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Oracle Cloud Infrastructure 2022 Architect Professional

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QUESTION 1

A consulting company that employs Oracle Cloud Infrastructure (OCI) architects has successfully completed resource migration from Microsoft Azure to OCI, and no longer requires the OCI FastConnect circuit to Azure. The project manager has asked you to delete all resources involved in this inter-cloud connectivity. From the Azure side, you delete the Resource Group. After a while, you notice that all Azure resources have been deleted, except for the Azure ExpressRoute circuit.

What could be a potential reason for this issue?

- A. You need to first delete the OCI FastConnect circuit for the ExpressRoute circuit to be decommissioned, and then you can delete the ExpressRoute virtual circuit.
- B. Your bill from the OCI side needs to be paid in full before you can remove the Azure ExpressRoute circuit.
- C. You need to remove all routes that point to the inter-cloud connection on both OCI and Azure before you can delete the circuit.
- D. You need to remove the Azure ExpressRoute Partner Service Key from the OCI FastConnect circuit, and then you can delete the ExpressRoute virtual circuit.

Correct Answer: A

QUESTION 2

A global retailer is setting up the cloud architecture to be deployed in Oracle Cloud infrastructure (OCI) which will have thousands of users from two major geographical regions: North America and Asia Pacific. The requirements of the services are:

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Service needs to be available 27/7 to avoid any business disruption

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North American customers should be served by application running in North American regions

*

Asia Pacific customers should be served by applications running in Asia Pacific regions

*

Must be resilient enough to handle the outage of an entire OCI region

A.

OCI DNS, Traffic Management with Failover steering policy

B.

OCI DNS, Traffic Management with Geolocation steering policy. Health Checks

C.

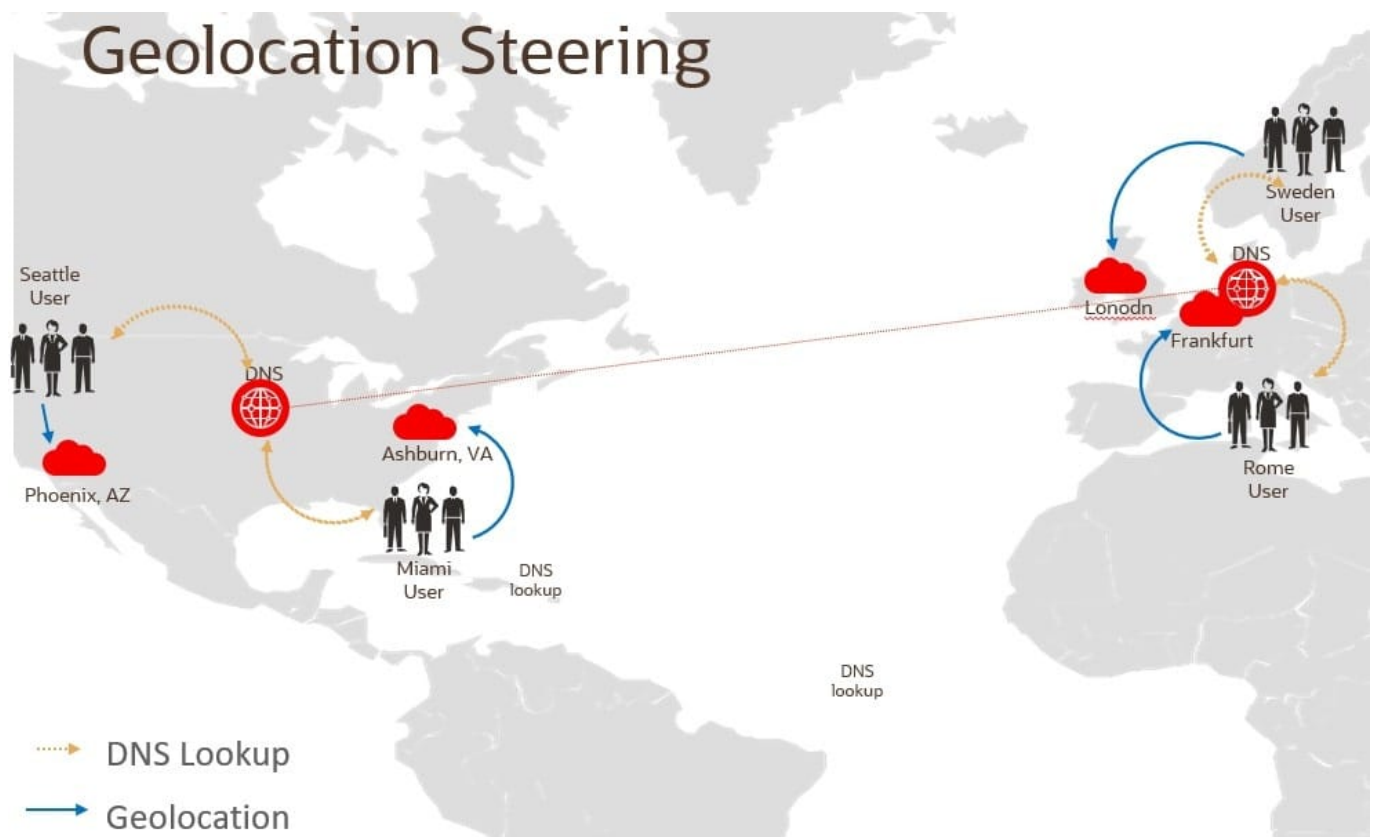
OCI DNS, Traffic Management with Geolocation steering policy

D.

