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Oracle Cloud Infrastructure 2021 Architect Professional

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QUESTION 1

You have deployed a web application targeting a global audience across multiple Oracle Cloud

Infrastructure (OCI) regions.

You decide to use Traffic Management Geo-Location based Steering Policy to serve web requests to

users from the region closets to the user. Within each region you have deployed a public load balancer

with 4 servers in a backend set. During a DR test disable all web servers in one of the regions however,

traffic Management does not automatically direct all users to the other region.

Which two are possible causes?

A. You did not setup a Route Table associated with load Balancer\'s subnet

B. You did not setup an HTTP Health Check associated with Load Balancer public IP in the disabled region.

C. Rather than using Geo-Location based Steering Policy, you should use Failover Policy Type to serve traffic.

D. One of the two working web servers In the other region did not pass Its HTTP health check

E. You did not correctly setup the Load Balancer HTTP health check policy associated with backend set

Correct Answer: BE

Managing Traffic Management GEOLOCATION Steering Policies 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. The Health Checks service allows you to monitor the health of IP addresses and hostnames, as measured from geographic vantage points of your choosing, using HTTP and ping probes. After configuring a health check, you can view the monitor\'s results. The results include the location from which the host was monitored, the availability of the endpoint, and the date and time the test was performed. Also you can Combine Managing Traffic Management GEOLOCATION Steering Policies with Oracle Health Checks to fail over from one region to another The Load Balancing service provides health status indicators that use your health check policies to report on the general health of your load balancers and their components. if you misconfigure the health check Protocol between the Load balancer and backend set that can lead to not get an accurate response as example below If you run a TCP-level health check against an HTTP service, you might not get an accurate response. The TCP handshake can succeed and indicate that the service is up even when the HTTP service is ly configured or having other issues. Although the health check appears good customers might experience transaction failures.

QUESTION 2

You work for a bank as the lead Oracle Cloud Infrastructure architect. You designed a highly scalable solution for your company\'s banking application. The architecture includes a load balancer, application servers with autoscaling configuration based on CPU utilization, and an Autonomous Database with Transaction Processing workload type running in a Virtual Cloud Network (VCN). During the peak utilization period, the application users complain that the application runs slow. What are two possible reasons for the application running slow at times? (Choose two.)

A. The VCN does not have a Network Security Group configured to allow traffic from the load balancer to all the application servers in the backend set.

B. Instance pool in autoscaling configuration for the application servers did not scale out due to compartment quota breach of the VM shapes used by the application servers.

C. The load balancer is not configured correctly to send traffic to all the listeners of the application servers in the backend set.

D. Instance pool in autoscaling configuration for the Autonomous Database did not scale out due to misconfigured scaling policy.

E. Instance pool in autoscaling configuration for the application servers did not scale out due to service limit breach of the VM shapes used by the application servers.

Correct Answer: BE

QUESTION 3

An Oracle Cloud Infrastructure (OCI) Public Load Balancer\\'s SSL certificate is expiring soon. You noticed

the Load Balancer is configured with SSL Termination only. When the certificate expires, data traffic can

be interrupted and security compromised.

What steps do you need to take to prevent this situation?

A. Add the new SSL certificate to the Load Balancer, update backend servers to work with a new certificate and edit listeners so they can use the new certificate bundle.

B. Add the new SSL certificate to the Load Balancer, update listeners and backend sets so they can use the new certificate bundle.

C. Add the new SSL certificate to the Load Balancer and implement end to end SSL so it can encrypt the traffic from clients all the way to the backend servers.

D. Add the new SSL certificate to the Load Balancer and update backend servers to use the new certificate bundle.

E. Add the new SSL certificate to the Load Balancer and update listeners to use the new certificate bundle.

Correct Answer: A

https://docs.cloud.oracle.com/en-us/iaas/Content/Balance/Tasks/managingcertificates.htm

QUESTION 4

A large financial services company has used 2 types of Oracle DB Systems. In Oracle Cloud Infrastructure

(OCI) to store user data.

One is running on a VM.Standard2.8 shape and the other on a VM.Standard 2.4 shape.

As business grows, data is growing rapidly on both the databases and performance is also degrading.

The company wants to address this problem with a viable and economical solution.

As the solution architect for that company you have suggested that they move their databases to

Autonomous Transaction Processing Serverless (ATP-S) database.

Which two factors should you consider before you arrived at that recommendation?

A. You verified that ATP S supports the database features and options currently being used by the 2 databases.

B. Validate that ATP-S will support the storage and processing requirements for the 2 databases over the life cycle of the business applications.

C. Confirm that ATP-S allows customers to compress tablespaces to reduce storage costs

D. Upon provisioning, ATP-S automatically scales up CPU to meet the application\'s processing requirements.

Correct Answer: AB

Not all features present in Oracle Database Enterprise Edition are available in ATP, and some some Oracle Database features are restricted, for example, database features designed for administration are not available. so you need to validate it first, You can find a complete list of the features that are not supported, https://docs.oracle.com/en/cloud/paas /atp-cloud/atpug/experienced-database-users.html#GUID58EE6599-6DB4-4F8E-816D-0422377857E5 Also, you must specify the initial storage required for your database but ADB is elastic, so it is possible to grow or shrink your database as needed.

QUESTION 5

Your customer has gone through a recent reorganization. As part of this change, they are organizing their Oracle Cloud Infrastructure (OCI) compartment structure to align with the company\'s new organizational structure. (Refer to the exhibit)
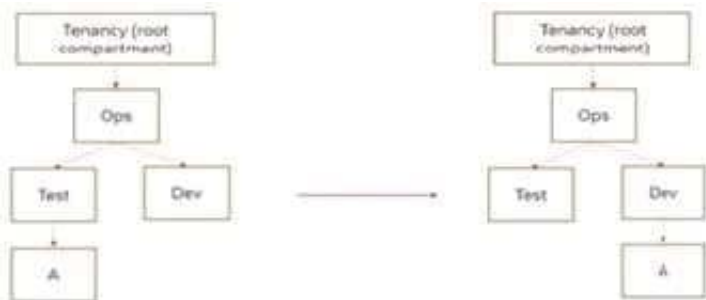
They have made the following change: Compartment A is moved, and its new parent compartment is compartment Dev. Policy defined in compartment A: Allow group G1 to manage instance-family in compartment A Policy defined in root compartment: Allow group admins to manage instance-family in compartment Ops: Test: A After the compartment move, which action will provide users of group G1 and admins with similar privileges as before the move?

A. Define the following policy in compartment Dev: Allow group G1 to manage instance-family in compartment A

B. Define the following policies in compartment Dev: Allow group G1 to manage instance-family in compartment A Allow group admins to manage instance-family in compartment Ops: Dev: A

C. Define the following policy in compartment: Dev: Allow group admins to manage instance-family in compartment Ops: Dev: A

D. Mo change in any policy statement is required as all the policies associated with a compartment being moved is

automatically updated

Correct Answer: A

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