MuleSoft

Exam Questions MCIA-Level-1

MuleSoft Certified Integration Architect - Level 1

NEW QUESTION 1
An API client is implemented as a Mule application that includes an HTTP Request operation using a
default configuration. The HTTP Request operation invokes an external API that follows standard
HTTP status code conventions, which causes the HTTP Request operation to return a 4xx status code.
What is a possible cause of this status code response?

A. An error occurred inside the external API implementation when processing the HTTP request thatwas received from the outbound HTTP Request operation of
the Mule application
B. The external API reported that the API implementation has moved to a different external endpoint
C. The HTTP response cannot be interpreted by the HTTP Request operation of the Mule applicationafter it was received from the external API
D. The external API reported an error with the HTTP request that was received from the outboundHTTP Request operation of the Mule application

Answer: D

NEW QUESTION 2
An XA transaction Is being configured that involves a JMS connector listening for Incoming JMS
messages. What is the meaning of the timeout attribute of the XA transaction, and what happens
after the timeout expires?

A. The time that is allowed to pass between committing the transaction and the completion of the Mule flow After the timeout, flow processing triggers an error
B. The time that Is allowed to pass between receiving JMS messages on the same JMS connectionAfter the timeout, a new JMS connection Is established
C. The time that Is allowed to pass without the transaction being ended explicitly After the timeout,the transaction Is forcefully rolled-back
D. The time that Is allowed to pass for state JMS consumer threads to be destroyed After thetimeout, a new JMS consumer thread is created

Answer: C

NEW QUESTION 3
An API has been unit tested and is ready for integration testing. The API is governed by a Client ID Enforcement policy in all environments.
What must the testing team do before they can start integration testing the API in the Staging environment?

A. They must access the API portal and create an API notebook using the Client ID and Client Secret supplied by the API portal in the Staging environment
B. They must request access to the API instance in the Staging environment and obtain a Client ID and Client Secret to be used for testing the API
C. They must be assigned as an API version owner of the API in the Staging environment
D. They must request access to the Staging environment and obtain the Client ID and Client Secret for that environment to be used for testing the API

Answer: B

NEW QUESTION 4
Refer to the exhibit.
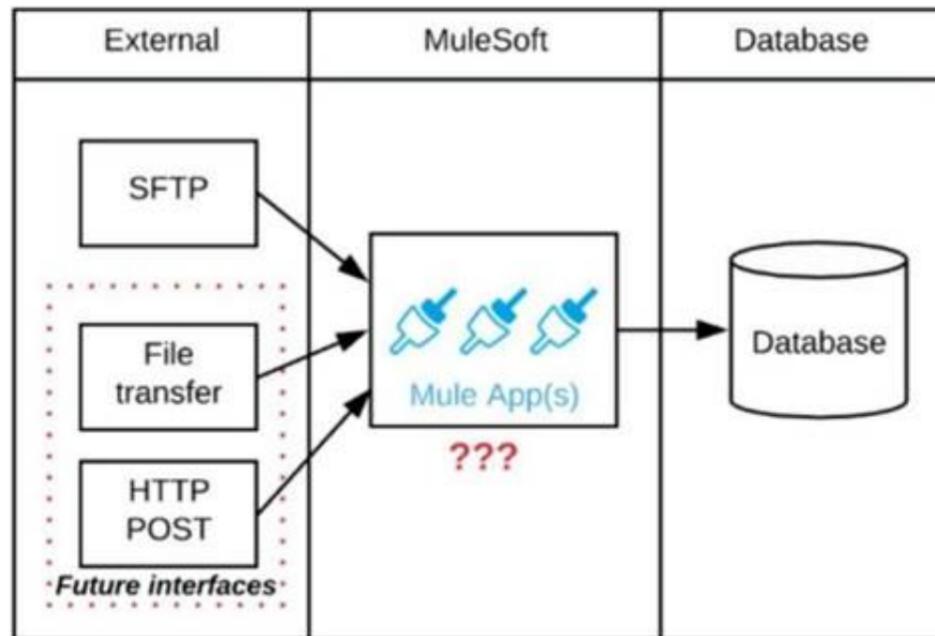
A business process involves the receipt of a file from an external vendor over SFTP. The file needs to be parsed and its content processed, validated, and
ultimately persisted to a database. The delivery mechanism is expected to change in the future as more vendors send similar files using other mechanisms such
as file transfer or HTTP POST.
What is the most effective way to design for these requirements in order to minimize the impact of future change?

