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Oracle Cloud Infrastructure 2019 Architect Professional

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QUESTION 1

You are working with a social media company as a solution architect. The media company wants to collect and analyze large amounts of data being generated from their websites and social media feeds to gain insights and continuously improve the user experience. In order to meet this requirement, you have developed a microservices application hosted on Oracle Container Engine for Kubernetes. The application will process the data and store the result to an Autonomous Data Warehouse (ADW) instance. Which Oracle Cloud Infrastructure (OCI) service can you use to collect and process a large volume of unstructured data in real time?

- A. OCI Events
- B. OCI Streaming
- C. OCI Resource Manager
- D. OCI Notifications

Correct Answer: B

QUESTION 2

An OCI Architect is working on a solution consisting of analysis of data from clinical trials of a pharmaceutical company. The data is being stored in OCI Autonomous Data Warehouse (ADW) having 8 CPU Cores and 70 TB of storage. The architect is planning to setup autoscaling to respond to dynamic changes in the workload. Which of the following needs to be considered while configuring auto scaling? Choose two

- A. Enabling auto scaling does not change the concurrency and parallelism settings
- B. Auto scaling also scales IO throughput linearly along with CPU
- C. The database memory SGA and PGA will not get affected by the changes in the number of CPUs during auto scaling
- D. The maximum CPU cores that will be automatically allocated for this database is 16 CPUs

Correct Answer: AB

Auto scaling is enabled by default when you create an Autonomous Database instance or you can use Scale Up/Down on the Oracle Cloud Infrastructure console to enable or disable auto scaling. With auto scaling enabled the database can use up to three times more CPU and IO resources than specified by the number of OCPUs currently shown in the Scale Up/Down dialog. When auto scaling is enabled, if your workload requires additional CPU and IO resources the database automatically uses the resources without any manual intervention required. Enabling auto scaling does not change the concurrency and parallelism settings for the predefined services IO throughput depends on the number of CPUs you provision and scales linearly with the number of CPUs.

QUESTION 3

Which three scenarios are suitable for the Oracle Infrastructure (OCI) Autonomous transaction Processing Server less (ATP-S) deployment?

- A. well established, online auction marketplace is running an application where there is database usage 24? but also



has peaks of activity that the hard to predict when the peaks happen, the total activities may reach 3 times the normal activity level

B. A small startup is deploying a new application for eCommerce and it requires database to store customers' transactions. The team is unsure of what the load will look like since it is a new application.

C. A midsize company is considering migrating its legacy on-premises MongoDB database to Oracle Cloud Infrastructure (OCI). The database has significantly higher workloads on weekends than weekdays.

D. A developer working on an internal project needs to use a database during work hours but doesn't need it during nights or weekends. The project budget requires her to keep costs low.

E. A manufacturing company is running Oracle E-Business Suite application on-premises. They are looking to move this application to OCI and they want to use a managed database offering for their database tier.

Correct Answer: ABD

MongoDB is a cross-platform document-oriented database program. Classified as a NoSQL database.

QUESTION 4

The Finance department of your company has reached out to you. They have customer sensitive data on compute instances in Oracle Cloud Infrastructure (OCI) which they want to store in OCI Storage for long term retention and archival.

To meet security requirements they want to ensure this data is NOT transferred over public internet, even if encrypted.

which they want to store in OCI Object Storage for long term retention and archival. To meet security requirements they want to ensure this data is NOT transferred over public internet, even if encrypted.

Which option meets these requirements?

A. Configure a NAT instance and all traffic between compute instances in private subnet should use this NAT instance with private IP as the route target.

B. Use NAT gateway with appropriate route table when transferring data. Then use NAT gateway's toggle (on/off) once data transfer is complete.

C. Use Service gateway with appropriate route table.

D. Use Storage gateway with appropriate firewall rule.

Correct Answer: C

Service Gateway is a virtual router that you can add to your VCN. It provides a path for private network traffic between your VCN and supported services in the Oracle Services Network (like Object Storage) so compute instances in a private subnet in your VCN can back up data to Object Storage without needing public IP addresses or access to the internet.



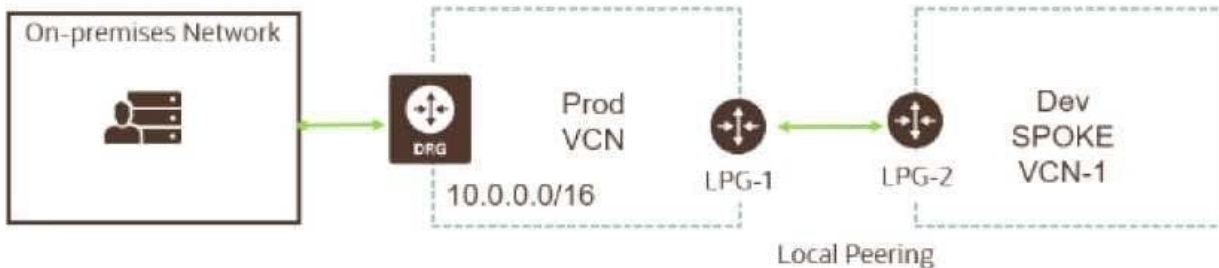
QUESTION 5

Your customer recently ordered for a 1-Gbps Fast Connect connection In ap-tokyo-1 region of Oracle Cloud Infrastructure (OCI). They will use this to one Virtual cloud Network (VCN) in their production (OC1) tenancy and VCN in their development OC1 tenancy. As a Solution Architect, how should you configure and architect the connectivity between on-premises and VCNs in OCI?

- A. Create two private virtual circuits on the FastConnect link. Create two Dynamic Routing Gateways, one for each VCN. Attach the virtual circuits to the dynamic routing gateways.
- B. You cannot achieve connectivity using single FastConnect link as the production and the development VCNs are in separate tenancies. Request one more FastConnect connection.
- C. Create a single private virtual circuit over FastConnect and attach fastConnect to either of the
- D. Create a hub-VCN that uses Dynamic Routing Gateway (DRG) to communicate with on-premises network over FastConnect. Connect the hub-VCN to the production VCN spoke and with development VCN spoke, each peered via their respective local Peering Gateway (LPG)

Correct Answer: D

There's an advanced routing scenario called transit routing that enables communication between an on-premises network and multiple VCNs over a single Oracle Cloud Infrastructure FastConnect or IPSec VPN. The VCNs must be in the same region and locally peered in a hub-and-spoke layout. As part of the scenario, the VCN that is acting as the hub has a route table associated with each LPG (typically route tables are associated with a VCN's subnets).



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