

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

MuleSoft Certified Platform Architect - Level 1

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**QUESTION 1**

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: B

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**QUESTION 2**

The responses to some HTTP requests can be cached depending on the HTTP verb used in the request. According to the HTTP specification, for what HTTP verbs is this safe to do?

- A. PUT, POST, DELETE
- B. GET, HEAD, POST
- C. GET, PUT, OPTIONS
- D. GET, OPTIONS, HEAD

Correct Answer: D

Reference: <http://restcookbook.com/HTTP%20Methods/idempotency/>

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**QUESTION 3**

An API implementation is updated. When must the RAML definition of the API also be updated?

- A. When the API implementation changes the structure of the request or response messages.
- B. When the API implementation changes from interacting with a legacy backend system deployed on-premises to a modern, cloud-based (SaaS) system.
- C. When the API implementation is migrated from an older to a newer version of the Mule runtime.
- D. When the API implementation is optimized to improve its average response time.

Correct Answer: D

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**QUESTION 4**

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 API's 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 update should be identified as a project risk and full regression testing of the functionality that uses this API should be run.
- B. The API producer should be contacted to understand the change to existing functionality.
- C. The API producer should be requested to run the old version in parallel with the new one.
- D. The API client code ONLY needs to be changed if it needs to take advantage of new features.

Correct Answer: D

Reference: <https://docs.mulesoft.com/exchange/to-change-raml-version>

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**QUESTION 5**

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 6**

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

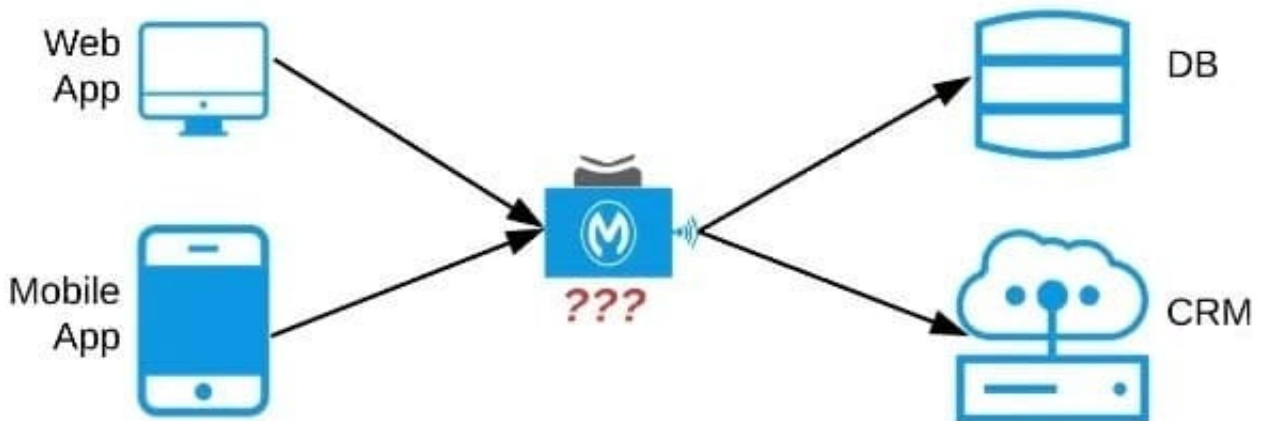
D. APIs managed by Anypoint Platform must be protected by SAML 2.0 policies

Correct Answer: C

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

## QUESTION 7

Refer to the exhibit.

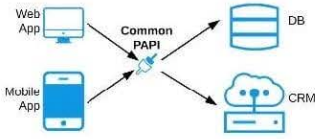


An organization needs to enable access to their customer data from both a mobile app and a web application, which each need access to common fields as well as certain unique fields.

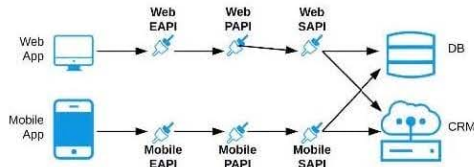
The data is available partially in a database and partially in a 3rd-party CRM system.

What APIs should be created to best fit these design requirements?

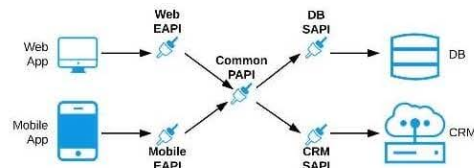
- Ⓐ A Process API that contains the data required by both the web and mobile apps, allowing these applications to invoke it directly and access the data they need thereby providing the flexibility to add more fields in the future without needing API changes.



