

# Salesforce

## Exam Questions MuleSoft-Integration-Architect-I

Salesforce Certified MuleSoft Integration Architect 1 (SP24) Exam



#### NEW QUESTION 1

What is an advantage that Anypoint Platform offers by providing universal API management and Integration-Platform-as-a-Service (iPaaS) capabilities in a unified platform?

- A. Ability to use a single iPaaS to manage and integrate all API gateways
- B. Ability to use a single connector to manage and integrate all APIs
- C. Ability to use a single control plane for both full-lifecycle API management and integration
- D. Ability to use a single iPaaS to manage all API developer portals

**Answer: C**

#### NEW QUESTION 2

When designing an upstream API and its implementation, the development team has been advised to not set timeouts when invoking downstream API. Because the downstream API has no SLA that can be relied upon. This is the only downstream API dependency of that upstream API. Assume the downstream API runs uninterrupted without crashing. What is the impact of this advice?

- A. The invocation of the downstream API will run to completion without timing out.
- B. An SLA for the upstream API CANNOT be provided.
- C. A default timeout of 500 ms will automatically be applied by the Mule runtime in which the upstream API implementation executes.
- D. A load-dependent timeout of less than 1000 ms will be applied by the Mule runtime in which the downstream API implementation executes.

**Answer: B**

#### NEW QUESTION 3

An insurance provider is implementing Anypoint platform to manage its application infrastructure and is using the customer hosted runtime for its business due to certain financial requirements it must meet. It has built a number of synchronous APIs and is currently hosting these on a mule runtime on one server. These applications make use of a number of components including heavy use of object stores and VM queues. Business has grown rapidly in the last year and the insurance provider is starting to receive reports of reliability issues from its applications. The DevOps team indicates that the APIs are currently handling too many requests and this is over loading the server. The team has also mentioned that there is a significant downtime when the server is down for maintenance. As an integration architect, which option would you suggest to mitigate these issues?

- A. Add a load balancer and add additional servers in a server group configuration
- B. Add a load balancer and add additional servers in a cluster configuration
- C. Increase physical specifications of server CPU memory and network
- D. Change applications by use an event-driven model

**Answer: B**

#### NEW QUESTION 4

A Mule application is being designed for deployment to a single CloudHub worker. The Mule application will have a flow that connects to a SaaS system to perform some operations each time the flow is invoked. The SaaS system connector has operations that can be configured to request a short-lived token (fifteen minutes) that can be reused for subsequent connections within the fifteen minute time window. After the token expires, a new token must be requested and stored. What is the most performant and idiomatic (used for its intended purpose) Anypoint Platform component or service to use to support persisting and reusing tokens in the Mule application to help speed up reconnecting the Mule application to the SaaS application?

- A. Nonpersistent object store
- B. Persistent object store
- C. Variable
- D. Database

**Answer: D**

#### NEW QUESTION 5

A global, high-volume shopping Mule application is being built and will be deployed to CloudHub. To improve performance, the Mule application uses a Cache scope that maintains cache state in a CloudHub object store. Web clients will access the Mule application over HTTP from all around the world, with peak volume coinciding with business hours in the web client's geographic location. To achieve optimal performance, what Anypoint Platform region should be chosen for the CloudHub object store?

- A. Choose the same region as to where the Mule application is deployed
- B. Choose the US-West region, the only supported region for CloudHub object stores
- C. Choose the geographically closest available region for each web client
- D. Choose a region that is the traffic-weighted geographic center of all web clients

**Answer: A**

#### NEW QUESTION 6

According to MuleSoft's IT delivery and operating model, which approach can an organization adopt in order to reduce the frequency of IT project delivery failures?

- A. Decouple central IT projects from the innovation that happens within each line of business
- B. Adopt an enterprise data model
- C. Prevent technology sprawl by reducing production of API assets
- D. Stop scope creep by centralizing requirements-gathering

**Answer: A**

**NEW QUESTION 7**

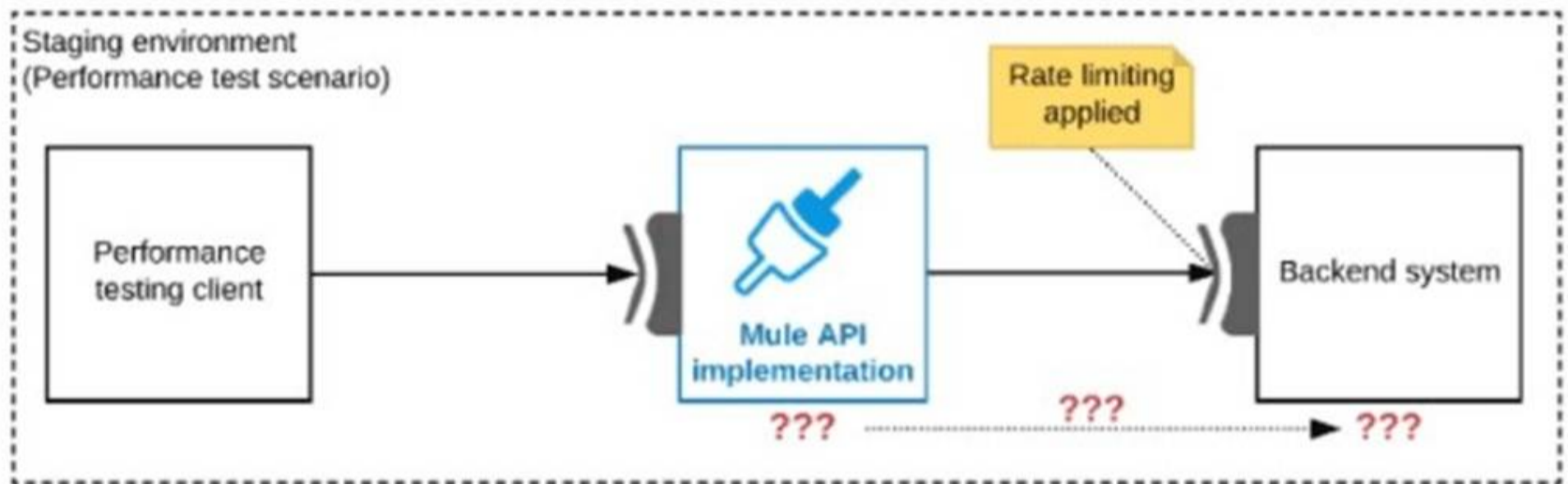
What is true about the network connections when a Mule application uses a JMS connector to interact with a JMS provider (message broker)?

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

**Answer: C**

**NEW QUESTION 8**

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

**Answer: A**

**NEW QUESTION 9**

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.

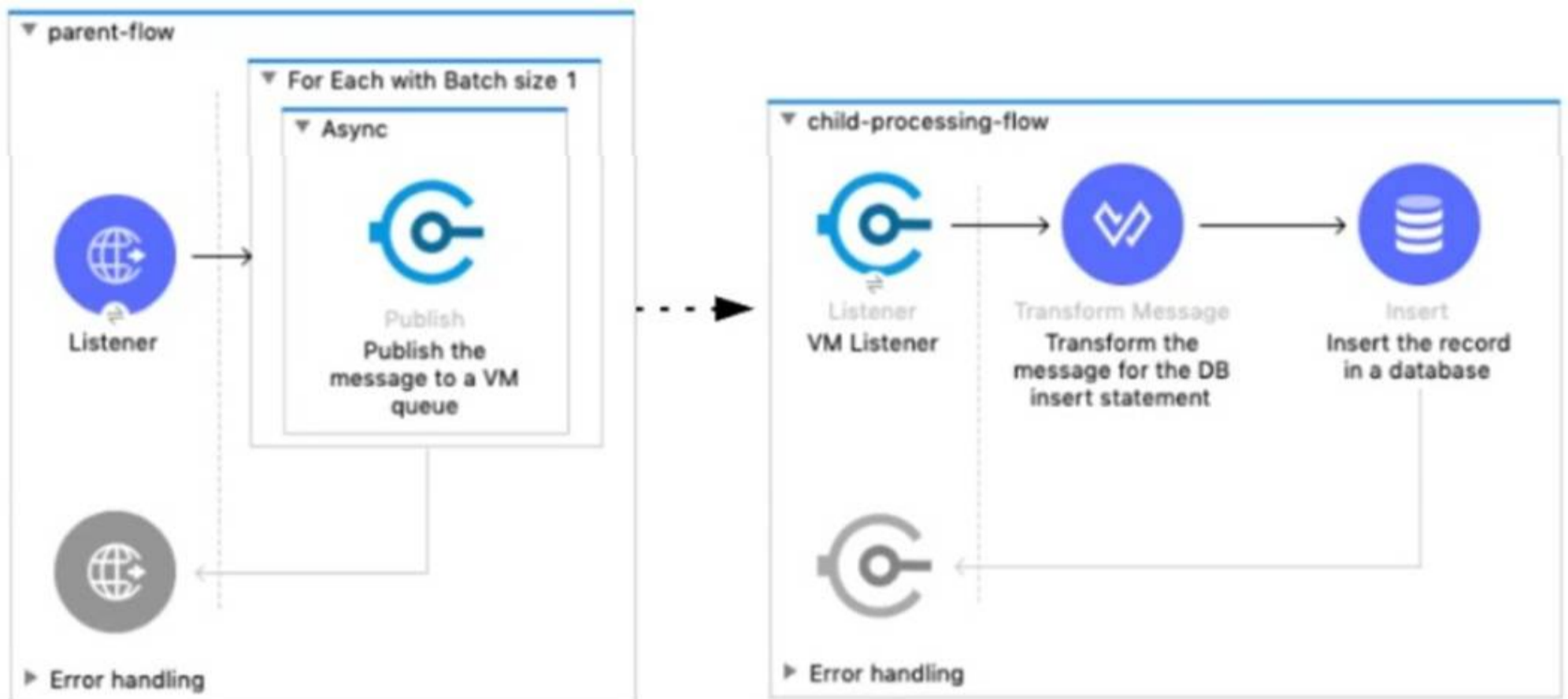
What is the effective approach for successfully executing the Munit tests of this new application while still achieving the required test coverage for the Munit tests?

