



MCPA-LEVEL1^{Q&As}

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QUESTION 1

What is the most performant out-of-the-box solution in Anypoint Platform to track transaction state in an asynchronously executing long-running process implemented as a Mule application deployed to multiple CloudHub workers?

- A. Redis distributed cache
- B. `java.util.WeakHashMap`
- C. Persistent Object Store
- D. File-based storage

Correct Answer: C

Persistent Object Store *****

>> Redis distributed cache is performant but NOT out-of-the-box solution in Anypoint Platform

>> File-storage is neither performant nor out-of-the-box solution in Anypoint Platform >> `java.util.WeakHashMap` needs a completely custom implementation of cache from scratch using Java code and is limited to the JVM where it is running.

Which means the state in the cache is not worker aware when running on multiple workers. This type of cache is local to the worker. So, this is neither out-of-the-box nor worker-aware among multiple workers on cloudhub. <https://>

www.baeldung.com/java-weakhashmap >> Persistent Object Store is an out-of-the-box solution provided by Anypoint Platform which is performant as well as worker aware among multiple workers running on CloudHub. <https://>

docs.mulesoft.com/object-store/

So, Persistent Object Store is the right answer.

QUESTION 2

What Anypoint Platform Capabilities listed below fall under APIs and API Invocations/Consumers category? Select TWO.

- A. API Operations and Management
- B. API Runtime Execution and Hosting
- C. API Consumer Engagement
- D. API Design and Development

Correct Answer: D

API Design and Development and API Runtime Execution and Hosting *****

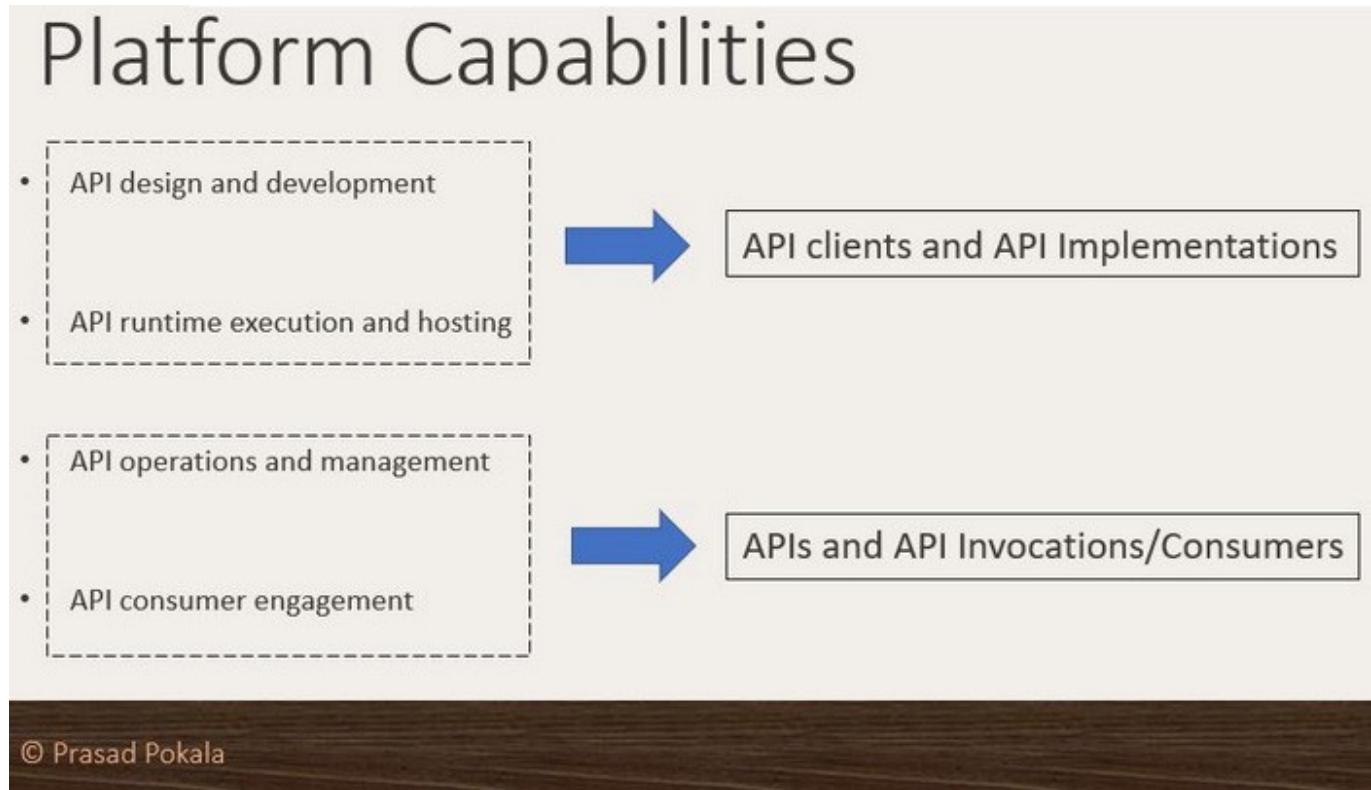
>> API Design and Development - Anypoint Studio, Anypoint Design Center, Anypoint Connectors

