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Oracle Cloud Infrastructure Developer 2021 Associate

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QUESTION 1

Which one of the following is NOT a valid backend-type supported by Oracle Cloud Infrastructure (OCI) API Gateway?

- A. STOCK_RESPONSE_BACKEND
- B. ORACLE_FUNCTIONS_BACKEND
- C. ORACLE_STREAMS_BACKEND
- D. HTTP_BACKEND

Correct Answer: C

In the API Gateway service, a back end is the means by which a gateway routes requests to the back-end services that implement APIs. If you add a private endpoint back end to an API gateway, you give the API gateway access to the VCN associated with that private endpoint. You can also grant an API gateway access to other Oracle Cloud Infrastructure services as back ends. For example, you could grant an API gateway access to Oracle Functions, so you can create and deploy an API that is backed by a serverless function. API Gateway service to create an API gateway, you can create an API deployment to access HTTP and HTTPS URLs. <https://docs.cloud.oracle.com/en-us/iaas/Content/APIGateway/Tasks/apigatewayusinghttpbackend.htm> API Gateway service to create an API gateway, you can create an API deployment that invokes serverless functions defined in Oracle Functions. <https://docs.cloud.oracle.com/en-us/iaas/Content/APIGateway/Tasks/apigatewayusingfunctionsbackend.htm> API Gateway service, you can define a path to a stock response back end <https://docs.cloud.oracle.com/en-us/iaas/Content/APIGateway/Tasks/apigatewayaddingstockresponses.htm>

QUESTION 2

You are using Oracle Cloud Infrastructure (OCI) Resource Manager to manage your infrastructure lifecycle and wish to receive an email each time a Terraform action begins. How should you use the OCI Events service to do this without writing any code?

- A. Create an OCI Notifications topic and email subscription with the destination email address. Then create an OCI Events rule matching "Resource Manager Stack - Update" condition, and select the notification topic for the corresponding action.
- B. Create an OCI Notification topic and email subscription with the destination email address. Then create an OCI Events rule matching "Resource Manager job - Create" condition, and select the notification topic for the corresponding action.
- C. Create a rule in OCI Events service matching the "Resource Manager Stack - Update" condition. Then select "Action Type: Email" and provide the destination email address.
- D. Create an OCI Email Delivery configuration with the destination email address. Then create an OCI Events rule matching "Resource Manager Job - Create" condition, and select the email configuration for the corresponding action.

Correct Answer: B

1.

Create Notifications Topic and Subscription If a suitable Notifications topic doesn't already exist, then you must log in to the Console as a tenancy administrator and create it. Whether you use an existing topic or create a new one, add an email address as a subscription so that you can monitor that email account for notifications

2.

Using the Console to Create a Rule Use the Console to create a rule with a pattern that matches bucket creation events emitted by Object Storage. Specify the Notifications topic you created as an action to deliver matching events. To test your rule, create a bucket. Object Storage emits an event which triggers the action. Check the email specified in the subscription to receive your notification

<https://docs.cloud.oracle.com/en-us/iaas/Content/Events/Concepts/eventsgetstarted.htm>

<https://docs.cloud.oracle.com/en-us/iaas/Content/Events/Concepts/filterevents.htm>

QUESTION 3

What are two of the main reasons you would choose to implement a serverless architecture?

- A. No need for integration testing
- B. Reduced operational cost
- C. Improved In-function state management
- D. Automatic horizontal scaling
- E. Easier to run long-running operations

Correct Answer: BD

QUESTION 4

With the volume of communication that can happen between different components in cloud-native applications, it is vital to not only test functionality, but also service resiliency. Which statement is true with regards to service resiliency?

- A. Resiliency is about recovering from failures without downtime or data loss.
- B. A goal of resiliency is not to bring a service to a functioning state after a failure.
- C. Resiliency testing can be only done in a test environment.
- D. Resiliency is about avoiding failures.

Correct Answer: D

Resiliency and Availability Resiliency and availability refers to the ability of a system to continue operating, despite the failure or suboptimal performance of some of its components. In the case of Oracle Functions: The control plane is a set of components that manages function definitions. The data plane is a set of components that executes functions in response to invocation requests. For resiliency and high availability, both the control plane and data plane components are distributed across different availability domains and fault domains in a region. If one of the domains ceases to be available, the components in the remaining domains take over to ensure that function definition management and execution are not disrupted. When functions are invoked, they run in the subnets specified for the application to which the functions belong. For resiliency and high availability, best practice is to specify a regional subnet for an application (or alternatively, multiple AD- specific subnets in different availability domains). If an availability domain specified for an application ceases to be available, Oracle Functions runs functions in an alternative availability domain.

QUESTION 5

Which statements is incorrect with regards to the Oracle Cloud Infrastructure (OCI) Notifications service?

- A. Notification topics may be assigned as the action performed by an OCI Events configuration.
- B. OCI Alarms can be configured to publish to a notification topic when triggered.
- C. An OCI function may subscribe to a notification topic.
- D. A subscription can forward notifications to an HTTPS endpoint.
- E. A subscription can integrate with PagerDuty events.
- F. It may be used to receive an email each time an OCI Autonomous Database backup is completed.

Correct Answer: F

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