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

**Answer: C**

**NEW QUESTION 10**

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 of this flow processes each received item by writing the item to a database. This Mule application is deployed to four CloudHub workers with persistent queues enabled.

What message processing guarantees are provided by the VM queue and the CloudHub workers, and how are VM messages routed among the CloudHub workers for each invocation of the parent flow under normal operating conditions where all the CloudHub workers remain online?

- A. EACH item VM message is processed AT MOST ONCE by ONE CloudHub worker, with workers chosen in a deterministic round-robin fashion Each of the four CloudHub workers can be expected to process 1/4 of the Item VM messages (about 50 items)
- B. EACH item VM message is processed AT LEAST ONCE by ONE ARBITRARY CloudHub worker Each of the four CloudHub workers can be expected to process some item VM messages
- C. ALL Item VM messages are processed AT LEAST ONCE by the SAME CloudHub worker where the parent flow was invoked This one CloudHub worker processes ALL 200 item VM messages
- D. ALL item VM messages are processed AT MOST ONCE by ONE ARBITRARY CloudHub worker This one CloudHub worker processes ALL 200 item VM messages

**Answer: B**

**NEW QUESTION 10**

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: AE**

**NEW QUESTION 15**

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: D**

**NEW QUESTION 18**

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 REST API
- B. Object Store connector
- C. Both of the above option will have same latency

D. Object Store of one mule application cannot be accessed by other mule application.

**Answer:** A

**NEW QUESTION 19**

An external API frequently invokes an Employees System API to fetch employee data from a MySQL database. The architect must design a caching strategy to query the database only when there is an update to the Employees table or else return a cached response in order to minimize the number of redundant transactions being handled by the database.

- A. Use an On Table Row operation configured with the Employees table, call invalidate cache, and hardcode the new Employees data to cache
- B. Use an object-store-caching- strategy and set the expiration interval to 1 hour.
- C. Use an On Table Row operation configured with the Employees table and call invalidate cache
- D. Use an object-store-caching-strategy and the default expiration interval.
- E. Use a Scheduler with a fixed frequency set to every hour to trigger an invalidate cache flow
- F. Use an object-store-caching-strategy and the default expiration interval.
- G. Use a Scheduler with a fixed frequency set to every hour, triggering an invalidate cache flow
- H. Use an object-store-caching-strategy and set the expiration interval to 1 hour.

**Answer:** B

**NEW QUESTION 24**

What Mule application can have API policies applied by Anypoint Platform to the endpoint exposed by that Mule application?

- A. A Mule application that accepts requests over HTTP/1x
- B. A Mule application that accepts JSON requests over TCP but is NOT required to provide a response.
- C. A Mule application that accepts JSON requests over WebSocket
- D. A Mule application that accepts gRPC requests over HTTP/2

**Answer:** A

**NEW QUESTION 28**

What comparison is true about a CloudHub Dedicated Load Balancer (DLB) vs. the CloudHub Shared Load Balancer (SLB)?

- A. Only a DLB allows the configuration of a custom TLS server certificate
- B. Only the SLB can forward HTTP traffic to the VPC-internal ports of the CloudHub workers
- C. Both a DLB and the SLB allow the configuration of access control via IP whitelists
- D. Both a DLB and the SLB implement load balancing by sending HTTP requests to workers with the lowest workloads

**Answer:** A

**NEW QUESTION 32**

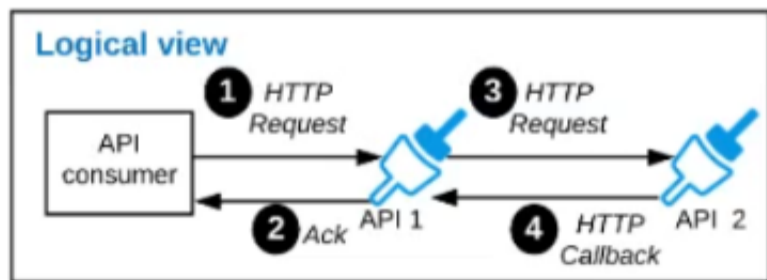
How are the API implementation , API client, and API consumer combined to invoke and process an API ?

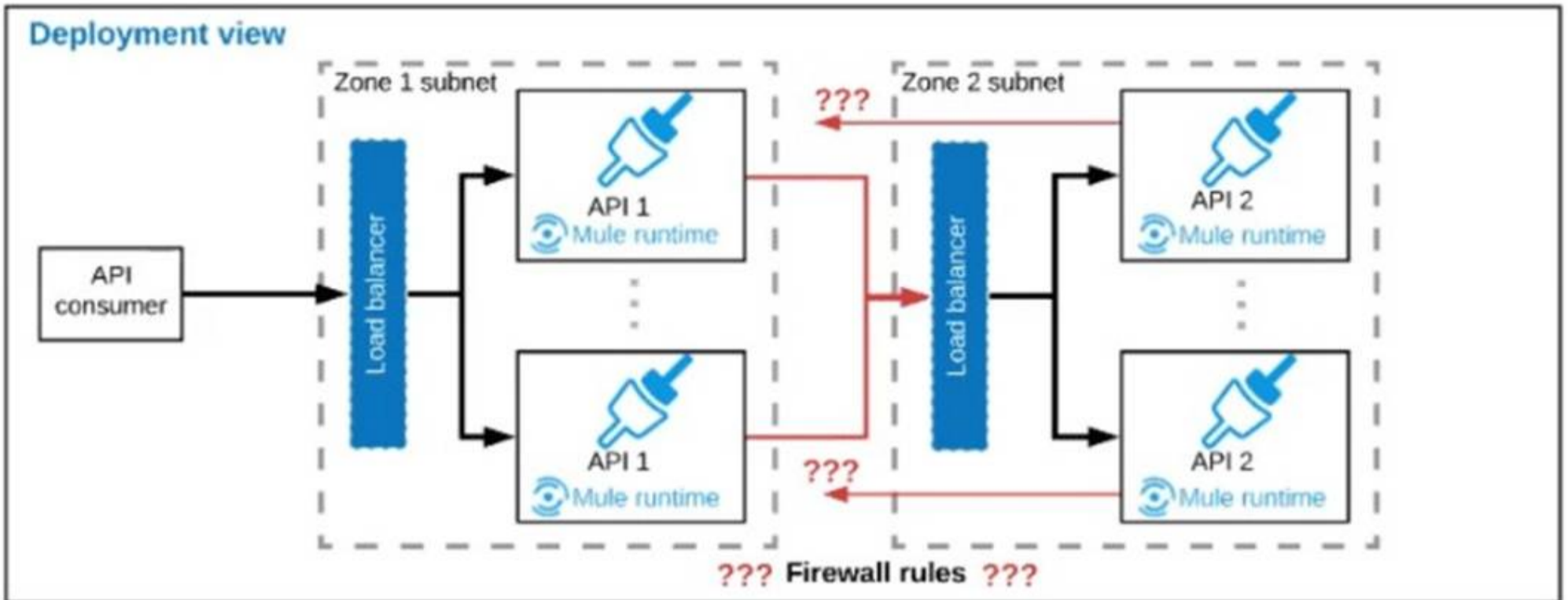
- A. The API consumer creates an API implementation , which receives API invocations from an API such that they are processed for an API client
- B. The API consumer creates an API client which sends API invocations to an API such that they are processed by an API implementation
- C. An API client creates an API consumer, which receives API invocation from an API such that they are processed for an API implementation
- D. The API client creates an API consumer which sends API invocations to an API such that they are processed by API implementation

**Answer:** C

**NEW QUESTION 34**

Refer to the exhibit.





A business process involves two APIs that interact with each other asynchronously over HTTP. Each API is implemented as a Mule application. API 1 receives the initial HTTP request and invokes API 2 (in a fire and forget fashion) while API 2, upon completion of the processing, calls back into API 1 to notify about completion of the asynchronous process.

Each API is deployed to multiple redundant Mule runtimes and a separate load balancer, and is deployed to a separate network zone. In the network architecture, how must the firewall rules be configured to enable the above interaction between API 1 and API 2?

- A. To authorize the certificate to be used both APIs
- B. To enable communication from each API's Mule Runtimes and Network zone to the load balancer of the other API
- C. To open direct two-way communication between the Mule Runtimes of both APIs
- D. To allow communication between load balancers used by each API

**Answer: B**

**NEW QUESTION 35**

An organization plans to extend its Mule APIs to the EU (Frankfurt) region.

Currently, all Mule applications are deployed to CloudHub 1.0 in the default North American region, from the North America control plane, following this naming convention: {API-name}-{environment} (for example, Orderssapi-dev, Orders-sapi-qa, Orders-sapi-prod, etc.).

There is no network restriction to block communications between APIs.

What strategy should be implemented in order to deploy the same Mule APIs to the CloudHub 1.0 EU region from the North America control plane, as well as to minimize latency between APIs and target users and systems in Europe?

- A. In Runtime Manager, for each Mule application deployment, set the Region property to EU (Frankfurt) and reuse the same Mule application name as in the North American region. Communicate the new urls {API-name}-{environment}.de-ci.cloudhub.io to the consuming API clients in Europe.
- B. In API Manager, set the Region property to EU (Frankfurt) to create an API proxy named {API-name}-proxy-{environment} for each Mule application. Communicate the new url {API-name}-proxy-{environment}.de-c1.cloudhub.io to the consuming API clients in Europe.
- C. In Runtime Manager, for each Mule application deployment, leave the Region property blank (default) and change the Mule application name to {API-name}-{environment}.de-cl. Communicate the new urls {API-name}-{environment}.de-ci1.cloudhub.io to the consuming API clients in Europe.
- D. In API Manager, leave the Region property blank (default) to deploy an API proxy named {API-name}-proxy--(environment).de-cl for each Mule application.
- E. Communicate the new url {API-name}-proxy-{environment}.de-cl.cloudhub.io to the consuming API clients in Europe.

