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**Exam** : **1z0-1042-25**

**Title** : Oracle Cloud Infrastructure  
2025 Application Integration  
Professional

**Vendor** : Oracle

**Version** : DEMO

**NO.1** Which statements are TRUE with regard to SOAP and the advantages it provides? Select THREE.

- A.** SOAP clients can easily hold stateful references to remote server-side SOAP objects.
- B.** SOAP is platform independent and programming language independent.
- C.** SOAP typically leverages XML-based payloads to communicate between two client machines across any modern network.
- D.** SOAP commonly serves as a cleaning agent that removes excess data from the transmission protocol.
- E.** SOAP provides flexibility for message formatting allowing for loose coupling between a client and a server.
- F.** SOAP over HTTP is typically not blocked by firewalls and proxy servers.

**Answer:** B C F

Explanation:

Comprehensive and Detailed Explanation:

SOAP (Simple Object Access Protocol) advantages:

B: True-platform and language independence via XML and WSDL.

C: True-XML payloads are standard for SOAP communication.

F: True-HTTP transport makes it firewall-friendly.

A: False-SOAP is stateless by design; state requires custom implementation.

D: False-a humorous misinterpretation; SOAP doesn't "clean" data.

**NO.2** Which statement about the Oracle Integration (OIC) connectivity agent is NOT valid?

- A.** You must create an agent group before you can run the connectivity agent installer.
- B.** Creating the agent group automatically creates an OAuth client application.
- C.** You can create up to five agent groups for each OIC instance.
- D.** The connectivity agent can use Basic Authentication or OAuth 2.0 token-based authentication when invoking OIC endpoints.

**Answer:** B

Explanation:

Comprehensive and Detailed Explanation:

Agent Facts:

B: False-no auto-OAuth creation.

**NO.3** CSV-formatted data has been extracted from Oracle ERP Cloud by invoking a web service using the SOAP Adapter, and the data extract has been returned as an MTOM attachment. You now need to send this CSV file to an external REST API that supports accepting this content as a Base64 encoded string. Which is a valid solution offering the best performance?

- A.** Use the REST adapter configuration wizard to define the structure of the CSV when configuring the invoke connection, then map the MTOM attachment directly.
- B.** Map the received MTOM attachment directly to the REST adapter invoke map action using the `encodeReferenceToBase64` function.
- C.** Create an NXSD in Oracle JDeveloper to define the schema of the CSV and use it to map the transformed data to the REST adapter invoke map action.
- D.** Create and register a JavaScript function to convert the contents, invoke it using the JavaScript call

action, then map the result to the REST adapter invoke map action.

**Answer:** B

**NO.4** Your organization has a number of active integrations in Oracle Integration (OIC). Your advice is sought out on the consequences of deactivating integration instances. Which statement concerning integration deactivation is NOT valid?

- A.** Processing of any new messages will be immediately stopped.
- B.** All existing history, monitoring, and runtime data will be lost.
- C.** You can choose to retain the event subscription, where events are resent if the integration is reactivated within six hours.
- D.** You will not be able to observe any failed instances occurring after the deactivation request.

**Answer:** B

Explanation:

Comprehensive and Detailed Explanation:

Deactivation effects:

A:True-stops processing instantly.

B:False-data is retained, not lost.

C:True-event retention is an option.

**NO.5** Which statement is valid regarding Oracle Integration Cloud (OIC) Lookups?

- A.** You cannot clone an existing lookup if it is being currently referenced in one or more active OIC integrations.
- B.** Lookup values are retrieved from a back-end database at runtime.
- C.** Lookup values must include two or more domains associated with the corresponding SaaS applications.
- D.** A custom OIC XPath function is used to retrieve data from Lookups in the data mapper.

**Answer:** D

Explanation:

Comprehensive and Detailed Explanation:

OIC Lookups are static mapping tables:

Option A:False-lookups can be cloned regardless of active references, though updates might require integration reactivation.

Option B:False-lookups are static, stored in OIC, not dynamically retrieved from databases at runtime

Option C:False-no mandatory domain count; lookups can map single or multiple domains as needed.

Option D:True-the lookupValue XPath function retrieves data from lookups within the mapper, a standard feature.

D reflects OIC's design for efficient data transformation.

**NO.6** Which statement is valid regarding connection resources in Oracle Integration Cloud (OIC)?

- A.** Each connection associated with a SaaS adapter type also requires a lookup component configuration.
- B.** All connection configurations require the association of an active OIC Connectivity Agent group.
- C.** All connection resources must be associated with an adapter type regardless of role configuration.

**D.** Connection resources can be configured with either a Trigger role or an Invoke role, but not both.

**Answer:** C

Explanation:

Comprehensive and Detailed Explanation:

Connections in OIC:

C: True—all connections require an adapter type (e.g., REST, SOAP) to define interaction.

A: False—lookups are optional.

B: False—agents are only for on-premises access.