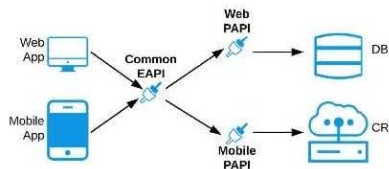
- Ⓑ One set of APIs (Experience API, Process API, and System API) for the web app, and another set for the mobile app.



- Ⓒ Separate Experience APIs for the mobile and web app, but a common Process API that invokes separate System APIs created for the database and CRM system



- Ⓓ A common Experience API used by both the web and mobile apps, but separate Process APIs for the web and mobile apps that interact with the database and the CRM System.



A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

**QUESTION 8**

What is true about automating interactions with Anypoint Platform using tools such as Anypoint Platform REST APIs, Anypoint CLI, or the Mule Maven plugin?

- A. Access to Anypoint Platform APIs and Anypoint CLI can be controlled separately through the roles and permissions in Anypoint Platform, so that specific users can get access to Anypoint CLI while others get access to the platform APIs.
- B. Anypoint Platform APIs can ONLY automate interactions with CloudHub, while the Mule Maven plugin is required for deployment to customer-hosted Mule runtimes
- C. y default, the Anypoint CLI and Mule Maven plugin are NOT included in the Mule runtime, so are NOT available to be used by deployed Mule applications.

D. API policies can be applied to the Anypoint Platform APIs so that ONLY certain LOBs have access to specific functions.

Correct Answer: C

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#### QUESTION 9

In an organization, the InfoSec team is investigating Anypoint Platform related data traffic.

From where does most of the data available to Anypoint Platform for monitoring and alerting originate?

- A. From the Mule runtime or the API implementation, depending on the deployment model
- B. From various components of Anypoint Platform, such as the Shared Load Balancer, VPC, and Mule runtimes
- C. From the Mule runtime or the API Manager, depending on the type of data
- D. From the Mule runtime irrespective of the deployment model

Correct Answer: B

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#### QUESTION 10

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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#### QUESTION 11

What is a key performance indicator (KPI) that measures the success of a typical C4E that is immediately apparent in responses from the Anypoint Platform APIs?

- A. The number of production outage incidents reported in the last 24 hours
- B. The number of API implementations that have a publicly accessible HTTP endpoint and are being managed by Anypoint Platform
- C. The fraction of API implementations deployed manually relative to those deployed using a CI/CD tool
- D. The number of API specifications in RAML or OAS format published to Anypoint Exchange

Correct Answer: B

Reference: <https://help.mulesoft.com/s/question/0D52T00004mXSTUSA4/how-should-a-company-measure-c4e-success>

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## QUESTION 12

What is true about API implementations when dealing with legal regulations that require all data processing to be performed within a certain jurisdiction (such as in the USA or the EU)?

- A. They must avoid using the Object Store as it depends on services deployed ONLY to the US East region.
- B. They must use a jurisdiction-local external messaging system such as Active MQ rather than Anypoint MQ.
- C. They must be deployed to Anypoint Platform runtime planes that are managed by Anypoint Platform control planes, with both planes in the same jurisdiction.
- D. They must ensure ALL data is encrypted both in transit and at rest.

Correct Answer: C

Reference: <https://docs.mulesoft.com/eu-control-plane/>

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## QUESTION 13

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

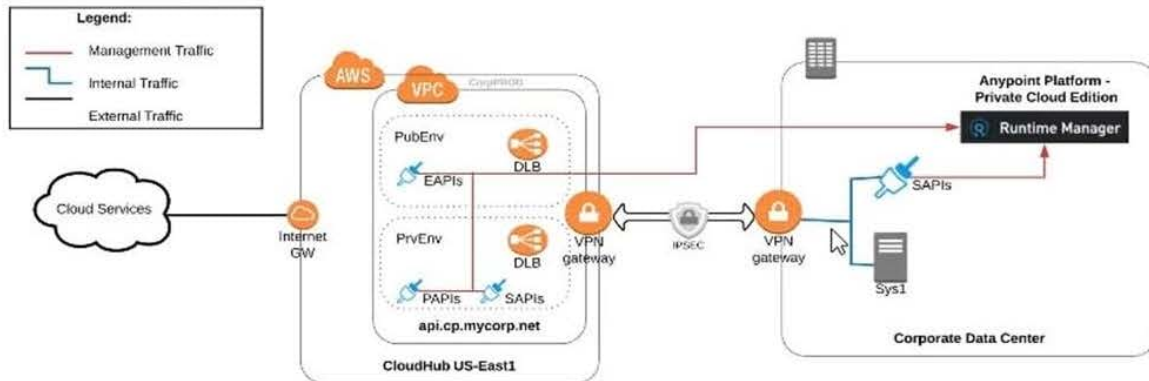
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## QUESTION 14