**Answer: A**

**NEW QUESTION 36**

A Mule application uses APIkit for SOAP to implement a SOAP web service. The Mule application has been deployed to a CloudHub worker in a testing environment.

The integration testing team wants to use a SOAP client to perform integration testing. To carry out the integration tests, the integration team must obtain the interface definition for the SOAP web service.

What is the most idiomatic (used for its intended purpose) way for the integration testing team to obtain the interface definition for the deployed SOAP web service in order to perform integration testing with the SOAP client?

- A. Retrieve the OpenAPI Specification file(s) from API Manager
- B. Retrieve the WSDL file(s) from the deployed Mule application
- C. Retrieve the RAML file(s) from the deployed Mule application
- D. Retrieve the XML file(s) from Runtime Manager

**Answer: D**

**NEW QUESTION 41**

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

#### NEW QUESTION 43

An organization has deployed both Mule and non-Mule API implementations to integrate its customer and order management systems. All the APIs are available to REST clients on the public internet.

The organization wants to monitor these APIs by running health checks: for example, to determine if an API can properly accept and process requests. The organization does not have subscriptions to any external monitoring tools and also does not want to extend its IT footprint.

What Anypoint Platform feature provides the most idiomatic (used for its intended purpose) way to monitor the availability of both the Mule and the non-Mule API implementations?

- A. API Functional Monitoring
- B. Runtime Manager
- C. API Manager
- D. Anypoint Visualizer

Answer: D

#### NEW QUESTION 48

An Order microservice and a Fulfillment microservice are being designed to communicate with their clients through message-based integration (and NOT through API invocations).

The Order microservice publishes an Order message (a kind of command message) containing the details of an order to be fulfilled. The intention is that Order messages are only consumed by one Mule application, the Fulfillment microservice.

The Fulfillment microservice consumes Order messages, fulfills the order described therein, and then publishes an OrderFulfilled message (a kind of event message). Each OrderFulfilled message can be consumed by any interested Mule application, and the Order microservice is one such Mule application.

What is the most appropriate choice of message broker(s) and message destination(s) in this scenario?

- A. Order messages are sent to an Anypoint MQ exchange OrderFulfilled messages are sent to an Anypoint MQ queue Both microservices interact with Anypoint MQ as the message broker, which must therefore scale to support the load of both microservices
- B. Order messages are sent to a JMS queue
- C. OrderFulfilled messages are sent to a JMS topic Both microservices interact with the same JMS provider (message broker) instance, which must therefore scale to support the load of both microservices
- D. Order messages are sent directly to the Fulfillment microservice
- E. OrderFulfilled messages are sent directly to the Order microservice The Order microservice interacts with one AMQP-compatible message broker and the Fulfillment microservice interacts with a different AMQP-compatible message broker, so that both message brokers can be chosen and scaled to best support the load of each microservice
- F. Order messages are sent to a JMS queue
- G. OrderFulfilled messages are sent to a JMS topic The Order microservice interacts with one JMS provider (message broker) and the Fulfillment microservice interacts with a different JMS provider, so that both message brokers can be chosen and scaled to best support the load of each microservice

Answer: B

#### NEW QUESTION 52

According to MuleSoft, which deployment characteristic applies to a microservices application architecture?

- A. Services exist as independent deployment artifacts and can be scaled -independently of other services
- B. All services of an application can be deployed together as single Java WAR file
- C. A deployment to enhance one capability requires a redeployment of all capabilities
- D. Core business capabilities are encapsulated in a single, deployable application

Answer: A

#### NEW QUESTION 57

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: AB

#### NEW QUESTION 58

An IT integration delivery team begins a project by gathering all of the requirements, and proceeds to execute the remaining project activities as sequential, non-repeating phases.

Which IT project delivery methodology is this team following?

- A. Kanban
- B. Scrum
- C. Waterfall
- D. Agile

Answer: C

### NEW QUESTION 63

A system administrator needs to determine when permissions were last changed for an Anypoint Platform user. Which Anypoint Platform component should the administrator use to obtain this information?

- A. Audit Logging
- B. Anypoint Monitoring
- C. Anypoint Studio
- D. Mule Stack Traces

**Answer:** A

### NEW QUESTION 64

An organization is designing an integration solution to replicate financial transaction data from a legacy system into a data warehouse (DWH). The DWH must contain a daily snapshot of financial transactions, to be delivered as a CSV file. Daily transaction volume exceeds tens of millions of records, with significant spikes in volume during popular shopping periods. What is the most appropriate integration style for an integration solution that meets the organization's current requirements?

- A. Event-driven architecture
- B. Microservice architecture
- C. API-led connectivity
- D. Batch-triggered ETL

**Answer:** D

### NEW QUESTION 65

An organization is creating a Mule application that will be deployed to CloudHub. The Mule application has a property named dbPassword that stores a database user's password. The organization's security standards indicate that the dbPassword property must be hidden from every Anypoint Platform user after the value is set in the Runtime Manager Properties tab. What configuration in the Mule application helps hide the dbPassword property value in Runtime Manager?

- A. Use secure::dbPassword as the property placeholder name and store the cleartext (unencrypted) value in a secure properties placeholder file
- B. Use secure::dbPassword as the property placeholder name and store the property encrypted value in a secure properties placeholder file
- C. Add the dbPassword property to the secureProperties section of the pom.xml file
- D. Add the dbPassword property to the secureProperties section of the mule-artifact.json file

**Answer:** B

### NEW QUESTION 68

An organization is migrating all its Mule applications to Runtime Fabric (RTF). None of the Mule applications use Mule domain projects. Currently, all the Mule applications have been manually deployed to a server group among several customer hosted Mule runtimes. Port conflicts between these Mule application deployments are currently managed by the DevOps team who carefully manage Mule application properties files. When the Mule applications are migrated from the current customer-hosted server group to Runtime Fabric (RTF), for the Mule applications need to be rewritten and what DevOps port configuration responsibilities change or stay the same?

- A. Yes, the Mule applications Must be rewritten DevOps No Longer needs to manage port conflicts between the Mule applications
- B. Yes, the Mule applications Must be rewritten DevOps Must Still Manage port conflicts.
- C. NO, The Mule applications do NOT need to be rewritten DevOps MUST STILL manage port conflicts
- D. NO, the Mule applications do NO need to be rewritten DevOps NO LONGER needs to manage port conflicts between the Mule applications.

**Answer:** C

### NEW QUESTION 72

Cloud Hub is an example of which cloud computing service model?

- A. Platform as a Service (PaaS)
- B. Software as a Service (SaaS)
- C. Monitoring as a Service (MaaS)
- D. Infrastructure as a Service (IaaS)

**Answer:** A

### NEW QUESTION 77

What requirement prevents using Anypoint MQ as the messaging broker for a Mule application?

- A. When the payload sent through the message broker must use XML format
- B. When the payload sent through the message broker must be encrypted
- C. When the messaging broker must support point-to-point messaging
- D. When the messaging broker must be deployed on-premises

**Answer:** D

### NEW QUESTION 79

What is not true about Mule Domain Project?

- A. This allows Mule applications to share resources
- B. Expose multiple services within the Mule domain on the same port

- C. Only available Anypoint Runtime Fabric
- D. Send events (messages) to other Mule applications using VM queues

**Answer: C**

#### NEW QUESTION 81

A marketing organization is designing a Mule application to process campaign data. The Mule application will periodically check for a file in a SFTP location and process the records in the file. The size of the file can vary from 10MB to 5GB. Due to the limited availability of vCores, the Mule application is deployed to a single CloudHub worker configured with vCore size 0.2.

The application must transform and send different formats of this file to three different downstream SFTP locations.

What is the most idiomatic (used for its intended purpose) and performant way to configure the SFTP operations or event sources to process the large files to support these deployment requirements?

- A. Use an in-memory repeatable stream
- B. Use a file-stored non-repeatable stream
- C. Use an in-memory non-repeatable stream
- D. Use a file-stored repeatable stream

**Answer: A**

#### NEW QUESTION 84

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. EDIFACT XML over SFTP JSON/REST over HTTPS
- B. SOAP over HTTPS HOP over TLS gRPC over HTTPS
- C. XML over ActiveMQ XML over SFTP XML/REST over HTTPS
- D. CSV over FTP YAML over TLS JSON over HTTPS

**Answer: C**

#### NEW QUESTION 88

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. 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
- B. 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
- C. Use Anypoint Exchange to register the various Mule applications and APIs and share the RAML definitions with the stakeholders, so they can be discovered
- D. 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

**Answer: B**

#### NEW QUESTION 90

An integration Mule application consumes and processes a list of rows from a CSV file. Each row must be read from the CSV file, validated, and the row data sent to a JMS queue, in the exact order as in the CSV file.

If any processing step for a row fails, then a log entry must be written for that row, but processing of other rows must not be affected.

What combination of Mule components is most idiomatic (used according to their intended purpose) when implementing the above requirements?

- A. Scatter-Gather component On Error Continue scope
- B. VM connector first Successful scope On Error Propagate scope
- C. For Each scope On Error Continue scope
- D. Async scope On Error Propagate scope

**Answer: C**

#### NEW QUESTION 92

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**

#### NEW QUESTION 95

An organization's IT team must secure all of the internal APIs within an integration solution by using an API proxy to apply required authentication and authorization policies.

Which integration technology, when used for its intended purpose, should the team choose to meet these requirements if all other relevant factors are equal?