**NO.7** Which Oracle Integration (OIC) adapter can be used to create a configured connection within an integration allowing you to send a file to the embedded File Server associated within the same OIC environment?

**A.** File Adapter

**B.** Local Adapter

**C.** FTP Adapter

**D.** REST Adapter

**Answer:** A

Explanation:

Comprehensive and Detailed Explanation:

The OIC File Server is an embedded SFTP server for file operations within the same instance. Let's analyze each adapter:

Option A: File Adapter

Correct (Answer): The File Adapter is explicitly designed to interact with the OIC File Server. In an integration flow, you configure a File Adapter connection with the "Invoke" role, selecting the File Server as the target. For example, you could use a "Write File" operation to send a CSV file (e.g., sales\_data.csv) to a folder like /uploads on the File Server. This adapter leverages SFTP under the hood, making it the native choice for internal file transfers within OIC, offering seamless integration without external dependencies.

Option B: Local Adapter

Incorrect: There's no "Local Adapter" in OIC's standard adapter suite. This might be a misnomer or confusion with other concepts (e.g., local invokes in orchestration), but no such adapter exists for File Server interaction.

Option C: FTP Adapter

Incorrect: The FTP Adapter connects to external FTP/SFTP servers, not the embedded OIC File Server. While it supports similar operations (e.g., write, read), its configuration requires external server details (host, port, credentials), making it unsuitable for the internal File Server, which is pre-configured within OIC.

Option D: REST Adapter

Incorrect: The REST Adapter handles HTTP-based APIs, not file transfers to the File Server. While you could theoretically use REST to manage File Server metadata via management APIs (with Service Administrator role), it's not designed for direct file operations like sending a file, which is the question's focus.

Why A is the answer: The File Adapter is purpose-built for the OIC File Server, providing a direct, efficient, and supported method for internal file operations.

Edge Case: If the File Server is disabled (default state in new instances), you'd need to enable it first in

Settings before the File Adapter can connect.

Use Case Example: An integration processes a payroll report and uses the File Adapter to write it to the File Server for audit purposes.

Potential Pitfall: Misconfiguring the File Adapter with external SFTP settings instead of selecting "File Server" would fail, as it's an internal target.

**NO.8** You are an Oracle Integration Cloud (OIC) specialist responsible for integrating two enterprise applications.

Recently, you noticed that your integration instance is processing messages much slower than expected, causing a significant delay in data synchronization between the applications. What is the best course of action?

- A.** Delete and re-create the integration to start with a clean slate.
- B.** Analyze the performance metrics of the instance, identify bottlenecks, and optimize the integration accordingly.
- C.** Reactivate the integration to clear any temporary issues that might be causing the slowdown.
- D.** Immediately increase the number of instances to handle the increased load.

**Answer:** B

Explanation:

Comprehensive and Detailed Explanation:

Performance issues require systematic resolution:

Option B: Analyzing metrics (via Monitoring > Instances or Dashboards) identifies bottlenecks (e.g., slow external calls, large payloads), enabling targeted optimization (e.g., batching, caching). This is the best practice.

Option A: Deleting and recreating loses history and is inefficient without diagnosis.

Option C: Reactivation might reset transient issues but doesn't address root causes.

Option D: Scaling instances increases cost without guaranteeing resolution if the bottleneck is elsewhere.

Data-driven optimization ensures effective synchronization.

**NO.9** You are designing a new integration in Oracle Integration (OIC) that needs to expose a RESTful interface for client applications. Which is a valid consideration when choosing request and response options using the REST Adapter Endpoint Configuration Wizard?

- A.** Both standard and custom HTTP headers can be defined for both the request and the response.
- B.** File attachments can be accepted as a request option for the Trigger interface, but you cannot include attachments as a response to the client.
- C.** Although you can define both query and template parameters, only template parameters are available for mapping in the mapper because query parameters are considered optional.
- D.** If you select a PUT or POST action (HTTP method), you must define a JSON response payload format.

**Answer:** A

Explanation:

Comprehensive and Detailed Explanation:

REST Configuration:

A: True-headers are flexible.

**NO.10** GlobalTech Corporation uses Oracle Integration (OIC) to synchronize data between their CRM and ERP systems. They currently have a schedule pattern integration that runs nightly at 3 AM. With the implementation of a new CRM system that supports real-time data synchronization, GlobalTech wants to update their ERP system immediately after any data changes in the CRM. To achieve this, they wish to convert the schedule integration to an application pattern integration, allowing the CRM system to explicitly call the integration upon data changes. When implementing this conversion, which of these considerations is NOT valid?

- A.** After conversion, existing scheduled parameters will be automatically converted to integration properties.
- B.** You cannot convert a scheduled integration with assignments that have the fault data type.
- C.** During conversion, you must choose an existing REST Adapter trigger connection resource.
- D.** You cannot convert a scheduled integration to a REST Adapter-triggered integration with multiple verbs.

**Answer:** A

Explanation:

Comprehensive and Detailed Explanation:

Conversion Considerations:

A:False-no auto-conversion of parameters.