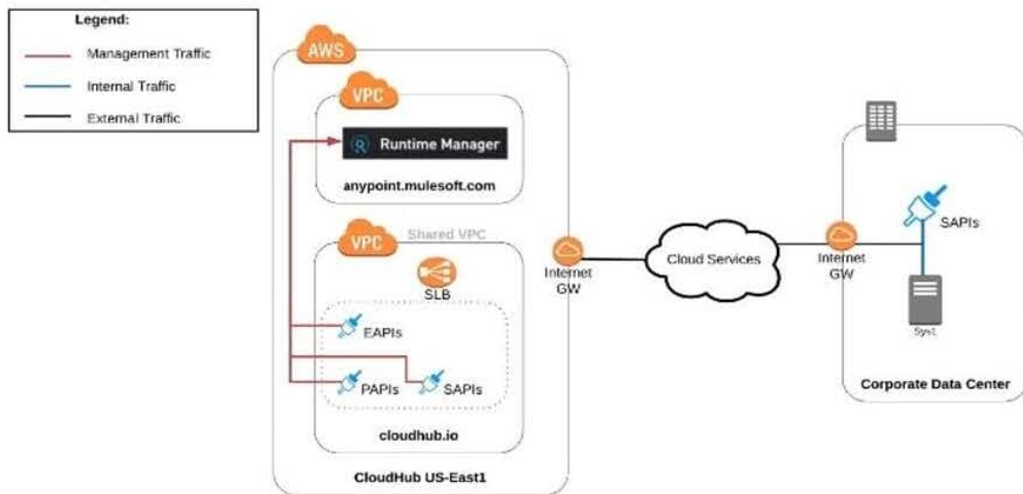
An organization uses various cloud-based SaaS systems and multiple on-premises systems. The on-premises systems are an important part of the organization's application network and can only be accessed from within the organization's intranet.

What is the best way to configure and use Anypoint Platform to support integrations with both the cloud-based SaaS systems and on-premises systems?

Ⓐ. Use CloudHub-deployed Mule runtimes in an Anypoint VPC managed by Anypoint Platform Private Cloud Edition control plane.

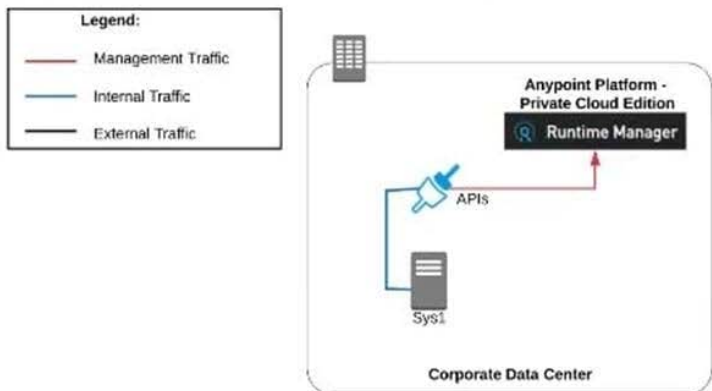


Ⓑ. Use CloudHub-deployed Mule runtimes in the shared worker cloud managed by the MuleSoft-hosted Anypoint Platform control plane.