- A. API Management (APIM)
- B. Robotic Process Automation (RPA)
- C. Electronic Data Interchange (EDI)
- D. Integration Platform-as-a-service (PaaS)

**Answer:** A

#### NEW QUESTION 97

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 BOTH DB inserts in ONE DB transaction3) Acknowledge the JMS message
- B. 1) Read the JMS message (NOT in an XA transaction)2) Perform EACH DB insert in a SEPARATE DB transaction3) Acknowledge the JMS message
- C. 1) Read the JMS message in an XA transaction2) In the SAME XA transaction, perform BOTH DB inserts but do NOT acknowledge the JMS message
- D. 1) Read and acknowledge the JMS message (NOT in an XA transaction)2) In a NEW XA transaction, perform BOTH DB inserts

**Answer:** A

#### NEW QUESTION 100

A company is designing a mule application to consume batch data from a partner's ftps server. The data files have been compressed and then digitally signed using PGP. What inputs are required for the application to securely consume these files?

- A. ATLS context Key Store requiring the private key and certificate for the company PGP public key of partner PGP private key for the company
- B. ATLS context first store containing a public certificate for partner ftps server and the PGP public key of the partner TLS context Key Store containing the FTP credentials
- C. TLS context trust store containing a public certificate for the ftps server The FTP username and password The PGP public key of the partner
- D. The PGP public key of the partner The PGP private key for the company The FTP username and password

**Answer:** D

#### NEW QUESTION 104

An organization has chosen Mulesoft for their integration and API platform.

According to the Mulesoft catalyst framework, what would an integration architect do to create achievement goals as part of their business outcomes?

- A. Measure the impact of the centre for enablement
- B. build and publish foundational assets
- C. agree upon KPI's and help develop and overall success plan
- D. evangelize API's

**Answer:** C

#### NEW QUESTION 109

According to MuleSoft, a synchronous invocation of a RESTful API using HTTP to get an individual customer record from a single system is an example of which system integration interaction pattern?

- A. Request-Reply
- B. Multicast
- C. Batch
- D. One-way

**Answer:** A

#### NEW QUESTION 114

A corporation has deployed Mule applications to different customer-hosted Mule runtimes. Mule applications deployed to these Mule runtimes are managed by Anypoint Platform.

What needs to be installed or configured (if anything) to monitor these Mule applications from Anypoint Monitoring, and how is monitoring data from each Mule application sent to Anypoint Monitoring?

- A. Enable monitoring of individual Mule applications from the Runtime Manager application settings. Runtime Manager sends monitoring data to Anypoint Monitoring for each deployed Mule application.
- B. Install a Runtime Manager agent on each Mule runtime. Each Runtime Manager agent sends monitoring data from the Mule applications running in its Mule runtime to Runtime Manager, then Runtime Manager sends monitoring data to Anypoint Monitoring.
- C. Leave the out-of-the-box Anypoint Monitoring agent unchanged in its default Mule runtime installation. Each Anypoint Monitoring agent sends monitoring data from the Mule applications running in its Mule runtime to Runtime Manager, then Runtime Manager sends monitoring data to Anypoint Monitoring.
- D. Install an Anypoint Monitoring agent on each Mule runtime. Each Anypoint Monitoring agent sends monitoring data from the Mule applications running in its Mule runtime to Anypoint Monitoring.

**Answer:** D

#### NEW QUESTION 118

An integration team uses Anypoint Platform and follows MuleSoft's recommended approach to full lifecycle API development.

Which step should the team's API designer take before the API developers implement the API Specification?

- A. Generate test cases using MUnit so the API developers can observe the results of running the API
- B. Use the scaffolding capability of Anypoint Studio to create an API portal based on the API specification
- C. Publish the API specification to Exchange and solicit feedback from the API's consumers
- D. Use API Manager to version the API specification

**Answer: C**

**NEW QUESTION 122**

What approach configures an API gateway to hide sensitive data exchanged between API consumers and API implementations, but can convert tokenized fields back to their original value for other API requests or responses, without having to recode the API implementations?

- A. Create both masking and tokenization formats and use both to apply a tokenization policy in an API gateway to mask sensitive values in message payloads with characters, and apply a corresponding detokenization policy to return the original values to other APIs
- B. Create a masking format and use it to apply a tokenization policy in an API gateway to mask sensitive values in message payloads with characters, and apply a corresponding detokenization policy to return the original values to other APIs
- C. Use a field-level encryption policy in an API gateway to replace sensitive fields in message payload with encrypted values, and apply a corresponding field-level decryption policy to return the original values to other APIs
- D. Create a tokenization format and use it to apply a tokenization policy in an API gateway to replace sensitive fields in message payload with similarly formatted tokenized values, and apply a corresponding detokenization policy to return the original values to other APIs

**Answer: D**

**NEW QUESTION 124**

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. Set a particular log4J2 log level to TRACE
- D. Deploy a Mule application

**Answer: A**

**NEW QUESTION 125**

An organization's governance process requires project teams to get formal approval from all key stakeholders for all new Integration design specifications. An integration Mule application is being designed that interacts with various backend systems. The Mule application will be created using Anypoint Design Center or Anypoint Studio and will then be deployed to a customer-hosted runtime.

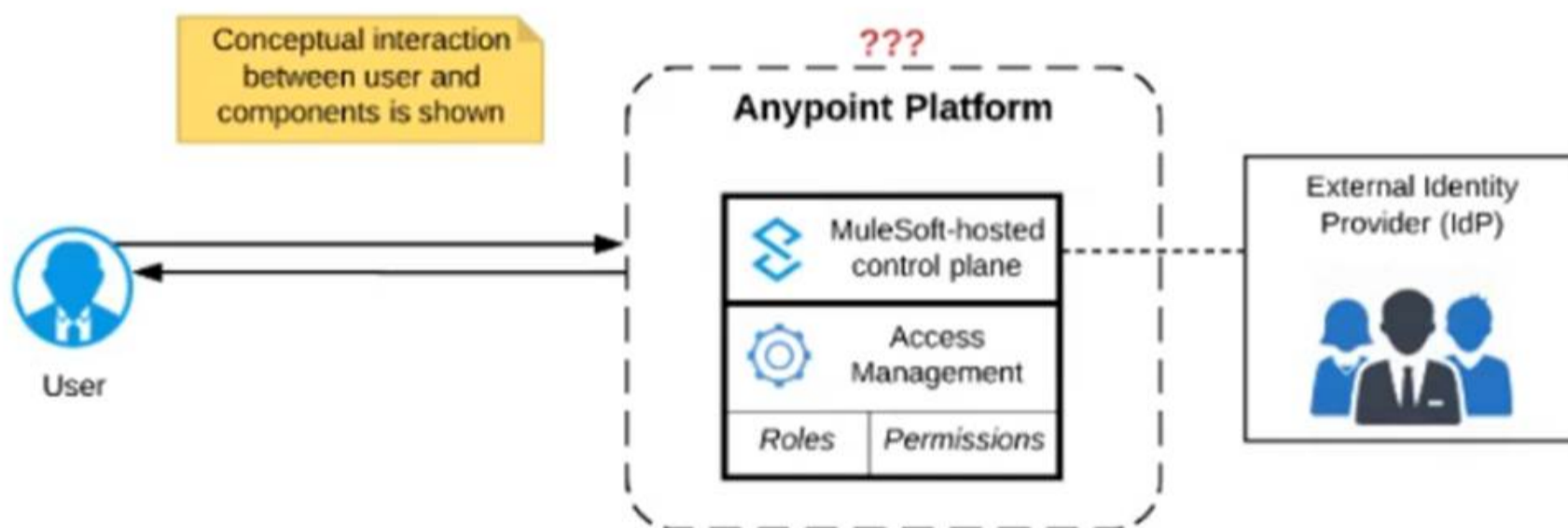
What key elements should be included in the integration design specification when requesting approval for this Mule application?

- A. SLAs and non-functional requirements to access the backend systems
- B. Snapshots of the Mule application's flows, including their error handling
- C. A list of current and future consumers of the Mule application and their contact details
- D. The credentials to access the backend systems and contact details for the administrator of each system

**Answer: A**

**NEW QUESTION 129**

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 133**

A corporation has deployed multiple mule applications implementing various public and private API's to different cloudhub workers. These API's are Critical applications that must be highly available and in line with the reliability SLA as defined by stakeholders. How can API availability (liveliness or readiness) be monitored so that Ops team receives outage notifications?

- A. Enable monitoring of individual applications from Anypoint monitoring
- B. Configure alerts with failure conditions in runtime manager
- C. Configure alerts failure conditions in API manager
- D. Use any point functional monitoring test API's functional behavior

**Answer: A**

**NEW QUESTION 136**

What aspects of a CI/CD pipeline for Mule applications can be automated using MuleSoft- provided Maven plugins?

- A. Compile, package, unit test, deploy, create associated API instances in API Manager B Import from API designer, compile, package, unit test, deploy, publish to Anypoint Exchange
- B. Compile, package, unit test, validate unit test coverage, deploy
- C. Compile, package, unit test, deploy, integration test

**Answer: C**

**NEW QUESTION 139**

An integration architect is designing an API that must accept requests from API clients for both XML and JSON content over HTTP/1.1 by default. Which API architectural style, when used for its intended and typical purposes, should the architect choose to meet these requirements?

- A. SOAP
- B. GraphQL
- C. REST
- D. gRPC

**Answer: C**

**NEW QUESTION 140**

An organization is choosing between API-led connectivity and other integration approaches. According to MuleSoft, which business benefits is associated with an API-led connectivity approach using Anypoint Platform?

