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MuleSoft Certified Integration Architect - Level 1

Mulesoft MCIA-Level-1

Version Demo

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QUESTION NO: 1

What best describes the Fully Qualified Domain Names (FQDNs), also known as DNS entries, created when a Mule application is deployed to the CloudHub Shared Worker Cloud?

A. A fixed number of FQDNs are created, IRRESPECTIVE of the environment and VPC design

B. The FQDNs are determined by the application name chosen, IRRESPECTIVE of the region

C. The FQDNs are determined by the application name, but can be modified by an administrator after deployment

D. The FQDNs are determined by both the application name and the region

ANSWER: D

Explanation:

Explanation

Every Mule application deployed to CloudHub receives a DNS entry pointing to the CloudHub. The DNS entry is a CNAME for the CloudHub Shared Load Balancer in the region to which the Mule application is deployed. When we deploy the application on CloudHub, we get a generic url to access the endpoints. Generic URL looks as below:

..cloudhub.io is the deployed application name which is unique across all the MuleSoft clients. is the region name in which an application is deployed.

The public CloudHub (shared) load balancer already redirects these requests, where myApp is the name of the Mule application deployment to CloudHub: HTTP requests to http://myApp..cloudhub.io redirects to

http://mule-worker-myApp..cloudhub.io:8081

HTTPS traffic to https://myApp..cloudhub.io redirects to

https://mule-worker-myApp..cloudhub.io:8082

QUESTION NO: 2

An organization is building a test suite for their applications using m-unit. The integration architect has recommended using test recorder in studio to record the processing flows and then configure unit tests based on the capture events

What are the two considerations that must be kept in mind while using test recorder

(Choose two answers)

A. Tests for flows cannot be created with Mule errors raised inside
the flow or already existing in the incoming event

B. Recorder supports smoking a message before or inside a ForEach processor

C. The recorder support loops where the structure of the data been tested
changes inside the iteration

D. A recorded flow execution ends successfully but the result does not reach its destination because the application is killed

E. Mocking values resulting from parallel processes are possible and will not affect the execution of the processes that follow in the test

ANSWER: A D

QUESTION NO: 3

As a part of project requirement, Java Invoke static connector in a mule 4 application needs to invoke a static method in a dependency jar file. What are two ways to add the dependency to be visible by the connectors class loader?

(Choose two answers)

A. In the Java Invoke static connector configuration, configure a path and name of the dependency jar file

B. Add the dependency jar file to the java classpath by setting the JVM parameters

C. Use Maven command to include the dependency jar file when packaging the application

D. Configure the dependency as a shared library in the project POM

E. Update mule-artefact.json to export the Java package

ANSWER: B D

QUESTION NO: 4

A high-volume eCommerce retailer receives thousands of orders per hour and requires notification of its order management, warehouse, and billing system for subsequent processing within 15 minutes of order submission through its website.

Which integration technology, when used for its typical and intended purpose, meets the retailer's requirements for this use case?

A. Managed File Transfer (MFT)

B. Publish/Subscriber Messaging Bus (Pub/Sub)

C. Enterprise Data Warehouse (EDW)

D. Extract Transform Load (ETL)

ANSWER: D

QUESTION NO: 5

An integration team follows MuleSoft's recommended approach to full lifecycle API development.

Which activity should this team perform during the API implementation phase?

A. Validate the API specification

B. Use the API specification to build the MuleSoft application

C. Design the API specification

D. Use the API specification to monitor the MuleSoft application

ANSWER: B

QUESTION NO: 6

As an enterprise architect, what are the two reasons for which you would use a canonical data model in the new integration project using Mulesoft Anypoint platform (choose two answers)

A. To have consistent data structure aligned in processes

B. To isolate areas within a bounded context

C. To incorporate industry standard data formats

D. There are multiple canonical definitions of each data type

E. Because the model isolates the back and systems and support mule applications from change

ANSWER: A B

QUESTION NO: 7

An organization's security policies mandate complete control of the login credentials used to log in to Anypoint Platform.