A. Use a MuleSoft Scatter-Gather and a MuleSoft Batch Job to handle the different files coming from different sources
B. Create a Process API to receive the file and process it using a MuleSoft Batch Job while delegating the data save process to a System API
C. Create an API that receives the file and invokes a Process API with the data contained In the file, then have the Process API process the data using a MuleSoft
Batch Job and other System APIs as needed
D. Use a composite data source so files can be retrieved from various sources and delivered to a MuleSoft Batch Job for processing

Answer: C

NEW QUESTION 5
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: B

NEW QUESTION 6
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 plane CloudHub Shared Worker Cloud in multiple AWS regions
B. Anypoint Platform - Private Cloud Edition Customer-hosted runtime plane in each datacenter
C. MuleSoft-hosted Anypoint Platform control plane Customer-hosted runtime plane in multiple AWS regions
D. MuleSoft-hosted Anypoint Platform control plane Customer-hosted runtime plane in each datacenter

**Answer:** B

NEW QUESTION 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. Enterprise Security Module
B. Client ID Secret
C. Federated Identity Management
D. Federated Client Management

Answer: C

NEW QUESTION 8
Refer to the exhibit.
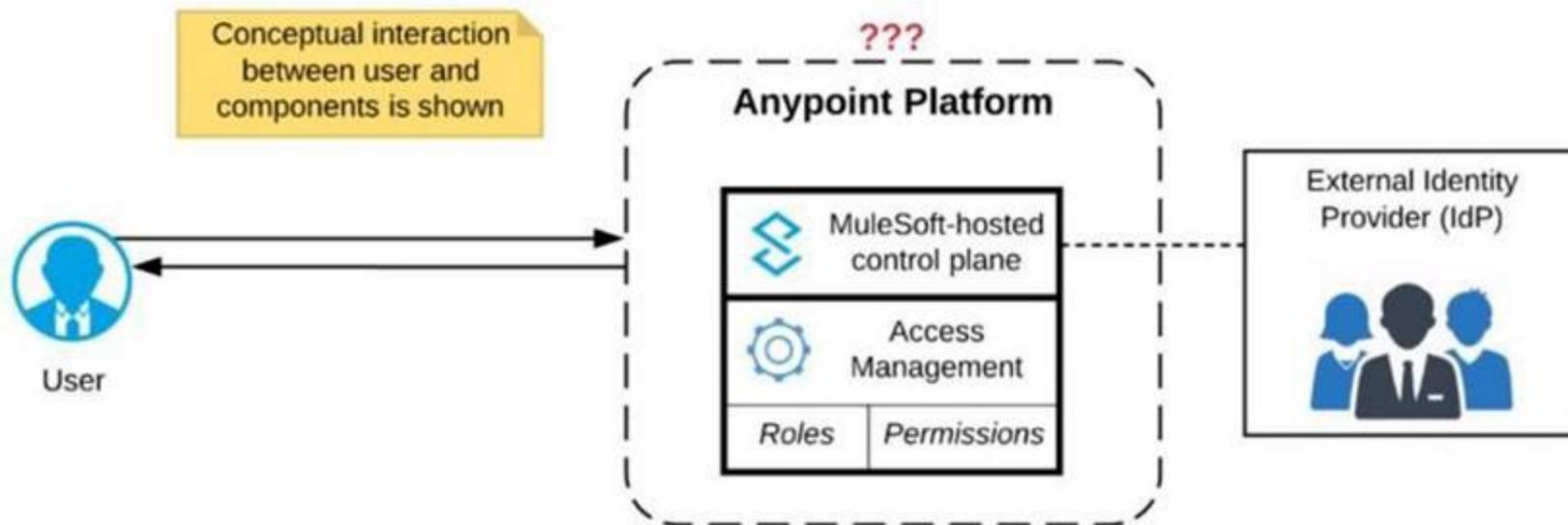
Anypoint Platform supports role-based access control (RBAC) to features of the platform. An organization has configured an external Identity Provider for identity management with Anypoint Platform.
What aspects of RBAC must ALWAYS be controlled from the Anypoint Platform control plane and CANNOT be controlled via the external Identity Provider?