- A. improved security through adoption of monolithic architectures
- B. Increased developer productivity through self-service of API assets
- C. Greater project predictability through tight coupling of systems
- D. Higher outcome repeatability through centralized development

**Answer: B**

**NEW QUESTION 145**

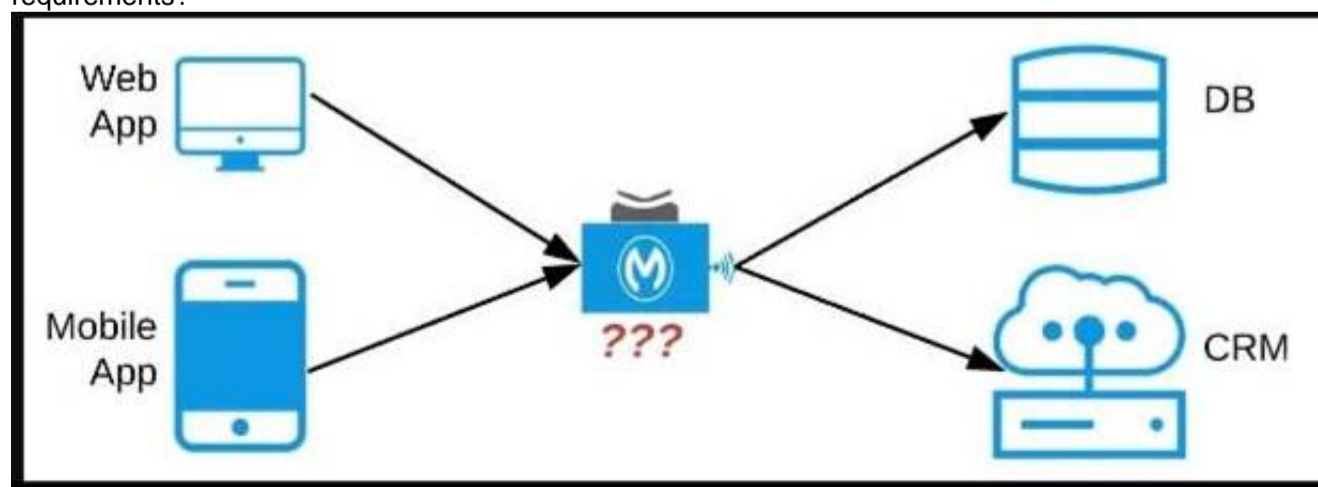
As a part of project requirement, Java Invoke static connector in a mule 4 application needs to invoke a static method in a dependency jar file. What are two ways to add the dependency to be visible by the connectors class loader?  
 (Choose two answers)

- 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: CD**

**NEW QUESTION 148**

An organization needs to enable access to their customer data from both a mobile app and a web application, which each need access to common fields as well as certain unique fields. The data is available partially in a database and partially in a 3rd-party CRM system. What APIs should be created to best fit these design requirements?



- A. A Process API that contains the data required by both the web and mobile apps, allowing these applications to invoke it directly and access the data they need

thereby providing the flexibility to add more fields in the future without needing API changes.

B. One set of APIs (Experience API, Process API, and System API) for the web app, and another set for the mobile app.

C. Separate Experience APIs for the mobile and web app, but a common Process API that invokes separate System APIs created for the database and CRM system

D. A common Experience API used by both the web and mobile apps, but separate Process APIs for the web and mobile apps that interact with the database and the CRM System.

**Answer: C**

#### **NEW QUESTION 150**

A stock trading company handles millions of trades a day and requires excellent performance and reliability within its stock trading system. The company operates a number of event-driven APIs Implemented as Mule applications that are hosted on various customer-hosted Mule clusters and needs to enable message exchanges between the APIs within their internal network using shared message queues.

What is an effective way to meet the cross-cluster messaging requirements of its event- driven APIs?

A. Non-transactional JMS operations with a reliability pattern and manual acknowledgements

B. Persistent VM queues with automatic acknowledgements

C. JMS transactions with automatic acknowledgements

D. extended Architecture (XA) transactions and XA connected components with manual acknowledgements

**Answer: C**

#### **NEW QUESTION 152**

What is a core pillar of the MuleSoft Catalyst delivery approach?

A. Business outcomes

B. Technology centralization

C. Process thinking

D. Scope reduction

**Answer: A**

#### **NEW QUESTION 155**

Which Exchange asset type represents configuration modules that extend the functionality of an API and enforce capabilities such as security?

A. Rulesets

B. Policies

C. REST APIs

D. Connectors

**Answer: B**

#### **NEW QUESTION 156**

As a part of design , Mule application is required call the Google Maps API to perform a distance computation. The application is deployed to cloudhub. At the minimum what should be configured in the TLS context of the HTTP request configuration to meet these requirements?

A. The configuration is built-in and nothing extra is required for the TLS context

B. Request a private key from Google and create a PKCS12 file with it and add it in keyStore as a part of TLS context

C. Download the Google public certificate from a browser, generate JKS file from it and add it in key store as a part of TLS context

D. Download the Google public certificate from a browser, generate a JKS file from it and add it in Truststore as part of the TLS context

**Answer: D**

#### **NEW QUESTION 157**

A new upstream API Is being designed to offer an SLA of 500 ms median and 800 ms maximum (99th percentile) response time. The corresponding API implementation needs to sequentially invoke 3 downstream APIs of very similar complexity. The first of these downstream APIs offers the following SLA for its response time: median: 100 ms, 80th percentile: 500 ms, 95th percentile: 1000 ms. If possible, how can a timeout be set in the upstream API for the invocation of the first downstream API to meet the new upstream API's desired SLA?

A. Set a timeout of 100 ms; that leaves 400 ms for the other two downstream APIs to complete

B. Do not set a timeout; the Invocation of this API Is mandatory and so we must wait until it responds

C. Set a timeout of 50 ms; this times out more invocations of that API but gives additional room for retries

D. No timeout is possible to meet the upstream API's desired SLA; a different SLA must be negotiated with the first downstream API or invoke an alternative API

**Answer: D**

#### **NEW QUESTION 161**

Which Exchange asset type represents a complete API specification in RAML or OAS format?

A. Connectors

B. REST APIs

C. API Spec Fragments

D. SOAP APIs

**Answer: B**

#### NEW QUESTION 163

An insurance company is using a CloudHub runtime plane. As a part of requirement, email alert should be sent to internal operations team every time of policy applied to an API instance is deleted As an integration architect suggest on how this requirement be met?

- A. Use audit logs in Anypoint platform to detect a policy deletion and configure the Audit logs alert feature to send an email to the operations team
- B. Use Anypoint monitoring to configure an alert that sends an email to the operations team every time a policy is deleted in API manager
- C. Create a custom connector to be triggered every time of policy is deleted in API manager
- D. Implement a new application that uses the Audit log REST API to detect the policy deletion and send an email to operations team the SMTP connector

**Answer: D**

#### NEW QUESTION 166

A Kubernetes controller automatically adds another pod replica to the resource pool in response to increased application load. Which scalability option is the controller implementing?

- A. Down
- B. Diagonal
- C. Vertical
- D. Horizontal

**Answer: D**

#### NEW QUESTION 170

An organization has various integrations implemented as Mule applications. Some of these Mule applications are deployed to custom hosted Mule runtimes (on-premises) while others execute in the MuleSoft-hosted runtime plane (CloudHub). To perform the Integra functionality, these Mule applications connect to various backend systems, with multiple applications typically needing to access the backend systems.

How can the organization most effectively avoid creating duplicates in each Mule application of the credentials required to access the backend systems?

- A. Create a Mule domain project that maintains the credentials as Mule domain-shared resources Deploy the Mule applications to the Mule domain, so the credentials are available to the Mule applications
- B. Store the credentials in properties files in a shared folder within the organization's data center Have the Mule applications load properties files from this shared location at startup
- C. Segregate the credentials for each backend system into environment-specific properties files Package these properties files in each Mule application, from where they are loaded at startup
- D. Configure or create a credentials service that returns the credentials for each backend system, and that is accessible from customer-hosted and MuleSoft-hosted Mule runtimes Have the Mule applications load the properties at startup by invoking that credentials service

**Answer: D**

#### NEW QUESTION 175

An organization plans to migrate its deployment environment from an on-premises cluster to a Runtime Fabric (RTF) cluster. The on-premises Mule applications are currently configured with persistent object stores.

There is a requirement to enable Mule applications deployed to the RTF cluster to store and share data across application replicas and through restarts of the entire RTF cluster,

How can these reliability requirements be met?

- A. Replace persistent object stores with persistent VM queues in each Mule application deployment
- B. Install the Object Store pod on one of the cluster nodes
- C. Configure Anypoint Object Store v2 to share data between replicas in the RTF cluster
- D. Configure the Persistence Gateway in the RTF installation

**Answer: C**

#### NEW QUESTION 180

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. The Recorder supports loops where the structure of the data being tested changes inside the iteration
- B. Mocking values resulting from parallel processes are possible and will not affect the execution of the processors that follow in the test
- C. The Recorder supports mocking a message before or inside a Foreach processor
- D. 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

**Answer: D**

#### NEW QUESTION 182

Customer has deployed mule applications to different customer hosted mule runtimes. Mule applications are managed from Anypoint platform.

What needs to be configured to monitor these Mule applications from Anypoint monitoring and what sends monitoring data to Anypoint monitoring?

- A. Enable monitoring of individual applications from runtime manager application settings Runtime manager agent sends monitoring data from the mule applications to Anypoint monitoring
- B. Install runtime manager agent on each mule runtime Runtime manager agent since monitoring data from the mule applications to Anypoint monitoring
- C. Anypoint monitoring agent on each mule runtime Anypoint monitoring agent sends monitoring data from the mule applications to Anypoint monitoring
- D. By default, Anypoint monitoring agent will be installed on each Mule runtime Anypoint Monitoring agent automatically sends monitoring data from the Mule applications to Anypoint monitoring

**Answer: A**

#### NEW QUESTION 187

A system API EmployeeSAPI is used to fetch employee's data from an underlying SQL database.

The architect must design a caching strategy to query the database only when there is an update to the employees stable or else return a cached response in order to minimize the number of redundant transactions being handled by the database.

What must the architect do to achieve the caching objective?