What feature of Anypoint Platform should be used to meet this requirement?

A. Federated Client Management

B. Federated Identity Management

C. Enterprise Security Module

D. Client ID Secret

ANSWER: B

Explanation:

Reference: https://docs.mulesoft.com/access-management/external-identity

After configuring identity management, you must add new SSO users using your external identity management solution and internal provisioning process. If you use the Invite User feature to add users to your organization after you have configured an identity provider, the credentials for these users are stored locally in your organization rather than with the identity provider.

Users that log in with SSO are new users to the system. If the new user has the same username as a user that already exists in your Anypoint Platform organization, the new user co-exists with the original user with the same username. Users with the same username are managed independently from one another.

QUESTION NO: 8

As part of a growth strategy, a supplier signs a trading agreement with a large customer. The customer sends purchase orders to the supplier according to the ANSI X12 EDI standard, and the supplier creates the orders in its ERP system using the information in the EDI document.

The agreement also requires that the supplier provide a new RESTful API to process request from the customer for current product inventory level from the supplier' s ERP system.

Which two fundamental integration use cases does the supplier need to deliver to provide an end-to-end solution for this business scenario? (Choose two.)

A. Synchronized data transfer

B. Sharing data with external partners

C. User interface integration

D. Streaming data ingestion

E. Data mashups

ANSWER: A B

QUESTION NO: 9

Which of the below requirements prevent the usage of Anypoint MQ in a company's network? (Choose two answers)

A. single message payload can be up to 15 MB

B. payloads must be encrypted

C. the message broker must be hosted on premises

D. support for point-to-point messaging

E. ability for a third party outside the company's network to consume events from the queue

ANSWER: C D

QUESTION NO: 10

A Mule application is being designed to perform product orchestration. The Mule application needs to join together the responses from an Inventory API and a Product Sales History API with the least latency.

To minimize the overall latency, what is the most idiomatic (used for its intended purpose) design to call each API request in the Mule application?

A. Call each API request in a separate route of a Scatter-Gather

B. Call each API request in a separate Async scope

C. Call each API request in a separate route of a Parallel For Each scope

D. Call each API request in a separate lookup call from a DataWeave reduce operator

ANSWER: A

QUESTION NO: 11

A mule application is required to periodically process large data set from a back-end database to Salesforce CRM using batch job scope configured properly process the higher rate of records.

The application is deployed to two cloudhub workers with no persistence queues enabled.

What is the consequence if the worker crashes during records processing?

A. Remaining records will be processed by a new replacement worker

B. Remaining records be processed by second worker

C. Remaining records will be left and processed

D. All the records will be processed from scratch by the second worker leading to duplicate processing

ANSWER: C

QUESTION NO: 12

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 a repeatable XML stream, which must only be traversed (iterated-over) once and CANNOT be accessed randomly from DataWeave expressions and scripts

B. The payload should be dealt with as an XML stream, without converting it to a single Java object (POJO)

C. The payload size should NOT exceed the maximum available heap memory of the Mute 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.

QUESTION NO: 13

What are two reasons why a typical MuleSoft customer favors a MuleSoft-hosted Anypoint Platform runtime plane over a customer-hosted runtime for its Mule application deployments? (Choose two.)

A. Reduced application latency

B. Increased application isolation

C. Reduced time-to-market for the first application

D. Increased application throughput

E. Reduced IT operations effort

ANSWER: C E

QUESTION NO: 14

A Mule application is being designed to receive nightly a CSV file containing millions of records from an external vendor over SFTP. The records from the file need to be validated, transformed, and then written to a database. Records can be inserted into the database in any order.

In this use case, what combination of Mule components provides the most effective, performant, and idiomatic (used for its intended purpose) way to write these records to the database?

A. Use a Batch Job scope to bulk insert records into the database

B. Use a Scatter-Gather to bulk insert records into the database

C. Use a Parallel For Each scope to insert records in-parallel into the database

D. Use a DataWeave map function and an Async scope to insert records in-parallel into the database

ANSWER: D