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Oracle Cloud Infrastructure 2021 Architect Professional

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QUESTION 1

You have an Oracle database system in a virtual cloud network (VCN) that needs to be accessible on port 1521 from your on-premises network CIDR 172.17.0.0/24.

You have the following configuration currently.

Virtual cloud network (VCD) is associated with a Dynamic Routing Gateway (DRG), and DRG has an active IPSec connection with your on-premises data center.

Oracle database system is hosted in a private subnet

The private subnet route table has the following configuration The private subnet route table has following configuration.

0 Selected

- The private subnet security list has following **INGRESS** security rule.

	Stateless	Source	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows
<input type="checkbox"/>	Yes	172.17.0.0/24	TCP	All	1521		TCP traffic for ports: 1521

- The Oracle database system is part of a network security group with following security rules.

Add Rules Edit Remove

Direction	Source or Destination	Protocol	Details	Description
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However, you are still unable to connect to the Oracle Database system. Which action will resolve this issue?



A. Add an EGRESS rule in network security group as following.

Destination	Target Type	Target
0.0.0.0/0	Dynamic Routing Gateways	ASH-DRG

B. Add a route rule in the private subnet route table as following.

Destination	Target Type	Target
0.0.0.0/0	Dynamic Routing Gateways	ASH-DRG

C. Add an EGRESS rule in private subnet security list as following.

Stateless	Destination	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows
Yes	172.17.0.0/24	TCP	1521	All		TCP traffic for port s: All

D. Add an EGRESS rule in private subnet security list as following.

Stateless	Destination	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows
No	172.17.0.0/24	TCP	All	1521		TCP traffic for port s: 1521

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

QUESTION 2

There are two compartments: Networks and DevInstances

There are two groups: NetworkAdmins with a user named Nick, and Devs with a user named Dave The following IAM policies are being used:

Allow group NetworkAdmins to manage virtual-network-family in compartment Networks

Allow group NetworkAdmins to manage instance-family in compartment Networks

Allow group Devs to use virtual-network-family in compartment Networks

Allow group Devs to manage all-resources in compartment

DevInstances Nick creates a VCN in Networks compartment. Dave creates a VCN in DevInstances



compartment.

Which of the following statements is INCORRECT?

- A. Dave launches instances in DevInstances using the VCN in Networks compartment
- B. Nick cannot launch new instances in DevInstances compartment
- C. Nick launches instances in Networks using VCN in DevInstances compartment
- D. Dave cannot launch new instances in Networks compartment

Correct Answer: C

QUESTION 3

You are a solution architect working with a startup that has decided to move their workload to Oracle Cloud Infrastructure. Since their workload is small, upon architecting, you decide its sufficient to use 8 compute instances to run their workload. The company wants to use a common storage for their instances. So, you propose the idea of attaching a block volume to multiple instances to provide a common storage. Which of the below option is NOT true for such a solution?

- A. If the block volume is already attached to an instance as read/write non-shareable you can't attach it to another instance until you detach it from the first instance.
- B. Block volumes attached as read-only are configured as shareable by default.
- C. You can delete a block volume from one instance without detaching it from all other instances there by keeping other instance's storage intact.
- D. Once you attach a block volume to an instance as read-only, it can only be attached to other instances as read-only.

Correct Answer: C

QUESTION 4

An online registration system Is currently hosted on one large Oracle Cloud Infrastructure (OCI) Bare metal compute Instance with attached block volume to store of the users' dat

- A. The registration system accepts the Information from the user, Including documents and photos then performs automated verification and processing to check it the user is eligible for registration. The registration system becomes unavailable at tunes when there is a surge of users using the system the existing architecture needs improvement as it takes a long time for the system to complete the processing and the attached block volumes are not large enough to use data being uploaded by the users. Which Is the most effective option to achieve a highly scalable solution?
- B. Attach more Block volumes as the data volume increase, use Oracle Notification Service (ONS) to distribute tasks to a pool of compute instances working In parallel, and Auto Scaling to dynamically size the pool of Instances depending on the number of notifications received from the Notification Service. Use Resource Manager stacks to replicate your architecture to another region.
- C. Change your architecture to use an OCI Object Storage standard tier bucket, replace the single bare metal instance with a Oracle Streaming Service (OSS) to ingest the Incoming requests and distribute the tasks to a group of compute



Instances with Auto Scaling

D. Upgrade your architecture to use a pool of Bare metal servers and configure them to use their local SSDs for faster data access Set up Oracle Streaming Service (OSS) to distribute the tasks to the pool of Bare metal Instances with Auto Scaling to dynamically increase or decrease the pool of compute instances depending on the length of the Streaming queue.

E. Upgrade your architecture to use more Block volumes as the data volume Increases. Replace the single bare metal instance with a group of compute instances with Auto Scaling to dynamically increase or decrease the compute instance pools depending on the traffic.

Correct Answer: D

QUESTION 5

You are trying to troubleshoot the configuration of your Oracle Cloud Infrastructure (OCI) Load Balancing service. You have a backend HTTP service for which you have created a backend set in the load balancer. You have configured health checks for the backend set. Although the health checks appear good, customers sometimes experience transaction failures. Which of the following options will definitely lead to this problem?

A. You are NOT using regional subnets in your Virtual Cloud Network. With Availability Domain (AD) specific subnet. the compute instances of the backend service running in the subnet have issues when the AD is down.

B. You are using OCI Domain Name System. You have misconfigured the 'A' record with the wrong IP address leading to requests not getting routed correctly.

C. You are using iSCSI for block volume attachment to the compute instances in your backed HTTP service. TCP/IP configuration of your block volume attachment is not configured correctly, leading to issues in your backend service.

D. You are running a TCP-level health check against your HTTP service. The TCP handshake can succeed and indicate that the service is up even when the HTTP service has issues.

Correct Answer: D

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