A. Controlling the business group within Anypoint Platform to which the user belongs
B. Assigning Anypoint Platform permissions to a role
C. Assigning Anypoint Platform role(s) to a user
D. Removing a user's access to Anypoint Platform when they no longer work for the organization

Answer: B

NEW QUESTION 9
49 of A popular retailer is designing a public API for its numerous business partners. Each business partner will invoke the API at the URL 58.
https://api.acme.com/partnefs/vl. The API implementation is estimated to require deployment to 5 CloudHub workers.
The retailer has obtained a public X.509 certificate for the name apl.acme.com, signed by a reputable CA, to be used as the server certificate.
Where and how should the X.509 certificate and Mule applications be used to configure load balancing among the 5 CloudHub workers, and what DNS entries should be configured in order for the retailer to support its numerous business partners?

A. Add the X.509 certificate to the Mule application's deployable archive, then configure a CloudHub Dedicated Load Balancer (DLB) for each of the Mule application's CloudHub workersCreate a CNAME for api.acme.com pointing to the DLB's A record
B. Add the X.509 certificate to the CloudHub Shared Load Balancer (SLB), not to the Mule application Create a CNAME for api.acme.com pointing to the SLB's A record
C. Add the X.509 certificate to a CloudHub Dedicated Load Balancer (DLB), not to the Mule application Create a CNAME for api.acme.com pointing to the DLB's A record
D. Add the x.509 certificate to the Mule application's deployable archive, then configure the CloudHub Shared Load Balancer (SLB) for each of the Mule application's CloudHub workersCreate a CNAME for api.acme.com pointing to the SLB's A record

Answer: C

NEW QUESTION 10
What is true about the network connections when a Mule application uses a JMS connector to interact with a JMS provider (message broker)?

A. The JMS connector supports both sending and receiving of JMS messages over the protocol determined by the JMS provider
B. The AMQP protocol can be used by the JMS connector to portably establish connections to various types of JMS providers
C. To receive messages into the Mule application, the JMS provider initiates a network connection to the JMS connector and pushes messages along this connection
D. To complete sending a JMS message, the JMS connector must establish a network connection with the JMS message recipient

Answer: D

NEW QUESTION 10
A Mule application uses the Database connector.
What condition can the Mule application automatically adjust to or recover from without needing to restart or redeploy the Mule application?

A. One of the stored procedures being called by the Mule application has been renamed
B. The database server has been updated and hence the database driver library/JAR needs a minor version upgrade
C. The database server was unavailable for four hours due to a major outage but is now fully operational again
D. The credentials for accessing the database have been updated and the previous credentials are no longer valid

Answer: D

NEW QUESTION 15
A team would like to create a project skeleton that developers can use as a starting point when creating API implementations with Anypoint Studio. This skeleton should help drive consistent use of best practices within the team.
What type of Anypoint Exchange artifact(s) should be added to Anypoint Exchange to publish the project skeleton?

A. A RAML archetype and reusable trait definitions to be reused across API implementations
B. A custom asset with the default API implementation
C. An example of an API implementation following best practices
D. A Mule application template with the key components and minimal integration logic

Answer: D

NEW QUESTION 17
An integration Mule application is deployed to a customer-hosted multi-node Mule 4 runtime duster. The Mule application uses a Listener operation of a JMS connector to receive incoming messages from a JMS queue.
How are the messages consumed by the Mule application?

A. Depending on the JMS provider's configuration, either all messages are consumed by ONLY the primary cluster node or else ALL messages are consumed by ALL cluster nodes
B. Regardless of the Listener operation configuration, all messages are consumed by ALL cluster nodes
C. Depending on the Listener operation configuration, either all messages are consumed by ONLY the primary cluster node or else EACH message is consumed by ANY ONE cluster node
D. Regardless of the Listener operation configuration, all messages are consumed by ONLY the primary cluster node

