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Oracle Cloud Infrastructure Developer 2021 Associate

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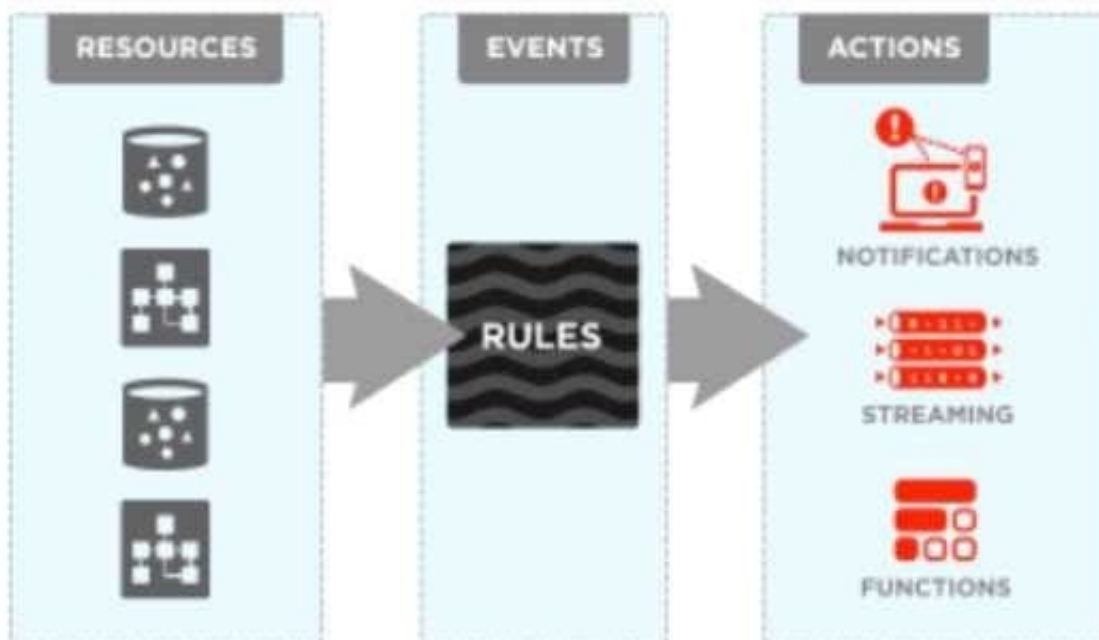
QUESTION 1

You are processing millions of files in an Oracle Cloud Infrastructure (OCI) Object Storage bucket. Each time a new file is created, you want to send an email to the customer and create an order in a database. The solution should perform and minimize cost, Which action should you use to trigger this email?

- A. Schedule a cron job that monitors the OCI Object Storage bucket and emails the customer when a new file is created.
- B. Use OCI Events service and OCI Notification service to send an email each time a file is created.
- C. Schedule an Oracle Function that checks the OCI Object Storage bucket every minute and emails the customer when a file is found.
- D. Schedule an Oracle Function that checks the OCI Object Storage bucket every second and emails the customer when a file is found.

Correct Answer: B

Oracle Cloud Infrastructure Events enables you to create automation based on the state changes of resources throughout your tenancy. Use Events to allow your development teams to automatically respond when a resource changes its state. Here are some examples of how you might use Events: Send a notification to a DevOps team when a database backup completes. Convert files of one format to another when files are uploaded to an Object Storage bucket. You can only deliver events to certain Oracle Cloud Infrastructure services with a rule. Use the following services to create actions: Notifications Streaming Functions



QUESTION 2

You have two microservices, A and B running in production. Service A relies on APIs from service B. You want to test changes to service A without deploying all of its dependencies, which includes service B.



Which approach should you take to test service A?

- A. Test against production APIs.
- B. Test using API mocks.
- C. There is no need to explicitly test APIs.
- D. Test the APIs in private environments.

Correct Answer: B

Testing using API mocks Developers are frequently tasked with writing code that integrates with other system components via APIs. Unfortunately, it might not always be desirable or even possible to actually access those systems during development. There could be security, performance or maintenance issues that make them unavailable ? or they might simply not have been developed yet. This is where mocking comes in: instead of developing code with actual external dependencies in place, a mock of those dependencies is created and used instead. Depending on your development needs this mock is made "intelligent" enough to allow you to make the calls you need and get similar results back as you would from the actual component, thus enabling development to move forward without being hindered by eventual unavailability of external systems you depend on

QUESTION 3

You are a consumer of Oracle Cloud Infrastructure (OCI) Streaming service. Which API should you use to read and process the stream?

- A. ListMessages
- B. GetMessages
- C. GetObject
- D. ReadMessages

Correct Answer: B

<https://docs.cloud.oracle.com/en-us/iaas/Content/Streaming/Concepts/streamingoverview.htm> Building consumers to read and process messages from a stream using the GetMessages API.

QUESTION 4

Which two statements accurately describe Oracle SQL Developer Web on Oracle Cloud Infrastructure (OCI) Autonomous Database?

- A. It is available for databases with dedicated Exadata infrastructure only.
- B. After provisioning into an OCI compute Instance, it can automatically connect to the OCI Autonomous Databases instances.
- C. It is available for databases with both dedicated and shared Exadata infrastructure.
- D. It provides a development environment and a data modeler interface for OCI Autonomous Databases.



E. It must be enabled via OCI Identity and Access Management policy to get access to the Autonomous Databases instances.

Correct Answer: AD

Oracle SQL Developer Web in Autonomous Data Warehouse provides a development environment and a data modeler interface for Autonomous Databases. SQL Developer Web is available for databases with both dedicated Exadata infrastructure and shared Exadata infrastructure.

<https://docs.cloud.oracle.com/enus/iaas/Content/Database/Tasks/adbtools.htm>

QUESTION 5

You are working on a cloud native e-commerce application on Oracle Cloud Infrastructure (OCI). Your application architecture has multiple OCI services, including Oracle Functions. You need to trigger these functions directly from other OCI services, without having to run custom code. Which OCI service cannot trigger your functions directly?

- A. OCI Events Service
- B. OCI Registry
- C. OCI API Gateway
- D. Oracle Integration

Correct Answer: B

Oracle Functions is a fully managed, multi-tenant, highly scalable, on-demand, Functions-as-a-Service platform. It is built on enterprise-grade Oracle Cloud Infrastructure and powered by the Fn Project open source engine. Use Oracle Functions (sometimes abbreviated to just Functions) when you want to focus on writing code to meet business needs. The serverless and elastic architecture of Oracle Functions means there's no infrastructure administration or software administration for you to perform. You don't provision or maintain compute instances, and operating system software patches and upgrades are applied automatically. Oracle Functions simply ensures your app is highly-available, scalable, secure, and monitored. With Oracle Functions, you can write code in Java, Python, Node, Go, and Ruby (and for advanced use cases, bring your own Dockerfile, and Graal VM).

You can invoke a function that you've deployed to Oracle Functions from:

-

The Fn Project CLI.

-

The Oracle Cloud Infrastructure SDKs.

-

Signed HTTP requests to the function's invoke endpoint. Every function has an invoke endpoint.

-

Other Oracle Cloud services (for example, triggered by an event in the Events service) or from external services. so You can then deploy your code, call it directly or trigger it in response to events, and get billed only for the resources consumed during the execution. Below are the oracle services that can trigger Oracle functions -Events Service -Notification Service -API Gateway Service -Oracle Integration service(using OCI Signature Version 1 security policy) so



OCI Registry services cannot trigger your functions directly

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