



# MCPA-LEVEL1<sup>Q&As</sup>

MuleSoft Certified Platform Architect - Level 1

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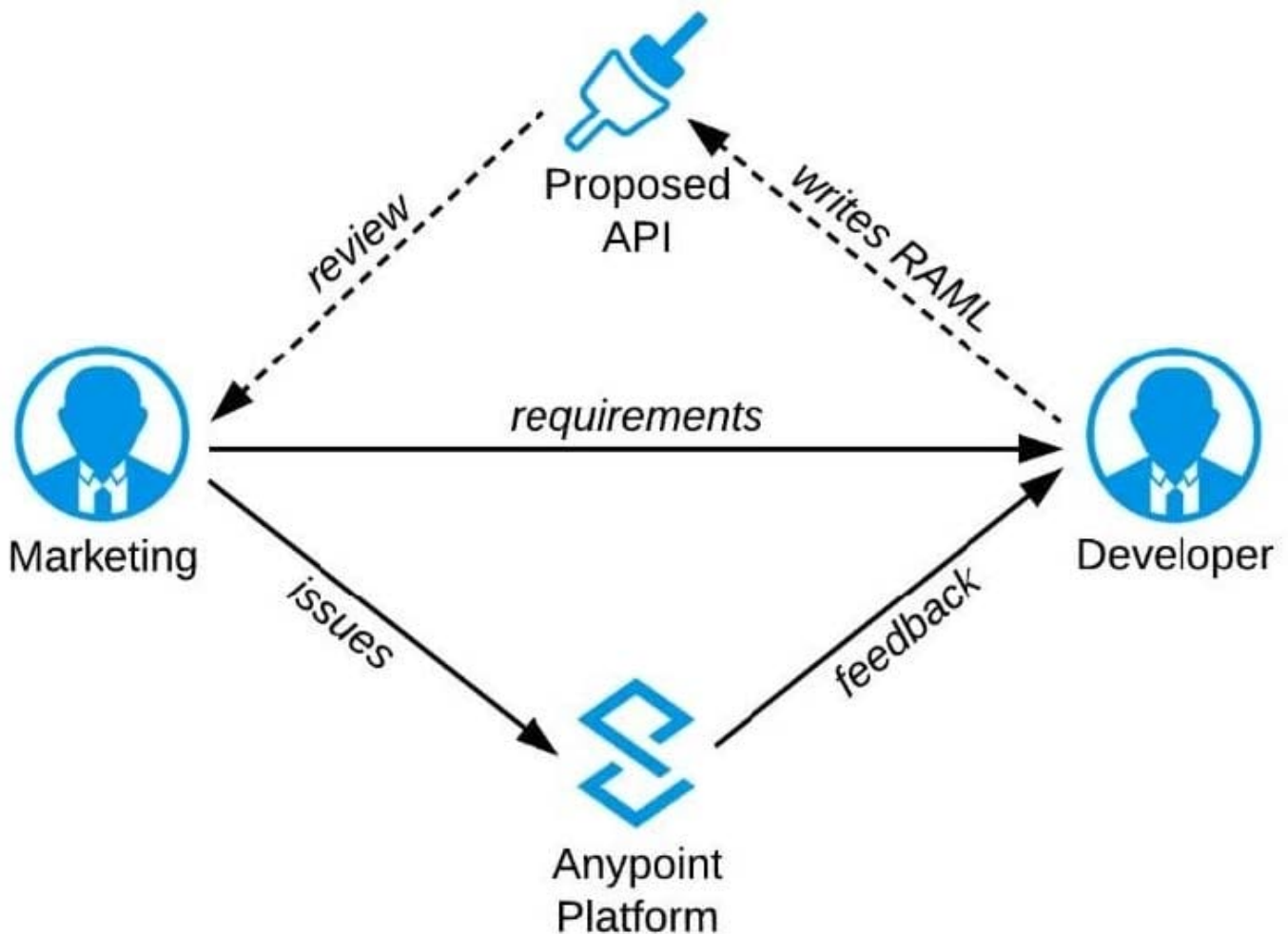
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### QUESTION 1

Refer to the exhibit.



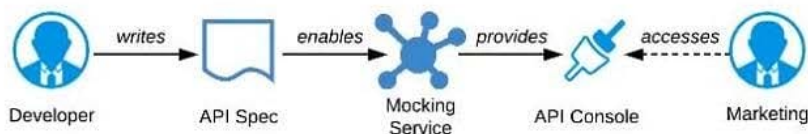
A RAML definition has been proposed for a new Promotions Process API, and has been published to Anypoint Exchange.