Answer: C

NEW QUESTION 21
Refer to the exhibit.
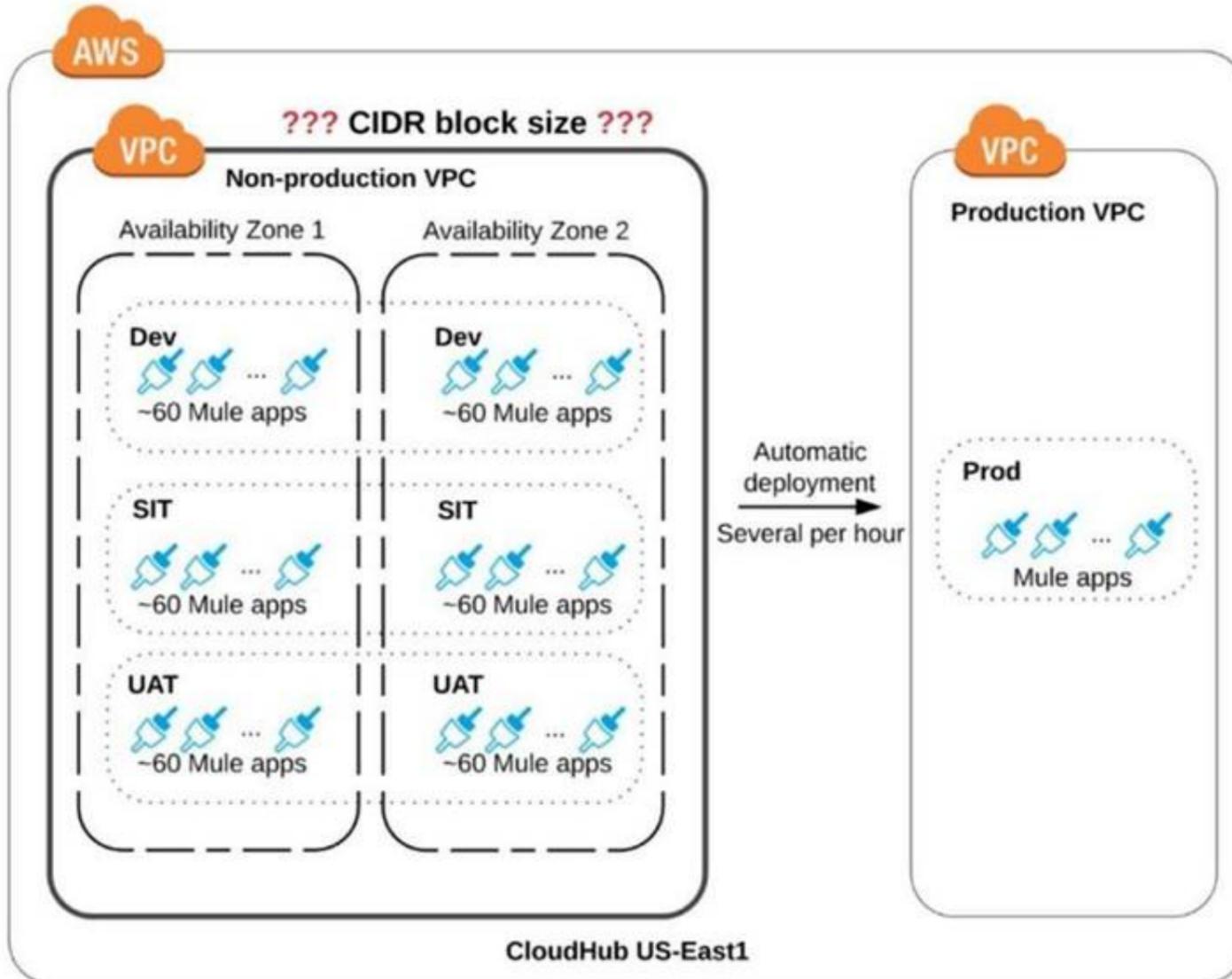
An organization is sizing an Anypoint VPC for the non-production deployments of those Mule applications that connect to the organization's on-premises systems. This applies to approx. 60 Mule applications. Each application is deployed to two CloudHub i workers. The organization currently has three non-production environments (DEV, SIT and UAT) that share this VPC. The AWS region of the VPC has two AZs.

The organization has a very mature DevOps approach which automatically progresses each application through all non-production environments before automatically deploying to production. This process results in several Mule application deployments per hour, using CloudHub's normal zero-downtime deployment feature.

What is a CIDR block for this VPC that results in the smallest usable private IP address range?

A. 10.0.0.0/26 (64 IPS)
B. 10.0.0.0/25 (128 IPs)
C. 10.0.0.0/24 (256 IPs)
D. 10.0.0.0/22 (1024 IPs)

Answer: D

NEW QUESTION 24
What metrics about API invocations are available for visualization in custom charts using Anypoint Analytics?