- A. Use an On Table Row on employees table and call invalidate cache Use an object store caching strategy and expiration interval to empty
- B. Use a Scheduler with a fixed frequency every hour triggering an invalidate cache flow Use an object store caching strategy and expiration interval to empty
- C. Use a Scheduler with a fixed frequency every hour triggering an invalidate cache flow Use an object store caching strategy and set expiration interval to 1-hour
- D. Use an on table rule on employees table call invalidate cache and said new employees data to cache Use an object store caching strategy and set expiration interval to 1-hour

**Answer:** A

#### NEW QUESTION 191

To implement predictive maintenance on its machinery equipment, ACME Tractors has installed thousands of IoT sensors that will send data for each machinery asset as sequences of JMS messages, in near real-time, to a JMS queue named SENSOR\_DATA on a JMS server. The Mule application contains a JMS Listener operation configured to receive incoming messages from the JMS servers SENSOR\_DATA JMS queue. The Mule application persists each received JMS message, then sends a transformed version of the corresponding Mule event to the machinery equipment back-end systems.

The Mule application will be deployed to a multi-node, customer-hosted Mule runtime cluster. Under normal conditions, each JMS message should be processed exactly once.

How should the JMS Listener be configured to maximize performance and concurrent message processing of the JMS queue?

- A. Set numberOfConsumers = 1 Set primaryNodeOnly = false
- B. Set numberOfConsumers = 1 Set primaryNodeOnly = true
- C. Set numberOfConsumers to a value greater than one Set primaryNodeOnly = true
- D. Set numberOfConsumers to a value greater than one Set primaryNodeOnly = false

**Answer:** D

#### NEW QUESTION 194

A stock broking company makes use of CloudHub VPC to deploy Mule applications. Mule application needs to connect to a database application in the customers on-premises corporate data center and also to a Kafka cluster running in AWS VPC.

How is access enabled for the API to connect to the database application and Kafka cluster securely?

- A. Set up a transit gateway to the customers on-premises corporate datacenter to AWS VPC
- B. Setup AnyPoint VPN to the customer's on-premise corporate data center and VPC peering with AWS VPC
- C. Setup VPC peering with AWS VPC and the customers devices corporate data center
- D. Setup VPC peering with the customers onto my service corporate data center and Anypoint VPN to AWS VPC

**Answer:** B

#### NEW QUESTION 198

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 that participates in the local transaction.

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

- A. Execution of each route within the Scatter-Gather occurs sequentiallyAny error that occurs inside the Scatter-Gather will result in a rollback of all the database operations
- B. Execution of all routes within the Scatter-Gather occurs in parallelAny error that occurs inside the Scatter-Gather will result in a rollback of all the database operations
- C. Execution of each route within the Scatter-Gather occurs sequentiallyAny error that occurs inside the Scatter-Gather will NOT result in a rollback of any of the database operations
- D. Execution of each route within the Scatter-Gather occurs in parallelAny error that occurs inside the Scatter-Gather will NOT result in a rollback of any of the database operations

**Answer:** A

#### NEW QUESTION 201

What Anypoint Connectors support transactions?

- A. Database, JMS, VM
- B. Database, 3MS, HTTP
- C. Database, JMS, VM, SFTP
- D. Database, VM, File

**Answer:** A

#### NEW QUESTION 206

An organization has just developed a Mule application that implements a REST API. The mule application will be deployed to a cluster of customer hosted Mule runtimes.

What additional infrastructure component must the customer provide in order to distribute inbound API requests across the Mule runtimes of the cluster?

- A. A message broker
- B. An HTTP Load Balancer
- C. A database
- D. An Object Store

**Answer: B**

**NEW QUESTION 208**

An external REST client periodically sends an array of records in a single POST request to a Mule application API endpoint. The Mule application must validate each record of the request against a JSON schema before sending it to a downstream system in the same order that it was received in the array. Record processing will take place inside a router or scope that calls a child flow. The child flow has its own error handling defined. Any validation or communication failures should not prevent further processing of the remaining records. To best address these requirements what is the most idiomatic(used for it intended purpose) router or scope to used in the parent flow, and what type of error handler should be used in the child flow?

- A. First Successful router in the parent flow On Error Continue error handler in the child flow
- B. For Each scope in the parent flow On Error Continue error handler in the child flow
- C. Parallel For Each scope in the parent flow On Error Propagate error handler in the child flow
- D. Until Successful router in the parent flow On Error Propagate error handler in the child flow

**Answer: B**

**NEW QUESTION 210**

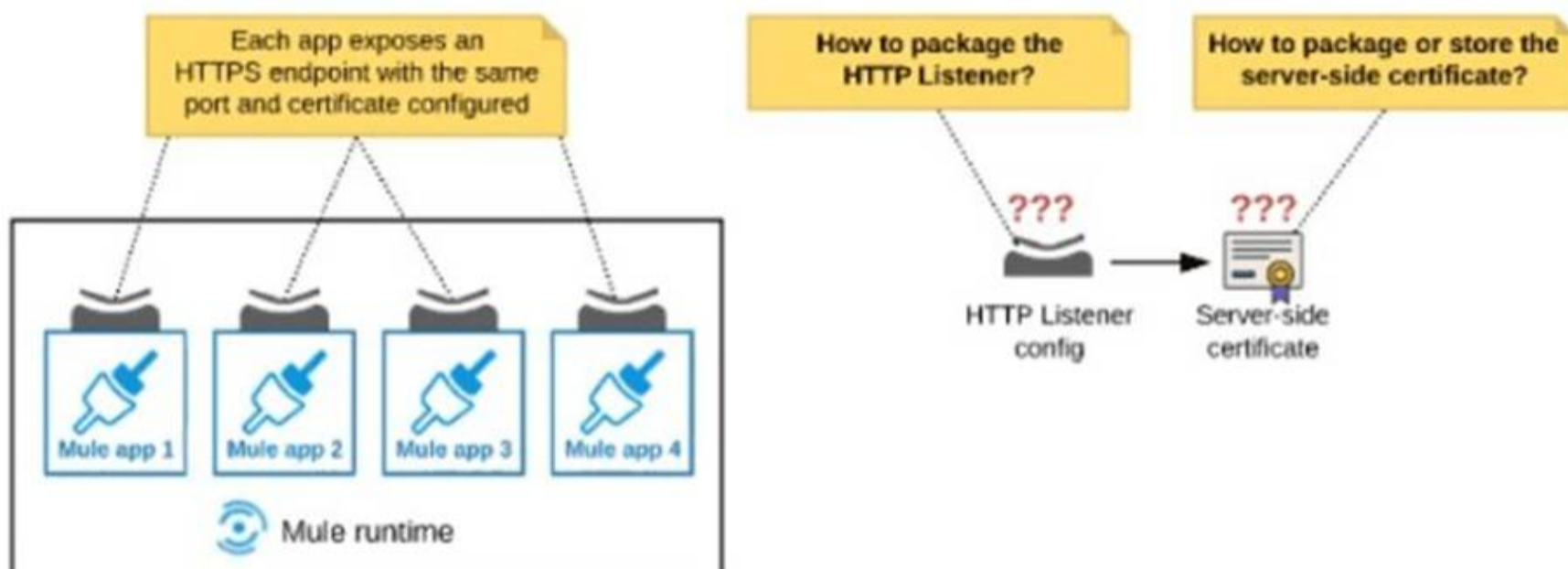
An organization uses one specific CloudHub (AWS) region for all CloudHub deployments. How are CloudHub workers assigned to availability zones (AZs) when the organization's Mule applications are deployed to CloudHub in that region?

- A. Workers belonging to a given environment are assigned to the same AZ within that region.
- B. AZs are selected as part of the Mule application's deployment configuration.
- C. Workers are randomly distributed across available AZs within that region.
- D. An AZ is randomly selected for a Mule application, and all the Mule application's CloudHub workers are assigned to that one AZ

**Answer: C**

**NEW QUESTION 211**

Refer to the exhibit.



An organization deploys multiple Mule applications to the same customer -hosted Mule runtime. Many of these Mule applications must expose an HTTPS endpoint on the same port using a server-side certificate that rotates often. What is the most effective way to package the HTTP Listener and package or store the server-side certificate when deploying these Mule applications, so the disruption caused by certificate rotation is minimized?

- A. Package the HTTPS Listener configuration in a Mule DOMAIN project, referencing it from all Mule applications that need to expose an HTTPS endpoint Package the server- side certificate in ALL Mule APPLICATIONS that need to expose an HTTPS endpoint
- B. Package the HTTPS Listener configuration in a Mule DOMAIN project, referencing it from all Mule applications that need to expose an HTTPS endpoint
- C. Store the server-side certificate in a shared filesystem location in the Mule runtime's classpath, OUTSIDE the Mule DOMAIN or any Mule APPLICATION
- D. Package an HTTPS Listener configuration In all Mule APPLICATIONS that need to expose an HTTPS endpoint Package the server-side certificate in a NEW Mule DOMAIN project
- E. Package the HTTPS Listener configuration in a Mule DOMAIN project, referencing It from all Mule applications that need to expose an HTTPS endpoint
- F. Package the server- side certificate in the SAME Mule DOMAIN project Go to Set

**Answer: B**

**NEW QUESTION 214**

A mule application is deployed to a Single Cloudhub worker and the public URL appears in Runtime Manager as the APP URL. Requests are sent by external web clients over the public internet to the mule application App url. Each of these requests routed to the HTTPS Listener event source of the running Mule application. Later, the DevOps team edits some properties of this running Mule application in Runtime Manager. Immediately after the new property values are applied in runtime manager, how is the current Mule application deployment affected and how will future web client requests to the Mule application be handled?

- A. Cloudhub will redeploy the Mule application to the OLD Cloudhub workerNew web client requests will RETURN AN ERROR until the Mule application is redeployed to the OLD Cloudhub worker
- B. CloudHub will redeploy the Mule application to a NEW Cloudhub workerNew web client requests will RETURN AN ERROR until the NEW Cloudhub worker is

available

C. Cloudhub will redeploy the Mule application to a NEW Cloudhub workerNew web client requests are ROUTED to the OLD Cloudhub worker until the NEW Cloudhub worker is available.