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

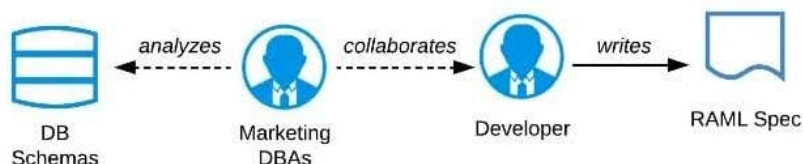
What is the most effective way to use Anypoint Platform features to involve the Marketing Department in this early API design phase?



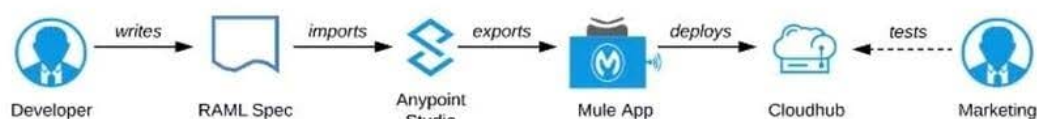
- A. Ask the Marketing Department to interact with a mocking implementation of the API using the automatically generated API Console.



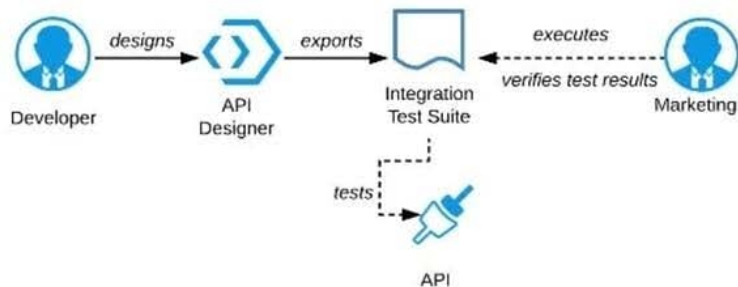
- B. Organize a design workshop with the DBAs of the Marketing Department in which the database schema of the Marketing IT systems is translated into RAML.



- 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

## QUESTION 2

When must an API implementation be deployed to an Anypoint VPC?

- A. When the API implementation must invoke publicly exposed services that are deployed outside of CloudHub in a customer-managed AWS instance.
- B. When the API implementation must be accessible within a subnet of a restricted customer-hosted network that does not allow public access.
- C. When the API implementation must be deployed to a production AWS VPC using the Mule Maven plugin



D. When the API implementation must write to a persistent Object Store

Correct Answer: A

### QUESTION 3

What is true about the technology architecture of Anypoint VPCs?

- A. The private IP address range of an Anypoint VPC is automatically chosen by CloudHub.
- B. Traffic between Mule applications deployed to an Anypoint VPC and on-premises systems can stay within a private network.
- C. Each CloudHub environment requires a separate Anypoint VPC.
- D. VPC peering can be used to link the underlying AWS VPC to an on-premises (non AWS) private network.

Correct Answer: B

Reference: <https://docs.mulesoft.com/runtime-manager/vpc-connectivity-methods-concept>

### QUESTION 4

An organization is implementing a Quote of the Day API that caches today's quote.

What scenario can use the CloudHub Object Store via the Object Store connector to persist the cache's state?

- A. When there are three CloudHub deployments of the API implementation to three separate CloudHub regions that must share the cache state.
- B. When there are two CloudHub deployments of the API implementation by two Anypoint Platform business groups to the same CloudHub region that must share the cache state.
- C. When there is one deployment of the API implementation to CloudHub and another deployment to a customer-hosted Mule runtime that must share the cache state.
- D. When there is one CloudHub deployment of the API implementation to three CloudHub workers that must share the cache state.

Correct Answer: C

### QUESTION 5

An organization has implemented a Customer Address API to retrieve customer address information. This API has been deployed to multiple environments and has been configured to enforce client IDs everywhere.

A developer is writing a client application to allow a user to update their address. The developer has found the Customer Address API in Anypoint Exchange and wants to use it in their client application.

What step of gaining access to the API can be performed automatically by Anypoint Platform?



- A. Approve the client application request for the chosen SLA tier.
- B. Request access to the appropriate API instances deployed to multiple environments using the client application's credentials.
- C. Modify the client application to call the API using the client application's credentials.
- D. Create a new application in Anypoint Exchange for requesting access to the API.

Correct Answer: B

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#### QUESTION 6

An API experiences a high rate of client requests (TPS) with small message payloads.

How can usage limits be imposed on the API based on the type of client application?