A. Request size, request HTTP verbs, response time
B. Request size, number of requests, JDBC Select operation result set size
C. Request size, number of requests, JDBC Select operation response time
D. Request size, number of requests, response size, response time

Answer: D

NEW QUESTION 28
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 orderConfigure 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 servic
D. Use persistent storage when creating RESP
E. 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

Answer: B

NEW QUESTION 33
Refer to the exhibit.
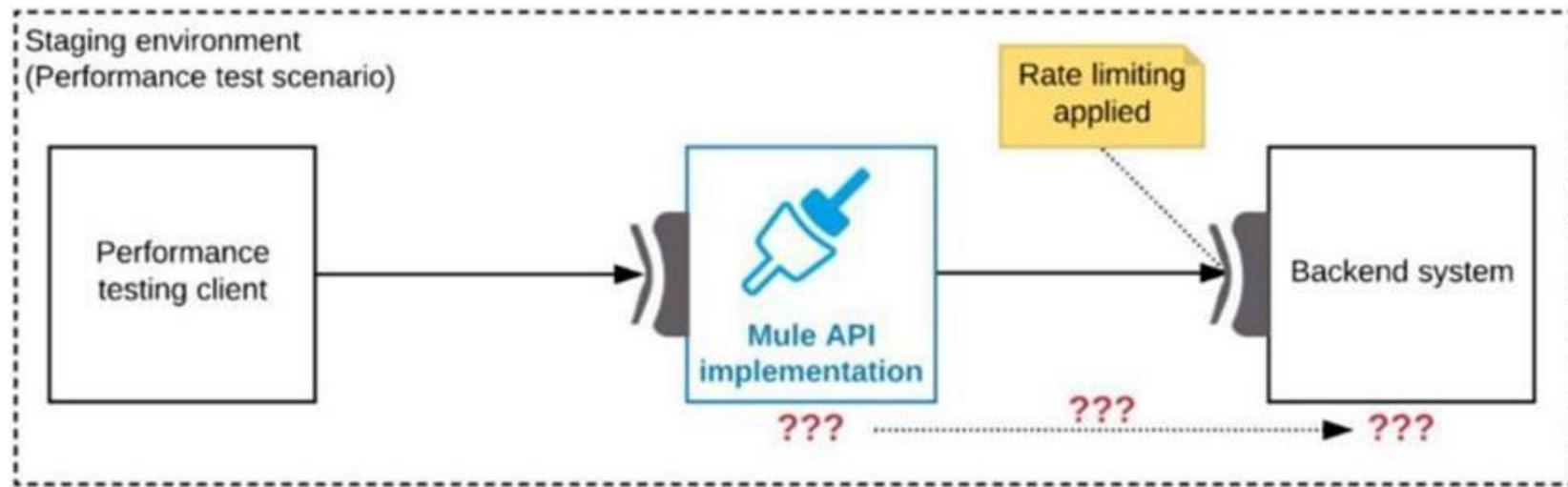
One of the backend systems invoked by an API implementation enforces rate limits on the number of requests a particular client can make. Both the backend system and the API implementation are deployed to several non-production environments in addition to production.
Rate limiting of the backend system applies to all non-production environments. The production environment, however, does NOT have any rate limiting.
What is the most effective approach to conduct performance tests of the API implementation in a staging (non-production) environment?

A. Use MUnit to simulate standard responses from the backend systemThen conduct performance tests to identify other bottlenecks in the system
B. Create a mocking service that replicates the backend system's production performance characteristicsThen configure the API implementation to use the mocking service and conduct the performance tests
C. Conduct scaled-down performance tests in the staging environment against the rate limited backend systemThen upscale performance results to full production scale
D. Include logic within the API implementation that bypasses invocations of the backend system in a performance test situation, instead invoking local stubs that replicate typical backend system responsesThen conduct performance tests using this API implementation

Answer: C

NEW QUESTION 34
A Mule application contains a Batch Job with two Batch Steps (Batch_Step_1 and Batch_Step_2). A payload with 1000 records is received by the Batch Job.
How many threads are used by the Batch Job to process records, and how does each Batch Step process records within the Batch Job?

