solutions and new technologies so we can better serve our customers and enter new markets. We invent, engineer and deliver the best MuleSoft-Integration-Architect-I Guide questions that drive business value, create social value and improve the lives of our customers.

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

Topic	Details
Topic 1	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 2	Designing Integration Solutions to Meet Persistence Requirements: It addresses the usage of VM queues and connectors, object stores and services, and stateful components configured with object stores.
Topic 3	Designing Integration Solutions to Meet Performance Requirements: This topic covers meeting performance and capacity goals, using streaming features, and processing large message sequences.
Topic 4	- 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 5	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 6	• 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 7	• 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 (Q20-Q25):

NEW QUESTION # 20

According to MuleSoft, which major benefit does a Center for Enablement (C4E) provide for an enterprise and its lines of business?

- A. Enabling Edge security between the lines of business and public devices
- B. Centralizing project management across the lines of business
- **C. Accelerating self-service by the lines of business**
- D. Centrally managing return on investment (ROI) reporting from lines of business to leadership

Answer: C

Explanation:

A Center for Enablement (C4E) provides significant benefits to an enterprise and its lines of business by accelerating self-service capabilities. A C4E is a cross-functional team that promotes the use of best practices, reusable assets, and consistent methodologies across the organization. By enabling lines of business to access and use shared resources, tools, and knowledge independently, a C4E empowers these units to deliver projects faster and more efficiently. This self-service model reduces reliance on central IT for every initiative, fosters innovation, and enhances the overall agility of the organization.

References

* MuleSoft Center for Enablement (C4E) Overview

* Best Practices for Implementing a C4E on Anypoint Platform

A Center for Enablement (C4E) provides significant benefits by accelerating self-service capabilities for lines of business. Here's how:

* **Self-Service Enablement:** C4E empowers lines of business to access, use, and create integrations and APIs independently, without relying heavily on central IT teams.

* **Guidelines and Standards:** The C4E establishes best practices, standards, and reusable frameworks, ensuring that lines of business can develop solutions efficiently and consistently.

* **Faster Time-to-Market:** By enabling self-service, lines of business can rapidly develop and deploy solutions to meet their specific needs, resulting in faster time-to-market for new initiatives.

* **Reduced Bottlenecks:** Self-service reduces dependency on central IT, alleviating potential bottlenecks and allowing IT to focus on governance, security, and strategic projects.

The C4E model thus accelerates innovation and responsiveness within the enterprise.

Center for Enablement (C4E)

Benefits of a C4E

NEW QUESTION # 21

An organization is designing a mule application to support an all or nothing transaction between several database operations and some other connectors so that they all roll back if there is a problem with any of the connectors. Besides the database connector, what other connector can be used in the transaction.

- A. ObjectStore
- B. Anypoint MQ
- C. SFTP
- **D. VM**

Answer: D

Explanation:

Correct answer is VM. VM supports Transactional Type. When an exception occurs, the transaction rolls back to its original state for reprocessing. This feature is not supported by other connectors.

Here is additional information about Transaction management:

Table Description automatically generated

	Shared Load Balancer	Dedicated Load Balancer
VPC	Shared VPC (Mulesoft)	VPC (Customer)
Default Load Balancer	Cloudhub provides Default Shared Load Balancer available in All Environment	Need to Purchase
Organization Use	Multiple Organization	Specific to Organization
Certificate	Mulesoft Certificate	Organization Certificate
TLS Support	Yes	Yes
URL Mapping	Fixed URL Mapping	Customer URL Mapping
Timeout	30 Sec Session Timeout	Custom Timeout
Ports	Public Port {80 : 8081, 443 : 8082}	Private Port {80 : 8091, 443 : 8092}
Fashion	Round Robin	Round Robin
Supports HTTPS Protocol	Yes	Yes
Worker Assignment	No	Yes
IP Blacklisting/ Whitelisting	No https://docs.mulesoft.com/runtime-manager/ib-whitelists	Yes
Configure Custom Domain	No	Yes
Custom Certificate	No	Yes
Rate Limit	Lower Rate Limit and applied According to Region	Higher Rate Limit Threshold
VPC	Anypoint VPC optional	Can't Use DLB without Anypoint VPC

NEW QUESTION # 22

What Is a recommended practice when designing an integration Mule 4 application that reads a large XML payload as a stream?

- A. The payload should be dealt with as an XML stream, without converting it to a single Java object (POJO)
- B. The payload should be dealt with as a repeatable XML stream, which must only be traversed (iterated-over) once and CANNOT be accessed randomly from DataWeave expressions and scripts
- C. The payload size should NOT exceed the maximum available heap memory of the Mule runtime on which the Mule application executes
- D. The payload must be cached using a Cache scope If It Is to be sent to multiple backend systems

Answer: C

Explanation:

If the size of the stream exceeds the maximum, a `STREAM_MAXIMUM_SIZE_EXCEEDED` error is raised.

NEW QUESTION # 23

An organization has strict unit test requirement that mandate every mule application must have an MUnit test suit with a test case defined for each flow and a minimum test coverage of 80%.

A developer is building Munit test suit for a newly developed mule application that sends API request to an external rest API.

What is the effective approach for successfully executing the Munit tests of this new application while still achieving the required test coverage for the Munit tests?

- A. Create a mocking service flow to simulate standard responses from the rest API and then configure the mule flows to call the marking service flow
- B. Invoke the external endpoint of the rest API from the mule floors
- C. Mark the rest API invocations in the Munits and then call the mocking service flow that simulates standard responses from the REST API
- **D. Mock the rest API invocation in the Munits and return a mock response for those invocations**

Answer: D

Explanation:

* Mocking REST API Invocations:

* To ensure the unit tests do not make actual calls to external REST APIs, which can be unreliable and slow, it is best to mock these invocations. Mocking allows you to simulate the behavior of the external API and provide predefined responses.

* Achieving Test Coverage:

* By mocking the REST API invocations in your MUnit tests, you can focus on testing the logic within the Mule application itself. This ensures high test coverage and isolates your tests from external dependencies.

* Execution of MUnit Tests:

* Configure MUnit to return mock responses for the API calls. This enables the MUnit tests to run quickly and consistently, as they are not dependent on the external system's availability or performance.

References:

* MuleSoft Documentation on MUnit Testing

* Best practices for Mocking in MUnit

NEW QUESTION # 24

According to MuleSoft's recommended REST conventions, which HTTP method should an API use to specify how API clients can request data from a specified resource?

- A. POST
- B. PUT
- C. PATCH
- **D. GET**

Answer: D

Explanation:

According to MuleSoft's recommended REST conventions, the HTTP method GET should be used to specify how API clients can request data from a specified resource. The GET method is designed to retrieve data from a server at the specified resource. It is one of the most common HTTP methods used in RESTful APIs, ensuring that data retrieval is performed without any side effects on the server or resource.

References:

* MuleSoft REST API Design Best Practices

* HTTP Methods in RESTful Services

NEW QUESTION # 25

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