

MCIA-LEVEL-1-MAINTENANCE^{Q&As}

MuleSoft Certified Integration Architect - Level 1 MAINTENANCE

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QUESTION 1

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 table 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

Correct Answer: A

QUESTION 2

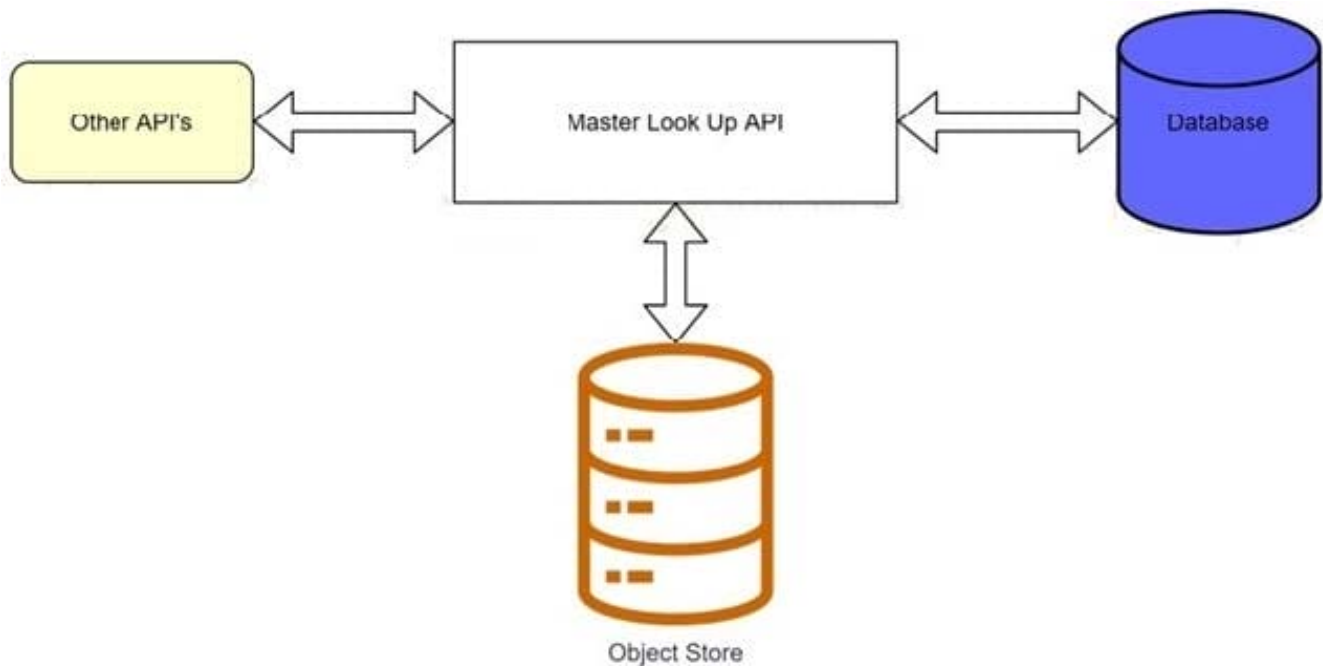
An organization is building a test suite for their applications using m-unit. The integration architect has recommended using test recorder in studio to record the processing flows and then configure unit tests based on the capture events What are the two considerations that must be kept in mind while using test recorder? (Choose two answers)

- A. Tests for flows cannot be created with Mule errors raised inside the flow or already existing in the incoming event
- B. Recorder supports smoking a message before or inside a ForEach processor
- C. The recorder support loops where the structure of the data been tested changes inside the iteration
- D. A recorded flow execution ends successfully but the result does not reach its destination because the application is killed
- E. Mocking values resulting from parallel processes are possible and will not affect the execution of the processes that follow in the test

Correct Answer: AD

QUESTION 3

A banking company is developing a new set of APIs for its online business. One of the critical APIs 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

Correct Answer: A

QUESTION 4

A company is using Mulesoft to develop APIs 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

Correct Answer: D

QUESTION 5

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

Correct Answer: C

Correct answer is Workers are randomly distributed across available AZs within that region. This ensure high availability for deployed mule applications Mulesoft documentation reference : <https://docs.mulesoft.com/runtime-manager/cloudhub-hadr>

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