A. Each Batch Job uses SEVERAL THREADS for the Batch StepsEach Batch Step instance receives ONE record at a time as the payload, and BATCH STEP INSTANCES execute IN PARALLEL to process records and Batch Steps in ANY order as fast as possible
B. Each Batch Job uses SEVERAL THREADS for the Batch StepsEach Batch Step instance receives ONE record at a time as the payload, and RECORDS are processed IN PARALLEL within and between the two Batch Steps
C. Each Batch Job uses a SINGLE THREAD for all Batch StepsEach Batch Step instance receives ONE record at a time as the payload, and RECORDS are processed IN ORDER, first through Batch_Step_1 and then through Batch_Step_2
D. Each Batch Job uses a SINGLE THREAD to process a configured block size of recordEach Batch Step instance receives A BLOCK OF records as the payload, and BLOCKS of records are processed IN ORDER

Answer: A

NEW QUESTION 39
Refer to the exhibit. A Mule application is being designed to expose a SOAP web service to its clients.
What language is typically used inside the web service's interface definition to define the data structures that the web service is expected to exchange with its clients?
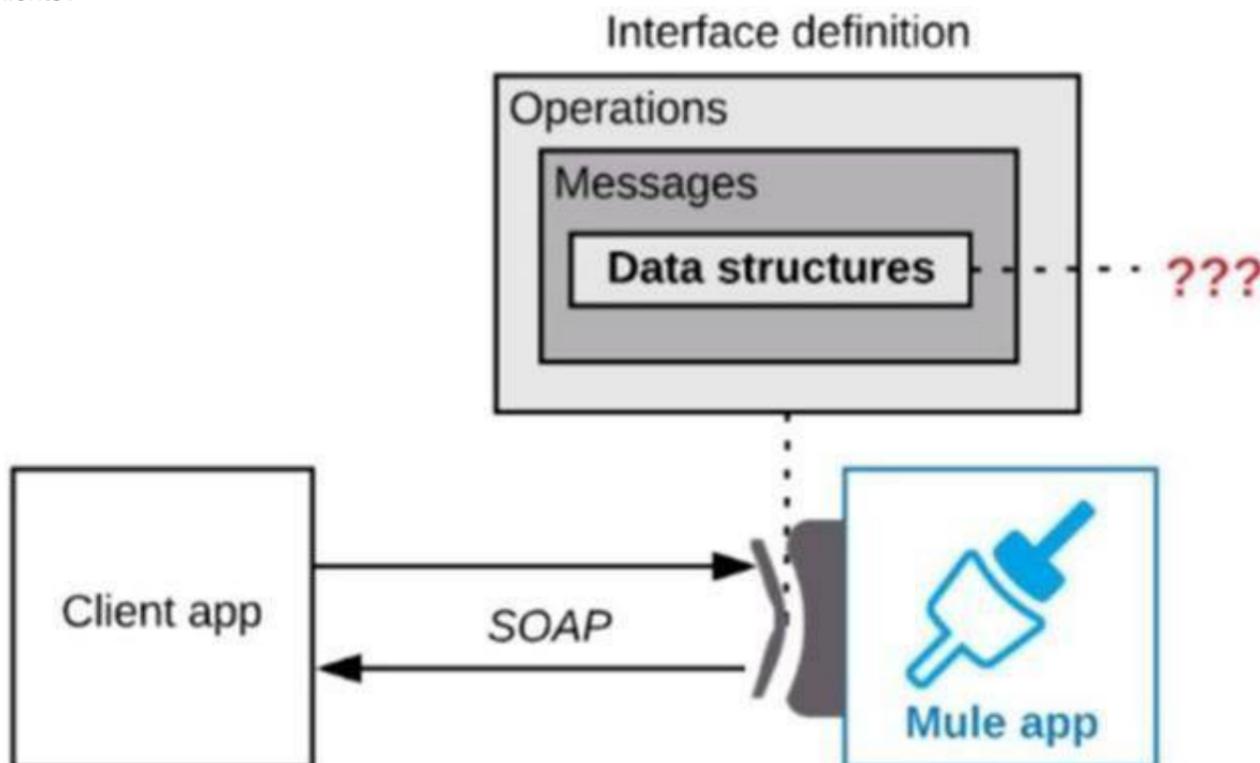
A. JSON Schema
B. RAML
C. WSDL

D. XSD

Answer: C

NEW QUESTION 41
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