>> API Runtime Execution and Hosting - Mule Runtimes, CloudHub, Runtime Services >> API Operations and



Management - Anypoint API Manager, Anypoint Exchange >> API Consumer Management - API Contracts, Public Portals,

Anypoint Exchange, API



Notebooks API Operations and Management and API Consumer Engagement ***** >>
API Design and Development - Anypoint Studio, Anypoint Design Center, Anypoint Connectors >> API Runtime Execution and Hosting - Mule Runtimes, CloudHub, Runtime Services >> API Operations and Management - Anypoint API Manager, Anypoint Exchange >> API Consumer Management - API Contracts, Public Portals, Anypoint Exchange, API Notebooks

QUESTION 3

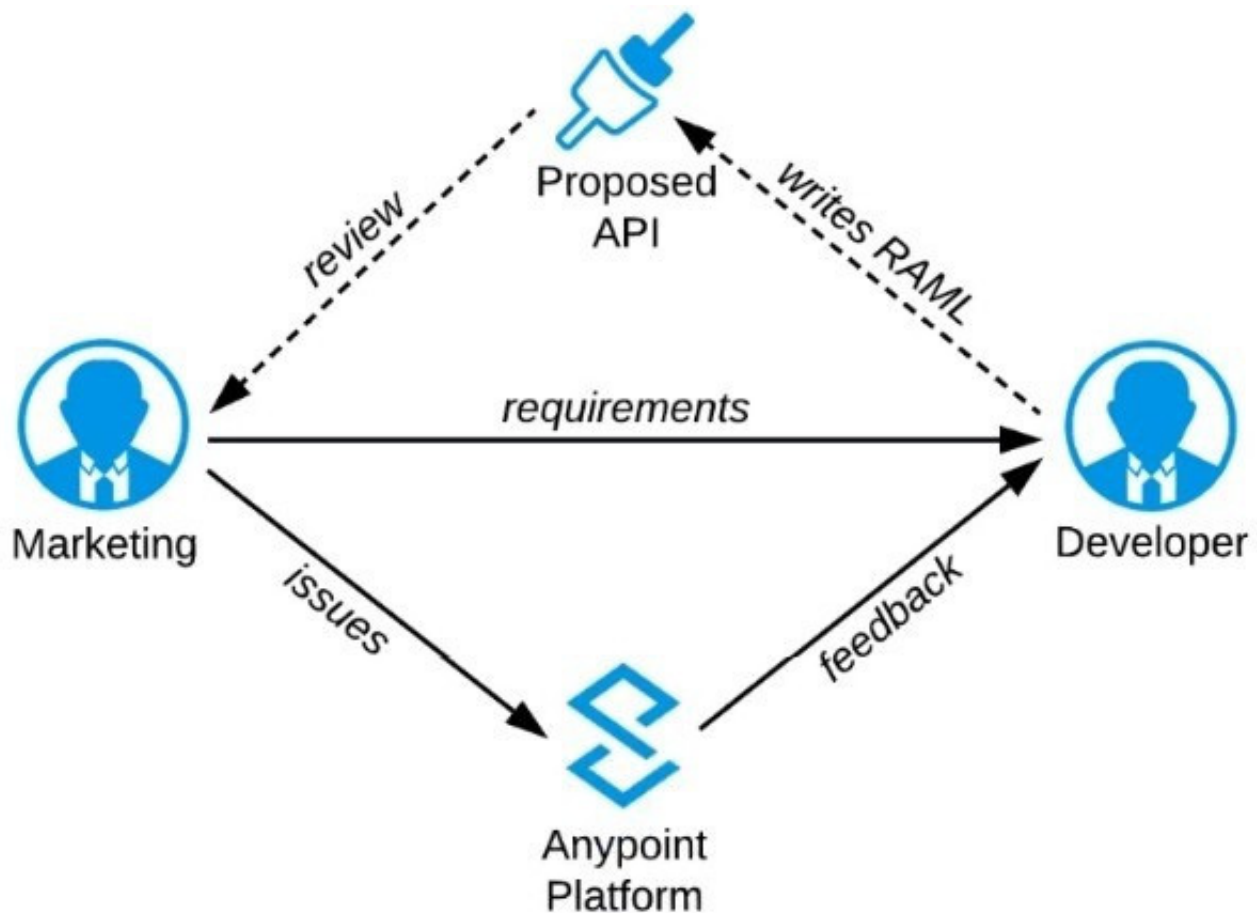
An API has been updated in Anypoint exchange by its API producer from version 3.1.1 to 3.2.0 following accepted semantic versioning practices and the changes have been communicated via the APIs public portal. The API endpoint does NOT change in the new version. How should the developer of an API client respond to this change?

