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QUESTION 1

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

Correct Answer: B

QUESTION 2

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

Correct Answer: D

Explanation:

Correct answer is Batch-triggered ETL Within a Mule application, batch processing provides a construct for asynchronously processing larger-than-memory data sets that are split into individual records. Batch jobs allow for the description of a

reliable process that automatically splits up source data and stores it into persistent queues, which makes it possible to process large data sets while providing reliability. In the event that the application is redeployed or Mule crashes, the job

execution is able to resume at the point it stopped.



QUESTION 3

An organization needs to procure an enterprise software system to increase cross-selling opportunities and better track prospect data.

Which category of enterprise software has these core capabilities, when used for its typical and intended purpose?

- A. Supply Chain Management (SCM)
- B. IT Service Management (ITSM)
- C. Business-to-Business (B2B)
- D. Customer Relationship Management (CRM)

Correct Answer: D

QUESTION 4

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

In this use case, what combination of Mule components provides the most effective and performant way to write these records to the database?

- A. Use a Parallel for Each scope to insert records one by one into the database
- B. Use a Scatter-Gather to bulk insert records into the database
- C. Use a Batch job scope to bulk insert records into the database.
- D. Use a DataWeave map operation and an Async scope to insert records one by one into the database.

Correct Answer: C

Explanation:

Correct answer is Use a Batch job scope to bulk insert records into the database

* Batch Job is the most efficient way to manage millions of records.

A few points to note here are as follows :

Reliability: If you want reliability while processing the records, i.e. should the processing survive a runtime crash or other unhappy scenarios, and when restarted process all the remaining records, if yes then go for batch as it uses persistent

queues. **Error Handling:** In Parallel for each an error in a particular route will stop processing the remaining records in that route and in such case you'd need to handle it using on error continue, batch process does not stop during such error

instead you can have a step for failures and have a dedicated handling in it.

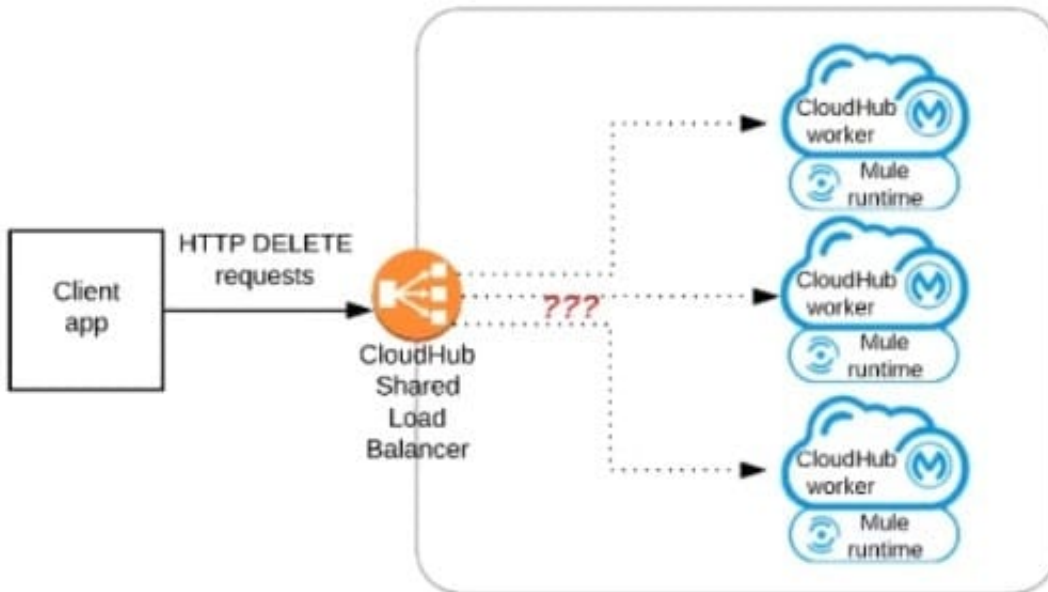
Memory footprint: Since the question said that there are millions of records to process, parallel for each will aggregate all the processed records at the end and can possibly cause Out Of Memory.



Batch job instead provides a BatchResult in the on complete phase where you can get the count of failures and success. For huge file processing if order is not a concern definitely go ahead with Batch Job

QUESTION 5

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

Correct Answer: C

Explanation:

Correct behavior is Each request is routed to ONE ARBITRARY CloudHub worker out of ALL three CloudHub workers