



ExamsIndex
Practice Materials & Tests

DEMO VERSION

Salesforce

Mule-101 Exam

Salesforce Certified MuleSoft Integration Foundations



Exam Latest Version: 6.0



Question 1. (Single Select)

In which order are the API Client, API Implementation, and API Interface components called in a typical REST request?

- A: API Client > API Interface > API Implementation
- B: API Client > API Implementation > API Interface
- C: API Implementation > API Interface > API Client
- D: API Interface > API Client > API Implementation

Correct Answer: A

Explanation:

Correction Note: The provided PDF Answer Key lists B as the answer. However, based on standard MuleSoft and REST architecture principles, A is the correct logical flow.

The Concept: In an API-led connectivity approach, the "Interface" represents the contract (such as the RAML specification, the HTTP Listener, and the APIkit Router). The "Implementation" represents the backend logic and flows that process the request.

The Flow:

API Client: The consumer (e.g., a mobile app, Postman, or another system) initiates the HTTP request.

API Interface: The request first hits the Interface. This layer defines the URL, validates the request against the API Specification (RAML/OAS), and routes it to the correct flow.

API Implementation: Once validated and routed, the request is processed by the implementation flows (business logic) to fetch data or perform actions.

Therefore, the data travels: Client -> Interface -> Implementation.

Question 2. (Multi Select)

What are two reasons why a typical Mulesoft customer favors a Mulesoft-hosted Anypoint platform runtime plane over a customer-hosted runtime for its Mule application deployments?

- A: Reduced IT operations effort
- B: Increased application isolation
- C: Increased application throughput
- D: Reduced time-to-market for the first application
- E: Reduced application latency

Correct Answer: A, D

Explanation:

MuleSoft-Hosted Runtime (CloudHub): This is an Integration Platform as a Service (iPaaS) model where MuleSoft manages the infrastructure.

Reduced IT Operations Effort (Option A): Because MuleSoft manages the physical servers, operating system updates, and patching, the customer's IT team does not need to maintain the hardware or VM infrastructure.

Reduced Time-to-Market (Option D): With a pre-configured environment ready for deployment, teams can deploy applications immediately without waiting for the provisioning of on-premises servers, load balancers, or network configurations.

Question 3. (Single Select)

According to MuleSoft, which system integration term describes the method, format, and protocol used for communication between two systems? 4

- A: Interface
- B: Message
- C: Interaction
- D: Component

Correct Answer: A

Explanation:

Comprehensive and Detailed Explanation:

The Interface: In system integration and MuleSoft terminology, the Interface is the contract that defines how two systems communicate. It specifies:

Protocol: How data is transmitted (e.g., HTTP, FTP, AMQP).

Format: The structure of the data (e.g., JSON, XML, CSV).

Method: The specific action (e.g., GET, POST).

Why other options are incorrect:

Message: This refers to the actual data payload (the content) being sent, not the rules of communication.

Component: This usually refers to a specific building block within the Mule flow (like a Logger or a Database connector) or a software module, not the communication definition itself.

Interaction: This describes the act of communicating, not the definition of the standard used.

Question 4. (Single Select)

According to MuleSoft, a synchronous invocation of a RESTful API using HTTP to get an individual customer record from a single system is an example of which message exchange pattern? 6 (Note: The options are partially truncated in the PDF, but based on the provided text "A. Multicast" 7 and standard MuleSoft certification context, the correct pattern is Request-Response).

- A: Multicast
- B: Request-Response
- C: Fire-and-Forget
- D: Acknowledge Only

Correct Answer: B

Explanation:

Comprehensive and Detailed Explanation:

Request-Response: The HTTP protocol is inherently synchronous and follows the Request-Response pattern. The client sends a request (the GET command) and waits for the server to process the query and send back the data (the 200 OK response).

Synchronous Nature: The "Synchronous" keyword in the question is the biggest clue. The client processing is blocked or expects an immediate return of data before proceeding.