- A. The API producer should be requested to run the old version in parallel with the new one
- B. The API producer should be contacted to understand the change to existing functionality
- C. The API client code only needs to be changed if it needs to take advantage of the new features
- D. The API clients need to update the code on their side and need to do full regression

Correct Answer: C

**QUESTION 4**

Refer to the exhibit.



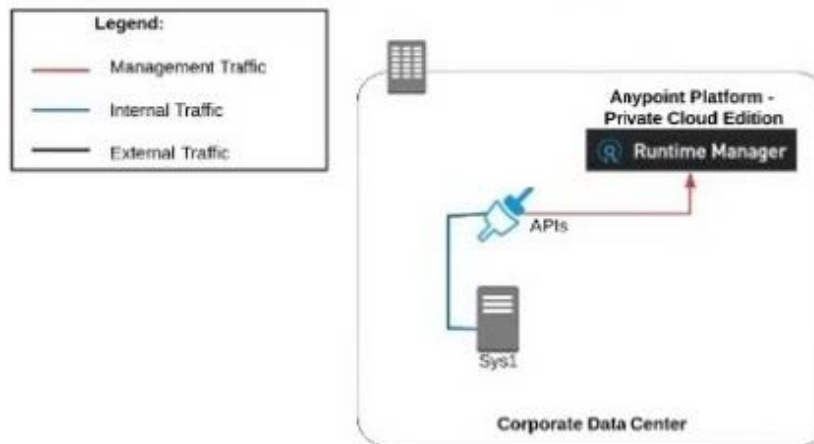
A RAML definition has been proposed for a new Promotions Process API, and has been published to Anypoint Exchange.

The Marketing Department, who will be an important consumer of the Promotions API, has important requirements and expectations that must be met.

