

Exam Questions MCI A-Level-1

MuleSoft Certified Integration Architect - Level 1

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NEW QUESTION 1

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 serverside 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 Muleapplications 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 Muleapplications that need to expose an HTTPS endpointStore the server-side certificate in a shared filesystem location in the Mule runtime's classpath,OUTSIDE the Mule DOMAIN or any Mule APPLICATION
- C. Package an HTTPS Listener configuration In all Mule APPLICATIONS that need to expose an HTTPSendpoint Package the server-side certificate in a NEW Mule DOMAIN project
- D. Package the HTTPS Listener configuration in a Mule DOMAIN project, referencing It from all Muleapplications that need to expose an HTTPS endpoint Package the server-side certificate in the SAME Mule DOMAIN project Go to Set

Answer: B

NEW QUESTION 2

Refer to the exhibit.

An organization uses a 2-node Mute 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 3

Refer to the exhibit.

A Mule application is deployed to a multi-node Mule runtime cluster. The Mule application uses the competing consumer pattern among its cluster replicas to receive JMS messages from a JMS queue. To process each received JMS message, the following steps are performed in a flow:

Step 1: The JMS Correlation ID header is read from the received JMS message.

Step 2: The Mule application invokes an idempotent SOAP webservice over HTTPS, passing the JMS Correlation ID as one parameter in the SOAP request.

Step 3: The response from the SOAP webservice also returns the same JMS Correlation ID.

Step 4: The JMS Correlation ID received from the SOAP webservice is validated to be identical to the JMS Correlation ID received in Step 1.

Step 5: The Mule application creates a response JMS message, setting the JMS Correlation ID message header to the validated JMS Correlation ID and publishes that message to a response JMS queue.

Where should the Mule application store the JMS Correlation ID values received in Step 1 and Step 3 so that the validation in Step 4 can be performed, while also making the overall Mule application highly available, fault-tolerant, performant, and maintainable?

- A. Both Correlation ID values should be stored in a persistent object store
- B. Both Correlation ID values should be stored In a non-persistent object store
- C. The Correlation ID value in Step 1 should be stored in a persistent object storeThe Correlation ID value in step 3 should be stored as a Mule event variable/attribute
- D. Both Correlation ID values should be stored as Mule event variables/attributes

Answer: C

NEW QUESTION 4

Refer to the exhibit.

A Mule application has an HTTP Listener that accepts HTTP DELETE requests. This Mule application is deployed to three CloudHub workers under the control of the CloudHub Shared Load Balancer.

A web client makes a sequence of requests to the Mule application's public URL.

How is this sequence of web client requests distributed among the HTTP Listeners running in the three CloudHub workers?

- A. Each request is routed to the PRIMARY CloudHub worker in the PRIMARY Availability Zone (AZ)
- B. Each request is routed to ONE ARBITRARY CloudHub worker in the PRIMARY Availability Zone (AZ)
- C. Each request is routed to ONE ARBITRARY CloudHub worker out of ALL three CloudHub workers
- D. Each request is routed (scattered) to ALL three CloudHub workers at the same time

Answer: C

NEW QUESTION 5

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/partners/v1>. The API implementation is estimated to require deployment to 5 CloudHub workers.

The retailer has obtained a public X.509 certificate for the name api.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 6

When using Anypoint Platform across various lines of business with their own Anypoint Platform business groups, what configuration of Anypoint Platform is always performed at the organization level as opposed to at the business group level?

- A. Identity management setup
- B. Environment setup
- C. Role and permission setup
- D. Dedicated Load Balancer setup

Answer: C

NEW QUESTION 7

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

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

Answer: D

NEW QUESTION 8

Additional nodes are being added to an existing customer-hosted Mule runtime cluster to improve performance. Mule applications deployed to this cluster are invoked by API clients through a load balancer.

What is also required to carry out this change?

- A. A new load balancer must be provisioned to allow traffic to the new nodes in a round-robin fashion
- B. External monitoring tools or log aggregators must be configured to recognize the new nodes
- C. API implementations using an object store must be adjusted to recognize the new nodes and persist to them
- D. New firewall rules must be configured to accommodate communication between API clients and the new nodes

Answer: C

NEW QUESTION 9

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

- A. 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
- D. Compile, package, unit test, deploy, create associated API instances in API Manager

Answer: C

NEW QUESTION 10

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 10

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 exchangeOrderFulfilled messages are sent to an Anypoint MQ queueBoth 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 queueOrderFulfilled messages are sent to a JMS topicBoth microservices interact with the same JMS provider (message broker) instance, which must therefore scale to support the load of both microservices
- C. Order messages are sent directly to the Fulfillment microservicesOrderFulfilled messages are sent directly to the Order microserviceThe 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
- D. Order messages are sent to a JMS queueOrderFulfilled messages are sent to a JMS topicThe 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: D

NEW QUESTION 13

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 16

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