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MCIA-Level 1

MuleSoft Certified Integration Architect - Level 1



Exam A**QUESTION 1**

A global organization operates datacenters in many countries. There are private network links between these datacenters because all business data (but NOT metadata) must be exchanged over these private network connections.

The organization does not currently use AWS in any way.

The strategic decision has just been made to rigorously minimize IT operations effort and investment going forward.

What combination of deployment options of the Anypoint Platform control plane and runtime plane(s) best serves this organization at the start of this strategic journey?

- A. MuleSoft-hosted Anypoint Platform control planeCloudHub Shared Worker Cloud in multiple AWS regions
- B. MuleSoft-hosted Anypoint Platform control plane
Customer-hosted runtime plane in multiple AWS regions
- C. MuleSoft-hosted Anypoint Platform control planeCustomer-hosted runtime plane in each datacenter
- D. Anypoint Platform - Private Cloud Edition
Customer-hosted runtime plane in each datacenter

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Anypoint Exchange is required to maintain the source code of some of the assets committed to it, such as Connectors, Templates, and API specifications.

What is the best way to use an organization's source-code management (SCM) system in this context?

- A. Organizations need to point Anypoint Exchange to their SCM system so Anypoint Exchange can pull source code when requested by developers and provide it to Anypoint Studio
- B. Organizations need to use Anypoint Exchange as the main SCM system to centralize versioning and avoid code duplication
- C. Organizations can continue to use an SCM system of their choice for branching and merging, as long as they follow the branching and merging strategy enforced by Anypoint Exchange
- D. Organizations should continue to use an SCM system of their choice, in addition to keeping source code for these asset types in Anypoint Exchange, thereby enabling parallel development, branching, and merging

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

QUESTION 4

A set of integration Mule applications, some of which expose APIs, are being created to enable a new business process. Various stakeholders may be impacted by this. These stakeholders are a combination of semi-technical users (who understand basic integration terminology and concepts such as JSON and XML) and technically skilled potential consumers of the Mule applications and APIs.

What is an effective way for the project team responsible for the Mule applications and APIs being built to communicate with these stakeholders using Anypoint Platform and its supplied toolset?

- A. Create Anypoint Exchange entries with pages elaborating the integration design, including API notebooks (where applicable) to help the stakeholders understand and interact with the Mule applications and APIs at various levels of technical depth
- B. Capture documentation about the Mule applications and APIs inline within the Mule integration flows and use Anypoint Studio's Export Documentation feature to provide an HTML version of this documentation to the stakeholders
- C. Use Anypoint Design Center to implement the Mule applications and APIs and give the various stakeholders access to these Design Center projects, so they can collaborate and provide feedback
- D. Use Anypoint Exchange to register the various Mule applications and APIs and share the RAML definitions with the stakeholders, so they can be discovered

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5 A Mule application is being designed to do the following:

- Step 1: Read a SalesOrder message from a JMS queue, where each SalesOrder consists of a header and a list of SalesOrderLineItems.
- Step 2: Insert the SalesOrder header and each SalesOrderLineItem into different tables in an RDBMS.
- Step 3: Insert the SalesOrder header and the sum of the prices of all its SalesOrderLineItems into a table in a different RDBMS.

No SalesOrder message can be lost and the consistency of all SalesOrder-related information in both RDBMSs must be ensured at all times.

What design choice (including choice of transactions) and order of steps addresses these requirements?

- A. 1. Read the JMS message (NOT in an XA transaction)
 - 2. Perform EACH DB insert in a SEPARATE DB transaction
 - 3. Acknowledge the JMS message
- B. 1. Read and acknowledge the JMS message (NOT in an XA transaction)
 - 2. In a NEW XA transaction, perform BOTH DB inserts
- C. 1. Read the JMS message in an XA transaction
 - 2. In the SAME XA transaction, perform BOTH DB inserts but do NOT acknowledge the JMS message
- D. 1. Read the JMS message (NOT in an XA transaction)
 - 2. Perform BOTH DB inserts in ONE DB transaction
 - 3. Acknowledge the JMS message

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

Mule application A receives a request Anypoint MQ message REQU with a payload containing a variable-length list of request objects. Application A uses the For Each scope to split the list into individual objects and sends each object as a message to an Anypoint MQ queue.

Service S listens on that queue, processes each message independently of all other messages, and sends a response message to a response queue.

Application A listens on that response queue and must in turn create and publish a response Anypoint MQ message RESP with a payload containing the list of responses sent by service S in the same order as the request objects originally sent in REQU.

Assume successful response messages are returned by service S for all request messages.

What is required so that application A can ensure that the length and order of the list of objects in RESP and REQU match, while at the same time maximizing message throughput?

- A. Perform all communication involving service S synchronously from within the For Each scope, so objects in RESP are in the exact same order as request objects in REQU
- B. Use a Scatter-Gather within the For Each scope to ensure response message order
Configure the Scatter-Gather with a persistent object store
- C. Keep track of the list length and all object indices in REQU, both in the For Each scope and in all communication involving service. Use persistent storage when creating RESP
- D. Use an Async scope within the For Each scope and collect response messages in a second For Each scope in the order in which they arrive, then send RESP using this list of responses

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



QUESTION 9

Refer to the exhibit. A Mule application is deployed to a cluster of two customer-hosted Mule runtimes. The Mule application has a flow that polls a database and another flow with an HTTP Listener.

HTTP clients send HTTP requests directly to individual cluster nodes.

What happens to database polling and HTTP request handling in

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16 What operation can be performed through a JMX agent enabled in a Mule application?

- A. View object store entries
- B. Replay an unsuccessful message
- C. Deploy a Mule application
- D. Set a particular log4j2 log level to TRACE

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

A retailer is designing a data exchange interface to be used by its suppliers. The interface must support secure communication over the public internet. The interface must also work with a wide variety of programming languages and IT systems used by suppliers.

What are suitable interface technologies for this data exchange that are secure, cross-platform, and internet friendly, assuming that Anypoint Connectors exist for these interface technologies?

- A. CSV over FTPYAML
over TLS
JSON over HTTPS
- B. SOAP over
HTTPSIIOP over
TLS gRPC over
HTTPS
- C. EDIFACTXML over
SFTP
JSON/REST over HTTPS
- D. XML over
ActiveMQXML over
SFTP
XML/REST over HTTPS



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

Refer to the exhibit. A Mule 4 application has a parent flow that breaks up a JSON array payload into 200 separate items, then sends each item one at a time inside an Async scope to a VM queue.

A second flow to process orders has a VM Listener on the same VM queue. The rest