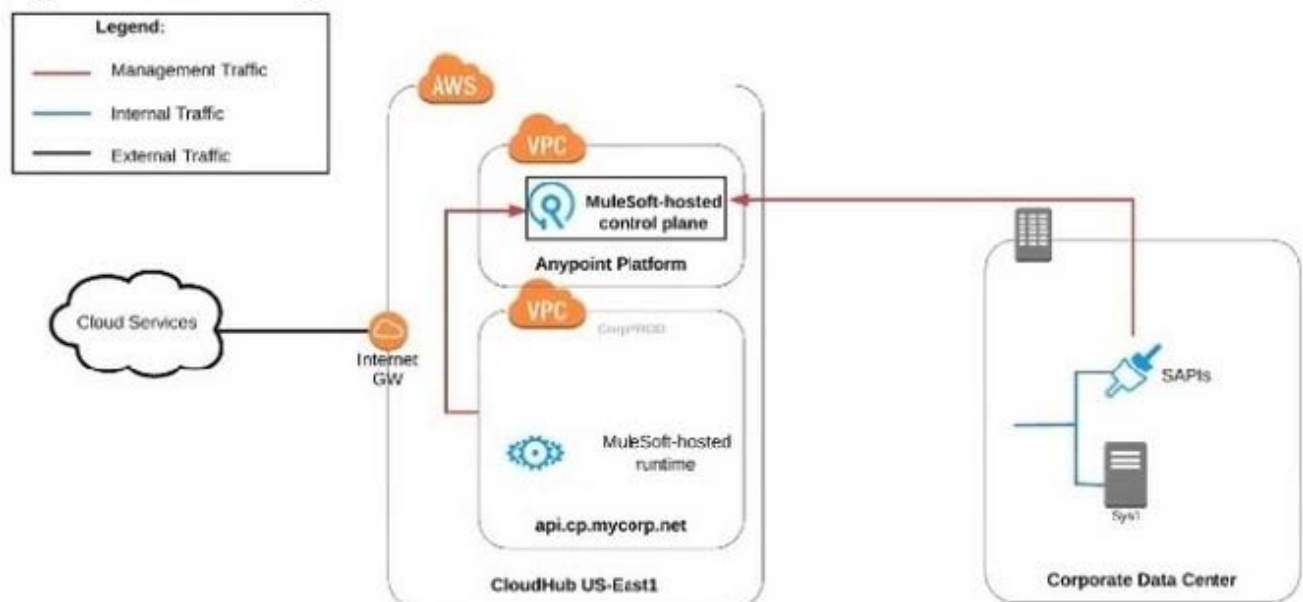
What is the most effective way to use Anypoint Platform features to involve the Marketing Department in this early API design phase?



- C. Use an on-premises installation of Mule runtimes that are completely isolated with NO external network access, managed by the Anypoint Platform Private Cloud Edition control plane

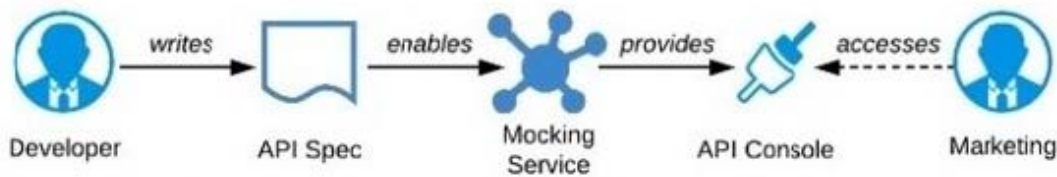


- D. Use a combination of Cloud Hub-deployed and manually provisioned on-premises Mule runtimes managed by the MuleSoft-hosted Anypoint Platform control plane

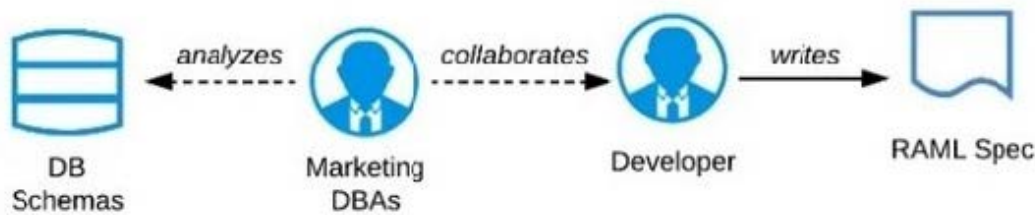




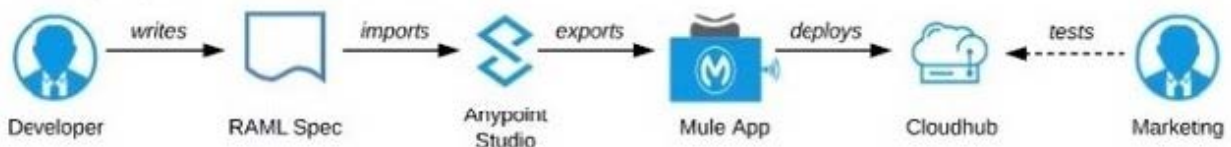
- A. Ask the Marketing Department to interact with a mocking implementation of the API using the automatically generated API Console