OCI DNS, Traffic Management with Load Balancer steering policy, Health Checks

Correct Answer: B

GEOLOCATION STEERING Geolocation steering policies distribute DNS traffic to different endpoints based on the location of the end user. Customers can define geographic regions composed of originating continent, countries or states/provinces (North America) and define a separate endpoint or set of endpoints for each region. Combine with Oracle Health Checks to fail over from one region to another



QUESTION 3

You are designing the network infrastructure for two application servers: appserver-1 and appserver-2 running in two different subnets inside the same Virtual Cloud Network (VCN) Oracle Cloud Infrastructure (OCI). You have a requirement where your end users will access appserver-1 from the internet and appserver-2 from the on-premises network. The on-premises network is connected to your VCN over a FastConnect virtual circuit.

How should you design your routing configuration to meet these requirements?

A. Configure a single routing table (Route Table-1) that has two set of rules. One that has route to internet via the internet Gateway and another that propagate specific routes for the on-premise network via the Dynamic Routing Gateway. Associate the routing table with all the VCN subnets.

B. Configure a single routing table (Routing Table-1) that has two set of rules: one that has route to internet via the Internet Gateway and another that propagates specific routes for the on-premises network via Dynamic Routing Gateway (DRG). Associate the routing table with the VCN.

C. Configure two routing tables: Route Table-1 that has a route to internet via the Internet gateway. Associate this route table to the subnet containing appserver-1. Route Table-2 that propagate specific routes for the on-premises network via the Dynamic Routing Gateway (DRG) Associate this route table to subnet containing appserver-2.

D. Configure two routing table (Route table-1 Route Table-2) that have rule to route all traffic via the Dynamic Routing Gateway (DRG) Associate the two routing tables with all the VCN subnets.

Correct Answer: C

An internet gateway is an optional virtual router you can add to your VCN to enable direct connectivity to the internet. Resources that need to use the gateway for internet access must be in a public subnet and have public IP addresses. Each public subnet that needs to use the internet gateway must have a route table rule that specifies the gateway as the target. For traffic to flow between a subnet and an internet gateway, you must create a route rule accordingly in the subnet's route table (for example, destination CIDR = 0.0.0.0/0 and target = internet gateway). Dynamic Routing Gateway (DRG) is A virtual edge router attached to your VCN. Necessary for private peering. The DRG is a single point of entry for private traffic coming in to your VCN,After creating the DRG, you must attach it to your VCN and add a route for the DRG in the VCN's route table to enable traffic flow.

QUESTION 4

A startup company is looking for a solution for processing of data transmitted by the IOT devices fitted to transport vehicles that carry frozen foods. The data should be consumed and processed in real time. The processed data should be archived to OCI Object Storage bucket. and use Autonomous Data warehouse (ADW) to handle analytics.

Which architecture will help you meet this requirement?

A. Use OCI Streaming Service to collect the incoming biometric data. Use an open source Hadoop cluster to analyze the data horn streaming service. Store the results to OCI Autonomous Data warehouse (ADW) to handle complex analytics

B. Use OCI Streaming Service to collect the incoming biometric data. Use Oracle Functions to process the date and show the results on a real-time dashboard and store the results lo OCI Object Storage Store the data In OCI Autonomous Data warehouse (ADW) to handle analytics.

C. Create an OCI Object Storage bucket to collect the incoming biometric data from the smart pet collar Fetch the data horn OC\ Object storage to OCI Autonomous Data Warehouse (ADW) every day and run analytics Jobs with it

D. Launch an open source Hadoop cluster to collect the Incoming biometrics data Use an Open source Fluentd cluster to analyze the- data me results to OCI Autonomous Transaction Processing (ADW)to handle complex analytics

Correct Answer: B

Real-time processing of high-volume streams of data

-OCI Streaming service provides a fully managed, scalable, durable storage option for continuous, highvolume streams of data that you can consume and process in real-time

-Use cases Log and Event data collection Web/Mobile activity data ingestion IoT Data streaming for processing and alerts Messaging: use streaming to decouple components of large systems

-Oracle managed service with REST APIs (Create, Put, Get, Delete)

-Integrated Monitoring

QUESTION 5

You have been asked to review some network proposals by a major client. The client's IT director needs to provision two Virtual Cloud Network (VCN) for a major application. Both applications use a large number of virtual machine instances, and so will ideally occupy VCNs with as many address spaces as possible. Additionally, in the future, VCN peering will be required to allow communication between the VCNs.

Which of the following are valid IP ranges to consider for the VCNs?

- A. 10.0.0.0/24 and 10.0.1.0/24
- B. 10.0.1.0/24 and 10.0.1.0/27
- C. 10.0.0.0/16 and 10.0.64.0/24
- D. 10.0.0.0/8 and 11.0.0.0/8

Correct Answer: A

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