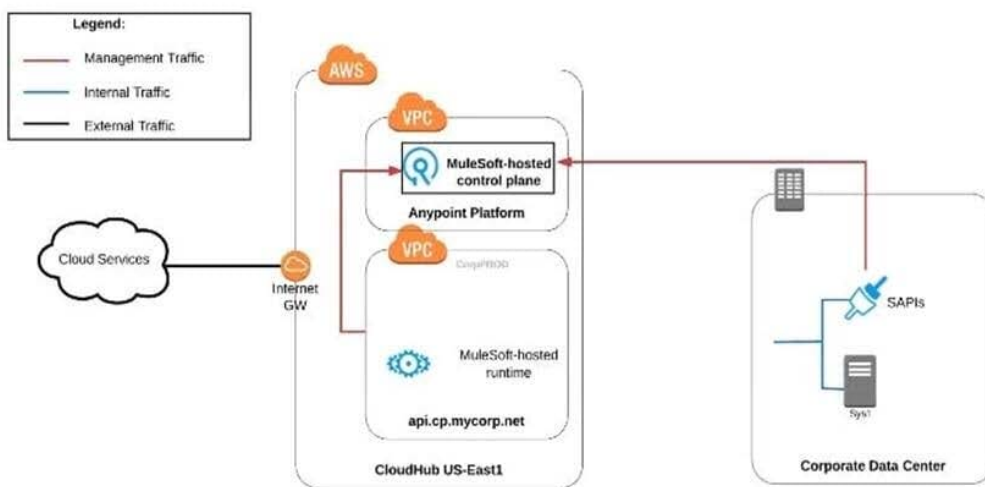




● C. Use an on-premises installation of Mule runtimes that are completely isolated with NO external network access, managed by the Anypoint Platform Private Cloud Edition control plane.



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



A. Option A

B. Option B

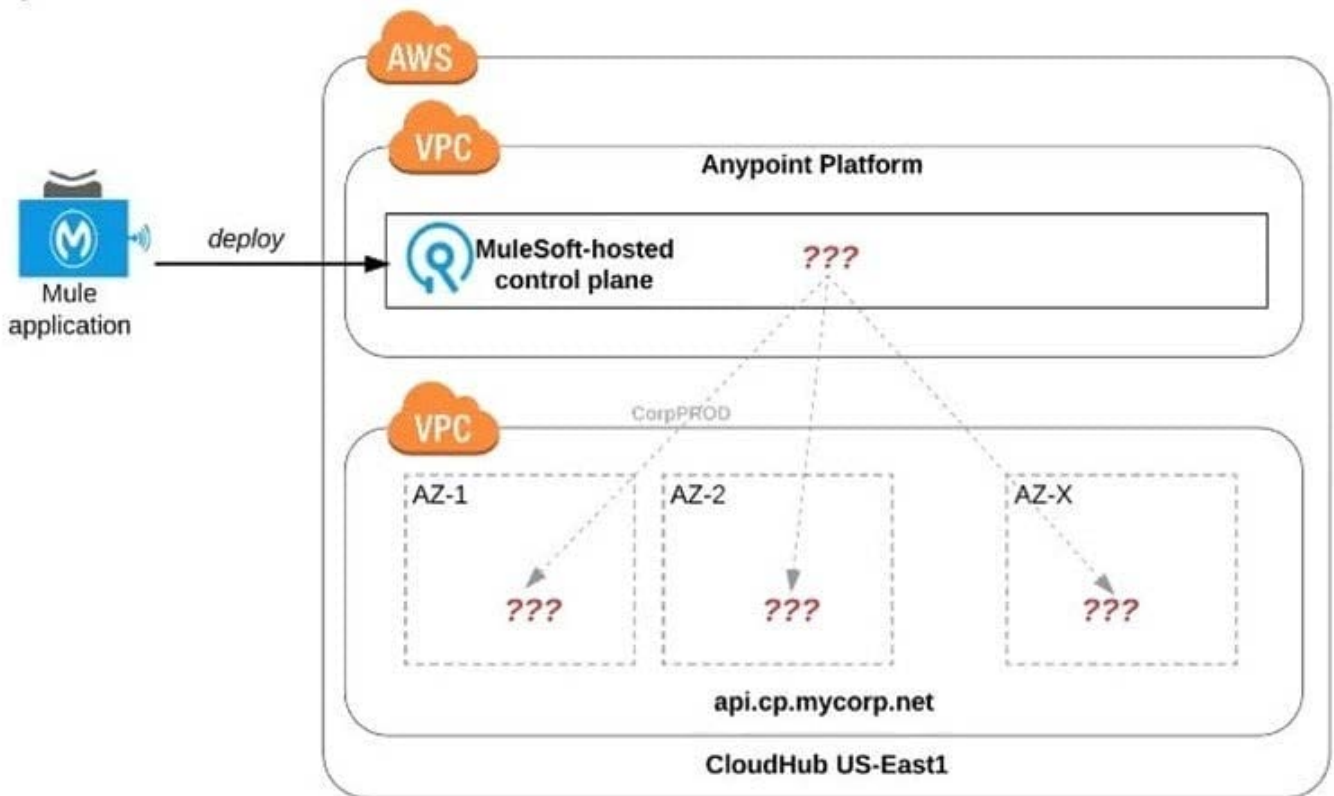
C. Option C

D. Option D

Correct Answer: B

**QUESTION 15**

Refer to the exhibit.



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: D

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