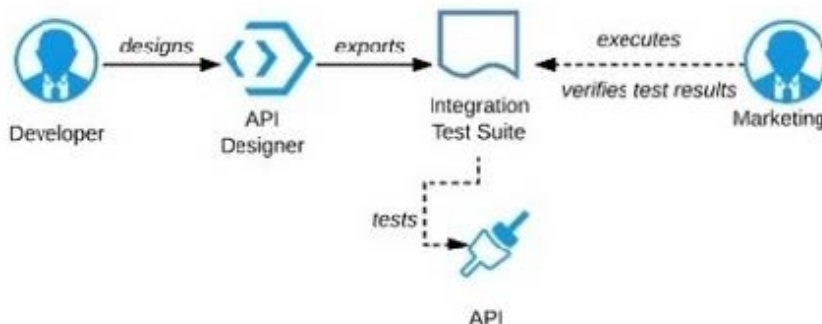
- B. Organize a design workshop with the DBAs of the Marketing Department in which the database schema of the Marketing IT systems is translated into RAML



- C. Use Anypoint Studio to implement the API as a Mule application, then deploy that API implementation to CloudHub and ask the Marketing Department to interact with it



- D. Export an integration test suite from API designer and have the Marketing Department execute the tests in that suite to ensure they pass



A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

Ask the Marketing Department to interact with a mocking implementation of the API using the automatically generated API Console.



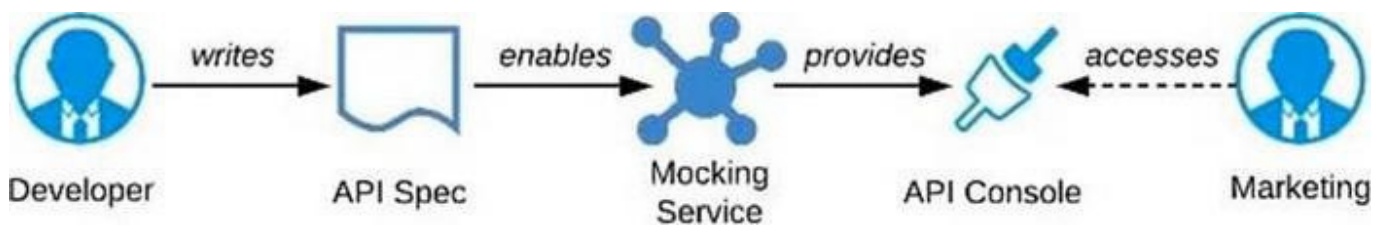
As per MuleSoft's IT Operating Model:

>> API consumers need NOT wait until the full API implementation is ready. >> NO technical test-suites needs to be shared with end users to interact with APIs. >> Anypoint Platform offers a mocking capability on all the published API

specifications to Anypoint Exchange which also will be rich in documentation covering all details of API functionalities and working nature.

>> No needs of arranging days of workshops with end users for feedback.

API consumers can use Anypoint Exchange features on the platform and interact with the API using its mocking feature. The feedback can be shared quickly on the same to incorporate any changes.



QUESTION 5

What condition requires using a CloudHub Dedicated Load Balancer?

- A. When cross-region load balancing is required between separate deployments of the same Mule application
- B. When custom DNS names are required for API implementations deployed to customer- hosted Mule runtimes
- C. When API invocations across multiple CloudHub workers must be load balanced
- D. When server-side load-balanced TLS mutual authentication is required between API implementations and API clients

Correct Answer: D

When server-side load-balanced TLS mutual authentication is required between API implementations and API clients

Fact/ Memory Tip: Although there are many benefits of CloudHub Dedicated Load balancer, TWO important things that should come to ones mind for considering it are:

>> Having URL endpoints with Custom DNS names on CloudHub deployed apps >> Configuring custom certificates for both HTTPS and Two-way (Mutual) authentication.

Coming to the options provided for this question:

>> We CANNOT use DLB to perform cross-region load balancing between separate deployments of the same Mule application.

>> We can have mapping rules to have more than one DLB URL pointing to same Mule app. But vicevera (More than one Mule app having same DLB URL) is NOT POSSIBLE >> It is true that DLB helps to setup custom DNS names for



Cloudhub deployed Mule apps but NOT true for apps deployed to Customer-hosted Mule Runtimes. >> It is true to that we can load balance API invocations across multiple CloudHub workers using DLB but it is NOT A MUST. We can

achieve the same (load balancing) using SLB (Shared Load Balancer) too. We DO NOT necessarily require DLB for achieve it. So the only right option that fits the scenario and requires us to use DLB is when TLS mutual authentication is

required between API implementations and API clients. Reference: <https://docs.mulesoft.com/runtime-manager/cloudhub-dedicated-load-balancer>

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