1Z0-997-22 Q&As

Oracle Cloud Infrastructure 2022 Architect Professional

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QUESTION 1

You have an application running in Microsoft Azure and want to use Oracle Autonomous Data warehouse (ADW) instance for running business analytics.

How can you build a secure solution for such a use-case?

A. Connect the Oracle ADW in your VCN to the Microsoft Azure VNet over the internet.

B. Create a software VPN connection between Oracle Cloud Infrastructure (OCI) Virtual Cloud Network (VCN) and Microsoft Azure Virtual Network (VNet) and connect the application with Oracle ADW instance.

C. Setup an interconnect between OCI and Microsoft Azure using FastConnect and ExpressRoute. Use a Service Gateway in OCI Virtual Cloud Network to provide connectivity to the Oracle ADW instance for the application in Microsoft Azure VNet.

D. Create a software Remote Peering Connection between Oracle Cloud Infrastructure (OCI) Virtual Cloud Network (VCN) and Microsoft Azure Virtual Network (VNet) and connect the application with Oracle ADW instance.

Correct Answer: C

QUESTION 2

Which three scenarios are suitable for the use of Oracle Cloud Infrastructure (OCI) Autonomous Transaction Processing - Serverless (ATP-S) deployment? (Choose three.)

A. A well-established, online auction marketplace is running an application where there is database usage 24x7, but also has peaks of activity that are hard to predict. When the peaks happen, the total activities may reach 3 times the normal activity level.

B. 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.

C. 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.

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

Correct Answer: ADE

QUESTION 3

An organization has its IT infrastructure in a hybrid setup with an on-premises environment and an Oracle Cloud Infrastructure (OCI) Virtual Cloud Network (VCN) in the us-phonix-1 region. The on-premise applications communications with compute instances inside the VPN over a hardware VPN connection. They are looking to

implement an Intrusion detected and Prevention (IDS/IPS) system for their OCI environment. This platform should have the ability to scale to thousands of compute of instances running inside the VCN. How should they architect their solution on OCI to achieve this goal?

A. Set up an OCI Private Load Balance! and configure IDS/IPS related health checks at TCP and/or HTTP level to inspect traffic

B. Configure each host with an agent that collects all network traffic and sends that traffic to the IDS/IPS platform to inspection

C. There Is no need to implement an IPS/IDS system as traffic coming over IPSec VPN tunnels Is already encrypt

D. Configure autoscaling on a compute Instance pool and set vNIC to promiscuous mode to called traffic across the vcn and send it IDS/IPS platform for inspection.

Correct Answer: B

in Transit routing through a private IP in the VCN you set up an instance in the VCN to act as a firewall or intrusion detection system to filter or inspect the traffic between the on- premises network and Oracle Services Network.

The Networking service lets you implement network security functions such as intrusion detection,

application-level firewalls In fact, the IDS model can be host-based IDS (HIDS) or network- based IDS (NIDS). HIDS is installed at a host to periodically monitor specific system logs for patterns of intrusions. In contrast, an NIDS sniffs the

traffic to analyze suspicious behaviors. A signature-based NIDS (SNIDS) examines the traffic for patterns of known intrusions. SNIDS can quickly and reliably diagnose the attacking techniques and security holes without generating an overwhelming number of false alarms because SNIDS relies on known signatures.

However, anomaly-based NIDS (ANIDS) detects unusual behaviors based on statistical methods. ANIDS

could detect symptoms of attacks without specific knowledge of details. However, if the training data of the

normal traffic are inadequate, ANIDS may generate a large number of false alarms.

QUESTION 4

A global media organization is working on a project which lets users upload their videos on their site. After upload is complete, the video should be automatically processed by an Al algorithm. The algorithm will try to recognize actions in the videos so that it can be used to show related advertisements in future. The development team wants to focus on writing Al code and don\\'t want to worry about underlying infrastructure for high-availability, scalability, security and monitoring.

Which OCI services should you recommend for this project?

A. Use OCI Events service for triggering automatic processing of video, Oracle Container Engine for Kubernetes (OKE) and OCI Digital Assistant

B. Use Oracle Container Engine for Kubernetes (OKE) for deployment of Al Code, OCI Notifications and Object Storage

C. Use OCI Resource Manager to manage the underlying infrastructure, OCI Functions and OCI Events service.

D. Use Object Storage for storing videos, OCI Events service and OCI Functions

Correct Answer: D

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 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.

You can create automation based on state changes for your Oracle Cloud Infrastructure resources by using event types, rules, and actions. When the function is executing inside the container, the function can read from and write to other resources and services running in the same subnet (for example, Database as a Service). The function can also read from and write to other shared resources (for example, Object Storage), and other Oracle Cloud Services.

QUESTION 5

You have two Virtual Cloud Networks (VCN) that need to be peered. The set up is as follows:

The VCNs are in different tenancies.

Peering has to be via Local Peering Gateway (LPG) because one of the VCNs needs to be added to an existing Hub and Spoke configuration that consists of a hub and two spokes.

There is a CIDR overlap. The VCN that serves as the Hub VCN has a 172.19.0.0/16 CIDR prefix. The other VCN to be added as a Spoke VCN has a 172.19.128.0/17 CIDR prefix.

The other two spokes have 10.0.0.0/16 and 192.168.0.0/16 prefixes, respectively.

What is a possible solution to this problem?

A. Use Dynamic Routing Gateway (DRG) instead.

B. Add another CIDR prefix to the VCN that is integrating with the Hub and Spoke and does not overlap. Use that CIDR for the LPG connection.

C. Review the subnets in the hub VCN. If they all have the third octet under 128, change the VCN prefix to /17.

D. Review the subnets in the hub VCN. If they all have the third octet above 128, change the VCN prefix to /17.

E. Review all subnets in the hub VCN. If one of them has the third octet at 128, change the VCN prefix to /17.

Correct Answer: B