



# 1Z0-997-22<sup>Q&As</sup>

Oracle Cloud Infrastructure 2022 Architect Professional

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### QUESTION 1

A hospital in Austin has hosted its web based medical records portal entirely In Oracle cloud Infrastructure (OCI) using Compute Instances for its web-tier and DB system database for its data tier. To validate compliance with Health Insurance Portability and Accountability (HIPAA), the security professional to check their systems it was found that there are a lot of unauthorized coming requests coming from a set of IP addresses originating from a country in Southeast Asia.

Which option can mitigate this type of attack?

- A. Block the attacking IP address by creating by Network Security Group rule to deny access to the compute Instance where the web server is running
- B. Block the attacking IP address by implementing a OCI Web Application Firewall policy using Access Control Rules
- C. Mitigate the attack by changing the Route table to redirect the unauthorized traffic to a dummy Compute instance
- D. Block the attacking IP address by creating a Security List rule to deny access to the subnet where the web server is running

Correct Answer: B

WAF can protect any internet facing endpoint, providing consistent rule enforcement across a customer's applications. WAF provides you with the ability to create and manage rules for internet threats including Cross-Site Scripting (XSS), SQL Injection and other OWASP-defined vulnerabilities. Unwanted bots can be mitigated while tactically allowing desirable bots to enter. Access rules can limit based on geography or the signature of the request. As a WAF administrator you can define explicit actions for requests that meet various conditions. Conditions use various operations and regular expressions. A rule action can be set to log and allow, detect, or block requests

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### QUESTION 2

A2Z corporation is into e-commerce business and is the choice of millions for the best offers it launches. It has a rich set of intelligent applications that runs 24x7 and are very critical to their business.

Continuous infrastructure management and maintenance, rise in customer base and workloads, have made them to think of migrating all workloads to cloud. They have selected Oracle Cloud Infrastructure for migrating both their application

and database workload.

You, as an oracle pre-sales consultant has been asked to provide complete migration strategy for their source database workloads which includes oracle and MSSQL. They are particularly concerned about their oracle databases which

cannot afford any downtime. They would be establishing fast connect from their data center to oracle data center to avoid any network impact. Their oracle database is around 90TB and MSSQL is around 10TB.

How would you propose the safe migration of customer database while meeting their availability requirement?

- A. Propose the use of zero-downtime migration tool for oracle database and use combination of SQL Developer and Oracle SQL Loader for MSSQL migration
- B. Propose the use of Oracle datapump for oracle databases and SQL Developer for MSSQL database



C. Propose the use of zero-downtime migration tool for oracle database and use combination of SQL Developer and Oracle GoldenGate for MSSQL migration

D. Propose the use of Oracle GoldenGate to perform zero downtime migration for both MSSQL and Oracle source databases

Correct Answer: C

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### QUESTION 3

You are working on the migration of the web application infrastructure of your company from on-premises to Oracle Cloud Infrastructure. You need to ensure that the DNS cache entries of external clients will not direct them to the on-premises infrastructure after switching to the new infrastructure.

Which of the following options will minimize this problem?

A. Reduce the TTL of the DNS records after the switch.

B. DNS changes propagate fast enough that it is not necessary to take any action.

C. Increase the TTL of the DNS records before the switch.

D. Increase the TTL of the DNS records after the switch.

E. Reduce the TTL of the DNS records before the switch.

Correct Answer: E

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### QUESTION 4

A customer has a Virtual Machine instance running in their Oracle Cloud Infrastructure tenancy. They realized that they wrongly picked a smaller shape for their compute instance. They are reaching out to you to help them fix the issue. Which of the below options is best recommended to suggest to the customer?

A. Delete the running instance and spin up a new instance with the desired shape.

B. Change the shape of instance without reboot, but stop all the applications running on instance beforehand to prevent data corruption.

C. Change the shape of the virtual machine instance using the Change Shape feature available in the console.

D. OCI doesn't allow such an operation.

Correct Answer: C

You can change the shape of a virtual machine (VM) instance without having to rebuild your instances or redeploy your applications. This lets you scale up your Compute resources for increased performance, or scale down to reduce cost. When you change the shape of an instance, you select a different processor, number of cores, amount of memory, network bandwidth, and maximum number of VNICs for the instance. The instance's public and private IP addresses, volume attachments, and VNIC attachments remain the same.

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## QUESTION 5

You are responsible for migrating your on premises legacy databases on 11.2.0.4 version to Autonomous Transaction Processing Dedicated (ATP-D) In Oracle Cloud Infrastructure (OCI). As a solution architect, you need to plan your migration approach.

Which two options do you need to implement together to migrate your on premises databases to OCI?

- A. Use Oracle Data Guard to keep on premises database always active during migration
- B. Retain changes to Oracle shipped privileges, stored procedures or views In the on- premises databases.
- C. Use Oracle GoldenGate replication to keep on premises database online during migration.
- D. Convert on-premises databases to PDB, upgrade to 19c, and encrypt Migration.
- E. Retain all legacy structures and unsupported features (e.g. tab U>Bs) In the onuses databases for migration.

Correct Answer: CD

Autonomous Database is an Oracle Managed and Secure environment. A physical database can\\'t simply be migrated to autonomous because:

-Database must be converted to PDB, upgraded to 19c, and encrypted

-Any changes to Oracle shipped privileges, stored procedures or views must be removed

- All legacy structures and unsupported features must be removed (e.g. legacy LOBs) GoldenGate replication can be used to keep database online during migration

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