- A. Use an SLA-based rate limiting policy and assign a client application to a matching SLA tier based on its type.
- B. Use a spike control policy that limits the number of requests for each client application type.
- C. Use a cross-origin resource sharing (CORS) policy to limit resource sharing between client applications, configured by the client application type.
- D. Use a rate limiting policy and a client ID enforcement policy, each configured by the client application type.

Correct Answer: A

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#### QUESTION 7

What is a key requirement when using an external Identity Provider for Client Management in Anypoint Platform?

- A. Single sign-on is required to sign in to Anypoint Platform
- B. The application network must include System APIs that interact with the Identity Provider
- C. To invoke OAuth 2.0-protected APIs managed by Anypoint Platform, API clients must submit access tokens issued by that same Identity Provider
- D. APIs managed by Anypoint Platform must be protected by SAML 2.0 policies

Correct Answer: C

Reference: <https://www.folkstalk.com/2019/11/mulesoft-integration-and-platform.html>

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#### QUESTION 8

When could the API data model of a System API reasonably mimic the data model exposed by the corresponding backend system, with minimal improvements over the backend system's data model?

- A. When there is an existing Enterprise Data Model widely used across the organization.



- B. When the System API can be assigned to a bounded context with a corresponding data model.
- C. When a pragmatic approach with only limited isolation from the backend system is deemed appropriate.
- D. When the corresponding backend system is expected to be replaced in the near future.

Correct Answer: A

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#### QUESTION 9

When using CloudHub with the Shared Load Balancer, what is managed EXCLUSIVELY by the API implementation (the Mule application) and NOT by Anypoint Platform?

- A. The assignment of each HTTP request to a particular CloudHub worker
- B. The logging configuration that enables log entries to be visible in Runtime Manager
- C. The SSL certificates used by the API implementation to expose HTTPS endpoints
- D. The number of DNS entries allocated to the API implementation

Correct Answer: A

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#### QUESTION 10

An API implementation is deployed on a single worker on CloudHub and invoked by external API clients (outside of CloudHub).

How can an alert be set up that is guaranteed to trigger AS SOON AS that API implementation stops responding to API invocations?

- A. Implement a heartbeat/health check within the API and invoke it from outside the Anypoint Platform and alert when the heartbeat does not respond.
- B. Configure a "worker not responding" alert in Anypoint Runtime Manager.
- C. Handle API invocation exceptions within the calling API client and raise an alert from that API client when the API is unavailable.
- D. Create an alert for when the API receives no requests within a specified time period.

Correct Answer: D

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#### QUESTION 11

What Mule application deployment scenario requires using Anypoint Platform Private Cloud Edition or Anypoint Platform for Pivotal Cloud Foundry?

- A. When it is required to make ALL applications highly available across multiple data centers.
- B. When it is required that ALL APIs are private and NOT exposed to the public cloud.



- C. When regulatory requirements mandate on-premises processing of EVERY data item, including meta-data.
- D. When ALL backend systems in the application network are deployed in the organization's intranet.

Correct Answer: C

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#### QUESTION 12

An API implementation is being designed that must invoke an Order API, which is known to repeatedly experience downtime.

For this reason, a fallback API is to be called when the Order API is unavailable.

What approach to designing the invocation of the fallback API provides the best resilience?

- A. Search Anypoint Exchange for a suitable existing fallback API, and then implement invocations to this fallback API in addition to the Order API.
- B. Create a separate entry for the Order API in API Manager, and then invoke this API as a fallback API if the primary Order API is unavailable.
- C. Redirect client requests through an HTTP 307 Temporary Redirect status code to the fallback API whenever the Order API is unavailable.
- D. Set an option in the HTTP Requester component that invokes the Order API to instead invoke a fallback API whenever an HTTP 4xx or 5xx response status code is returned from the Order API.

Correct Answer: D

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#### QUESTION 13

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

Correct Answer: C

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#### QUESTION 14

What CANNOT be effectively enforced using an API policy in Anypoint Platform?





- A. Guarding against Denial of Service attacks
- B. Maintaining tamper-proof credentials between APIs
- C. Logging HTTP requests and responses
- D. Backend system overloading

Correct Answer: A

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#### QUESTION 15

How can the application of a rate limiting API policy be accurately reflected in the RAML definition of an API?

- A. By refining the resource definitions by adding a description of the rate limiting policy behavior
- B. By refining the request definitions by adding a remainingRequests query parameter with description, type, and example
- C. y refining the response definitions by adding the out-of-the-box Anypoint Platform rate-limitemforcement securityScheme with description, type, and example
- D. By refining the response definitions by adding the x-ratelimit-\* response headers with description, type, and example

Correct Answer: D

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