D. Cloudhub will redeploy the mule application to the OLD Cloudhub workerNew web client requests are ROUTED to the OLD Cloudhub worker BOTH before and after the Mule application is redeployed.

**Answer: C**

#### **NEW QUESTION 215**

According to the National Institute of Standards and Technology (NIST), which cloud computing deployment model describes a composition of two or more distinct clouds that support data and application portability?

- A. Private cloud
- B. Hybrid cloud
- C. Public cloud
- D. Community cloud

**Answer: B**

#### **NEW QUESTION 218**

What is maximum vCores can be allocated to application deployed to CloudHub?

- A. 1 vCores
- B. 2 vCores
- C. 4 vCores
- D. 16 vCores

**Answer: D**

#### **NEW QUESTION 219**

A company is using Mulesoft to develop API's and deploy them to Cloudhub and on premises targets. Recently it has decided to enable Runtime Fabric deployment option as well and infrastructure is set up for this option.

What can be used to deploy Runtime Fabric?

- A. AnypointCLI
- B. Anypoint platform REST API's
- C. Directly uploading ajar file from the Runtime manager
- D. Mule maven plug-in

**Answer: A**

#### **NEW QUESTION 224**

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 227**

An insurance company has an existing API which is currently used by customers. API is deployed to customer hosted Mule runtime cluster. The load balancer that is used to access any APIs on the mule cluster is only configured to point to applications hosted on the server at port 443.

Mule application team of a company attempted to deploy a second API using port 443 but the application will not start and checking logs shows an error indicating the address is already in use.

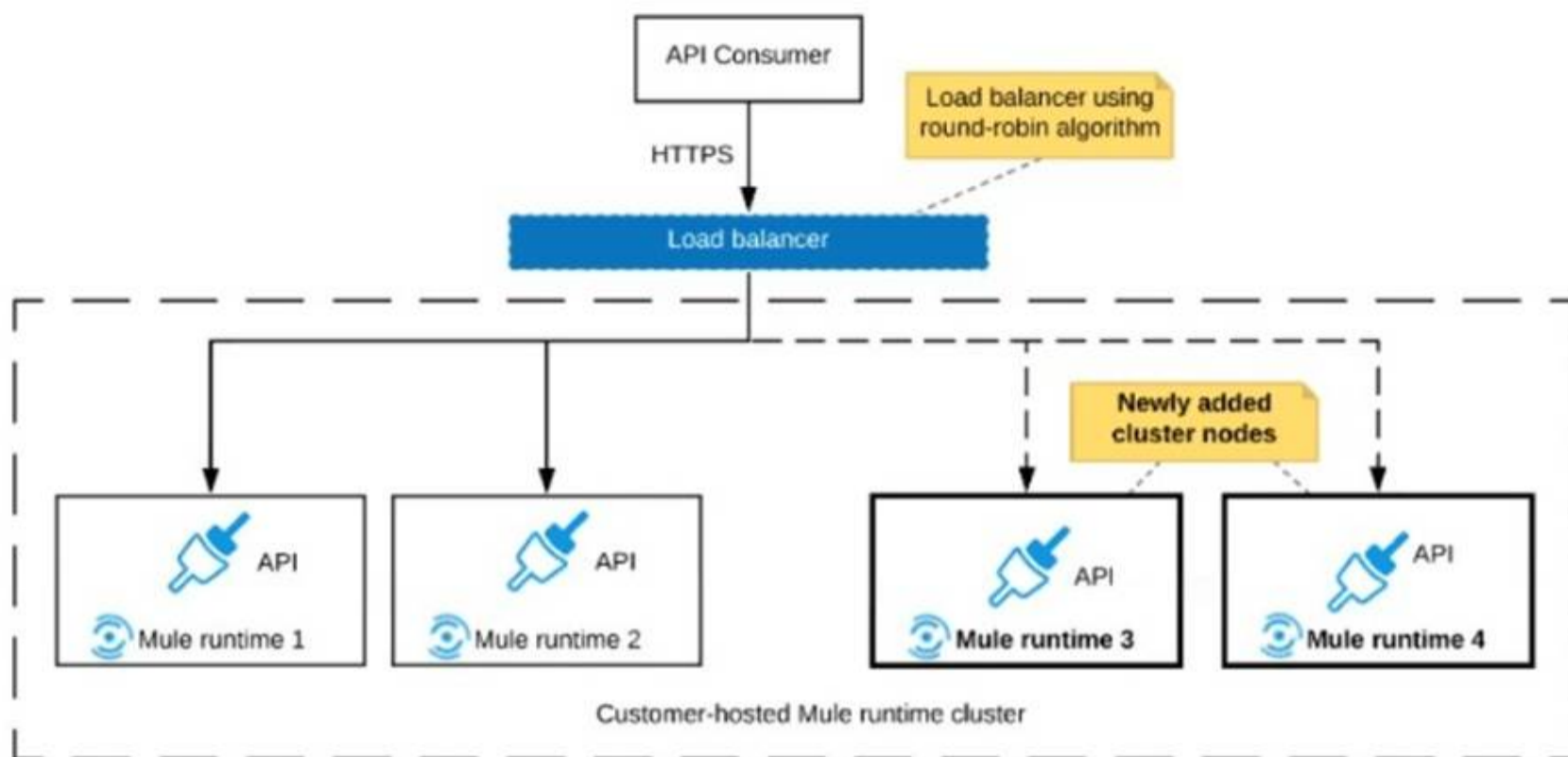
Which steps must the organization take to resolve this error and allow customers to access both the API's?

- A. Change the base path of the HTTP listener configuration in the second API to a different one from the first API
- B. Set HTTP listener configuration in both API's to allow for connections from multiple ports
- C. Move the HTTP listener configurations from the API's and package them in a mule domain project using port 443
- D. Set the HTTP listener of the second API to use different port than the one used in the first API

**Answer: C**

#### **NEW QUESTION 232**

Refer to the exhibit.



An organization uses a 2-node Mule runtime cluster to host one stateless API implementation. The API is accessed over HTTPS through a load balancer that uses round-robin for load distribution.

Two additional nodes have been added to the cluster and the load balancer has been configured to recognize the new nodes with no other change to the load balancer.

What average performance change is guaranteed to happen, assuming all cluster nodes are fully operational?

- A. 50% reduction in the response time of the API
- B. 100% increase in the throughput of the API
- C. 50% reduction in the JVM heap memory consumed by each node
- D. 50% reduction in the number of requests being received by each node

**Answer: D**

**NEW QUESTION 234**

The AnyAirline organization's passenger reservations center is designing an integration solution that combines invocations of three different System APIs (bookFlight, bookHotel, and bookCar) in a business transaction. Each System API makes calls to a single database.

The entire business transaction must be rolled back when at least one of the APIs fails. What is the most idiomatic (used for its intended purpose) way to integrate these APIs in

near real-time that provides the best balance of consistency, performance, and reliability?

- A. Implement eXtended Architecture (XA) transactions between the API implementations Coordinate between the API implementations using a Saga patternImplement caching in each API implementation to improve performance
- B. Implement local transactions within each API implementationConfigure each API implementation to also participate in the same eXtended Architecture (XA) transactionImplement caching in each API implementation to improve performance
- C. Implement local transactions in each API implementation Coordinate between the API implementations using a Saga patternApply various compensating actions depending on where a failure occurs
- D. Implement an eXtended Architecture (XA) transaction manager in a Mule application using a Saga patternConnect each API implementation with the Mule application using XA transactionsApply various compensating actions depending on where a failure occurs

**Answer: C**

**NEW QUESTION 238**

An automation engineer needs to write scripts to automate the steps of the API lifecycle, including steps to create, publish, deploy and manage APIs and their implementations in Anypoint Platform.

What Anypoint Platform feature can be used to automate the execution of all these actions in scripts in the easiest way without needing to directly invoke the Anypoint Platform REST APIs?

- A. Automated Policies in API Manager
- B. Runtime Manager agent
- C. The Mule Maven Plugin
- D. Anypoint CLI

**Answer: D**

**NEW QUESTION 241**

An integration Mule application is being designed to process orders by submitting them to a backend system for offline processing. Each order will be received by the Mule application through an HTTPS POST and must be acknowledged immediately. Once acknowledged, the order will be submitted to a backend system.

Orders that cannot be successfully submitted due to rejections from the backend system will need to be processed manually (outside the backend system).

The Mule application will be deployed to a customer-hosted runtime and is able to use an existing ActiveMQ broker if needed.

The backend system has a track record of unreliability both due to minor network connectivity issues and longer outages.