Why "Multicast" is incorrect: Multicast is a one-to-many pattern (usually asynchronous). It involves sending one message to multiple receivers (like a topic subscription), which contradicts the question's scenario of getting a "record from a single system." 8

Question 5. (Single Select)

An integration team follows MuleSoft's recommended approach to full lifecycle API development.
9

- A: Use the API specification to build the MuleSoft application
- B: Design the API specification
- C: Validate the API specification
- D: Use the API specification to monitor the MuleSoft application

Correct Answer: A

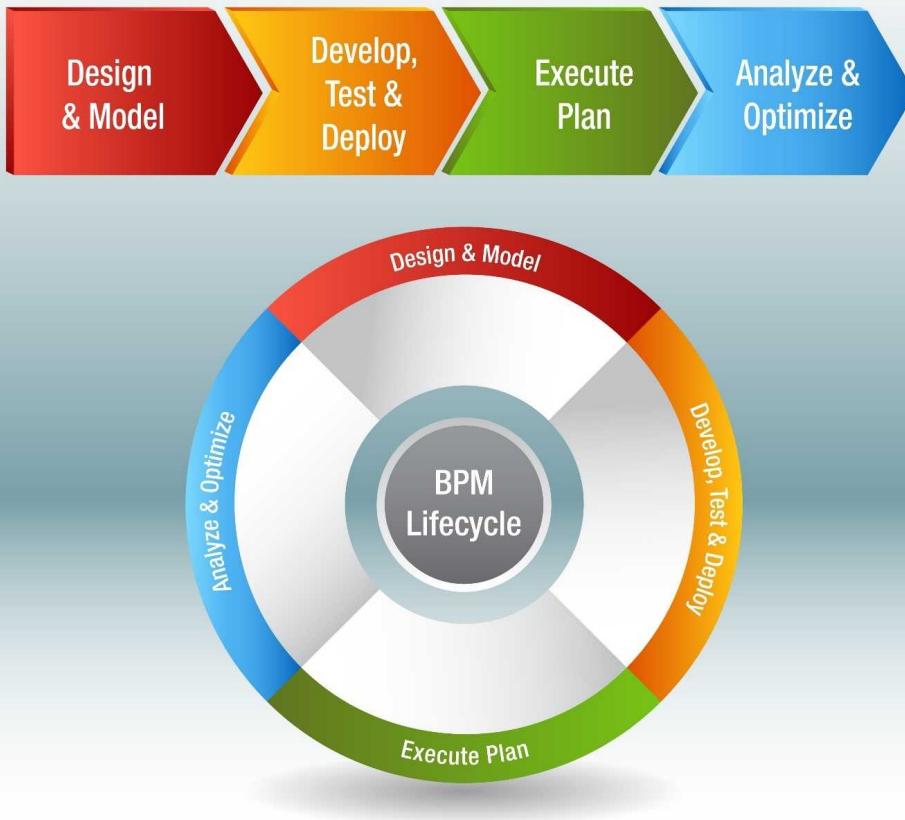
Explanation:

(Note: The question implies "What is the next step after design/validation?" or "How is the spec used?". Based on the answer key A, the context is how the spec drives development).

Comprehensive and Detailed Explanation:

Business Process Management (BPM) Lifecycle

Lifecycle phases of business process management



Shutterstock Explore API-Led Connectivity & Design-First: MuleSoft promotes a "Design-First" approach. You first write the RAML or OAS specification. MuleSoft scaffolding: Once the specification is designed and published to Exchange, the developer imports it into Anypoint Studio. Studio then scaffolds (automatically generates) the Mule flows based on the API Specification. The Workflow: Design: Create the API contract (RAML/OAS). Publish: Publish to Exchange. Build (Answer A): Use the API specification to generate the flow structure (APIkit Router) and implement the logic. This ensures the implementation strictly matches the design defined in the earlier phases.

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