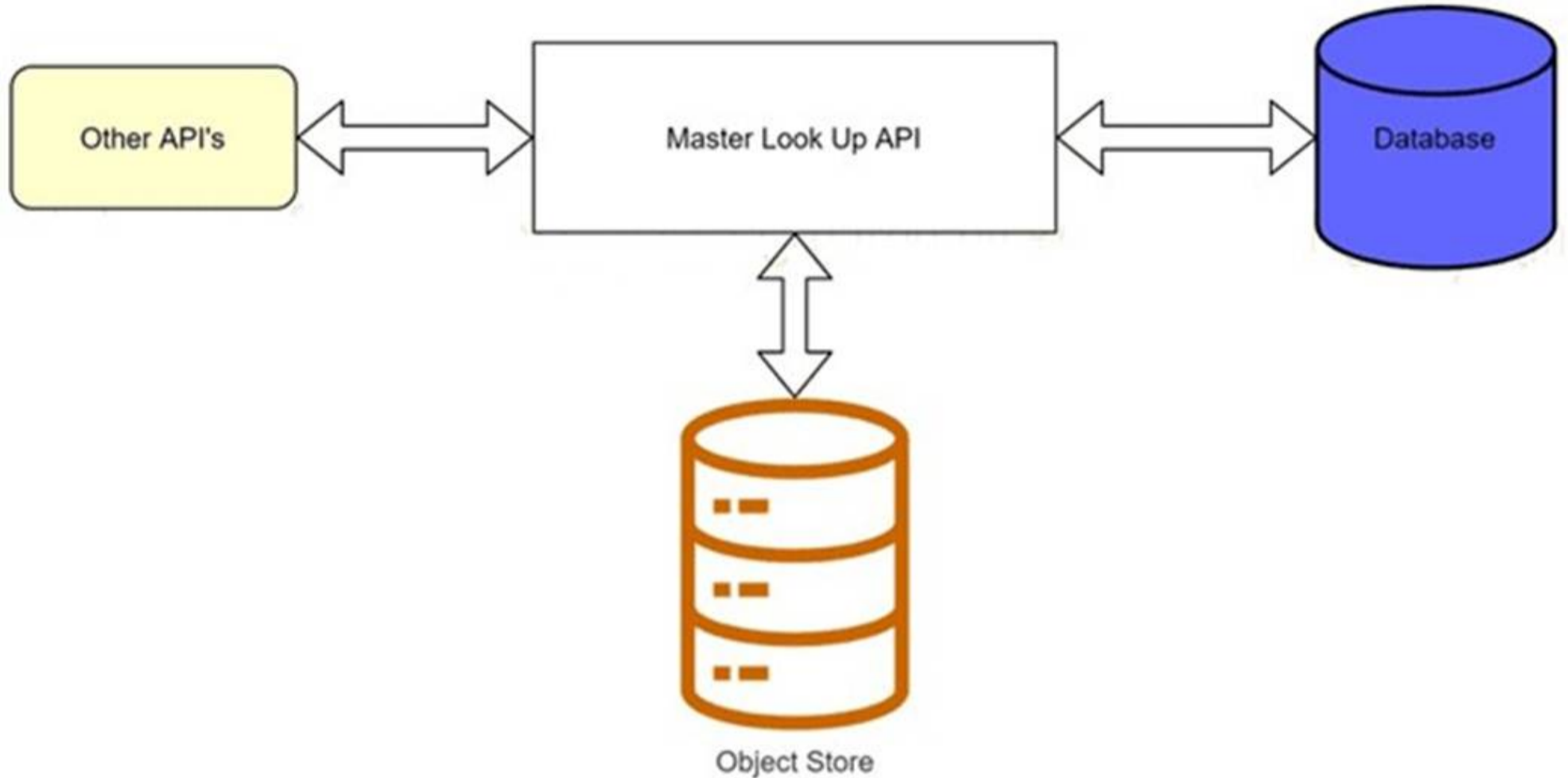
What idiomatic (used for their intended purposes) combination of Mule application components and ActiveMQ queues are required to ensure automatic submission of orders to the backend system, while minimizing manual order processing?

- A. An On Error scope Non-persistent VM ActiveMQ Dead Letter Queue for manual processing
- B. An On Error scope MuleSoft Object Store ActiveMQ Dead Letter Queue for manual processing
- C. Until Successful component MuleSoft Object Store ActiveMQ is NOT needed or used
- D. Until Successful component ActiveMQ long retry Queue ActiveMQ Dead Letter Queue for manual processing

**Answer:** D

**NEW QUESTION 242**

A banking company is developing a new set of APIs for its online business. One of the critical API's is a master lookup API which is a system API. This master lookup API uses persistent object store. This API will be used by all other APIs to provide master lookup data.



Master lookup API is deployed on two cloudhub workers of 0.1 vCore each because there is a lot of master data to be cached. Master lookup data is stored as a key value pair. The cache gets refreshed if they key is not found in the cache.

Doing performance testing it was observed that the Master lookup API has a higher response time due to database queries execution to fetch the master lookup data.

Due to this performance issue, go-live of the online business is on hold which could cause potential financial loss to Bank.

As an integration architect, which of the below option you would suggest to resolve performance issue?

- A. Implement HTTP caching policy for all GET endpoints for the master lookup API and implement locking to synchronize access to object store
- B. Upgrade vCore size from 0.1 vCore to 0,2 vCore
- C. Implement HTTP caching policy for all GET endpoints for master lookup API
- D. Add an additional Cloudhub worker to provide additional capacity

**Answer:** A

**NEW QUESTION 243**

An application load balancer routes requests to a RESTful web API secured by Anypoint Flex Gateway. Which protocol is involved in the communication between the load balancer and the Gateway?

- A. SFTP
- B. HTTPS
- C. LDAP
- D. SMTP

**Answer:** B

**NEW QUESTION 244**

An organization designing a hybrid, load balanced, single cluster production environment. Due to performance service level agreement goals, it is looking into running the Mule applications in an active-active multi node cluster configuration.

What should be considered when running its Mule applications in this type of environment?

- A. All event sources, regardless of time , can be configured as the target source by the primary node in the cluster
- B. An external load balancer is required to distribute incoming requests throughout the cluster nodes
- C. A Mule application deployed to multiple nodes runs in an isolation from the other nodes in the cluster
- D. Although the cluster environment is fully installed configured and running, it will not process any requests until an outage condition is detected by the primary node in the cluster.

**Answer:** B

**NEW QUESTION 249**

A developer is examining the responses from a RESTful web service that is compliant with the Hypertext Transfer Protocol (HTTP/1.1) as defined by the Internet

Engineering Task Force (IETF).

In this HTTP/1.1-compliant web service, which class of HTTP response status codes should be specified to indicate when client requests are successfully received, understood, and accepted by the web service?

- A. 3xx
- B. 2xx
- C. 4xx
- D. 5xx

**Answer: B**

#### NEW QUESTION 253

An organization uses a four(4) node customer hosted Mule runtime cluster to host one(1) stateless api implementation. The API is accessed over HTTPS through a load balancer that uses round-robin for load distribution. Each node in the cluster has been sized to be able to accept four(4) times the current number of requests.

Two(2) nodes in the cluster experience a power outage and are no longer available. The load balancer directs the outage and blocks the two unavailable the nodes from receiving further HTTP requests.

What performance-related consequence is guaranteed to happen to average, assuming the remaining cluster nodes are fully operational?

- A. 100% increase in the average response time of the API
- B. 50% reduction in the throughput of the API
- C. 100% increase in the number of requests received by each remaining node
- D. 50% increase in the JVM heap memory consumed by each remaining node

**Answer: A**

#### NEW QUESTION 258

An organization is using Mulesoft cloudhub and develops API's in the latest version. As a part of requirements for one of the API's, third party API needs to be called. The security team has made it clear that calling any external API needs to have include listing

As an integration architect please suggest the best way to accomplish the design plan to support these requirements?

- A. Implement includelist IP on the cloudhub VPC firewall to allow the traffic
- B. Implement the validation of includelisted IP operation
- C. Implement the Any point filter processor to implement the include list IP
- D. Implement a proxy for the third party API and enforce the IPinclude list policy and call this proxy from the flow of the API

**Answer: D**

#### NEW QUESTION 263

A key CI/CD capability of any enterprise solution is a testing framework to write and run repeatable tests.

Which component of Anypoint Platform provides the te6t automation capabilities for customers to use in their pipelines?

- A. Anypoint CLI
- B. Mule Maven Plugin
- C. Exchange Mocking Service
- D. MUnit

**Answer: D**

#### NEW QUESTION 266

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: AD**

#### NEW QUESTION 268

An organization has implemented a continuous integration (CI) lifecycle that promotes Mule applications through code, build, and test stages. To standardize the organization's CI journey, a new dependency control approach is being designed to store artifacts that include information such as dependencies, versioning, and build promotions.

To implement these process improvements, the organization will now require developers to maintain all dependencies related to Mule application code in a shared location.

What is the most idiomatic (used for its intended purpose) type of system the organization should use in a shared location to standardize all dependencies related to Mule application code?

- A. A MuleSoft-managed repository at repository.mulesoft.org
- B. A binary artifact repository
- C. API Community Manager
- D. The Anypoint Object Store service at cloudhub.io

**Answer: C**

**NEW QUESTION 269**

What is required before an API implemented using the components of Anypoint Platform can be managed and governed (by applying API policies) on Anypoint Platform?

- A. The API must be published to Anypoint Exchange and a corresponding API instance ID must be obtained from API Manager to be used in the API implementation
- B. The API implementation source code must be committed to a source control management system (such as GitHub)
- C. A RAML definition of the API must be created in API designer so it can then be published to Anypoint Exchange
- D. The API must be shared with the potential developers through an API portal so API consumers can interact with the API

**Answer: A**

**NEW QUESTION 273**

An organization is designing Mule application which connects to a legacy backend. It has been reported that backend services are not highly available and experience downtime quite often. As an integration architect which of the below approach you would propose to achieve high reliability goals?

- A. Alerts can be configured in Mule runtime so that backend team can be communicated when services are down
- B. Until Successful scope can be implemented while calling backend API's
- C. On Error Continue scope to be used to call in case of error again
- D. Create a batch job with all requests being sent to backend using that job as per the availability of backend API's

**Answer: B**

**NEW QUESTION 275**

An organization is sizing an Anypoint VPC to extend their internal network to Cloudhub.

For this sizing calculation, the organization assumes 150 Mule applications will be deployed among three(3) production environments and will use Cloudhub's default zero-downtime feature. Each Mule application is expected to be configured with two(2) Cloudhub workers. This is expected to result in several Mule application deployments per hour.

- A. 10.0.0.0/21(2048 IPs)
- B. 10.0.0.0/22(1024IPs)
- C. 10.0.0.0/23(512 IPs)
- D. 10.0.0.0/24(256 IPs)

**Answer: A**

**NEW QUESTION 280**

A REST API is being designed to implement a Mule application.

What standard interface definition language can be used to define REST APIs?

- A. Web Service Definition Language(WSDL)
- B. OpenAPI Specification (OAS)
- C. YAML
- D. AsyncAPI Specification

**Answer: B**

**NEW QUESTION 282**

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 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
- 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 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

**Answer: B**

**NEW QUESTION 287**

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