

New 1z0-915-1 Test Online - 1z0-915-1 Exam Learning



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Oracle 1z0-915-1 Exam Syllabus Topics:

Topic	Details
Topic 1	Read Replicas: For database architects and replication specialists, this domain of the exam covers creating and managing read replicas, describing the read replica load balancer, connecting to a read replica, etc.
Topic 2	Managing DB systems: For network administrators and cloud infrastructure specialists, this domain of the exam covers demonstrating a command of DRG and DRG Attachments, applying BGP in the OCI environment, evaluating OCI VPN Services, and validating the various FastConnect products from OCI.
Topic 3	MySQL HeatWave Service: For database administrators, cloud architects, and DevOps engineers, this section of the exam covers identifying key features and benefits, describing MySQL HeatWave architecture, defining MySQL HeatWave terminology, and identifying MySQL HeatWave limitations.
Topic 4	HeatWave Cluster: For database performance specialists and cloud architects, this section of the exam covers
Topic 5	Describe the architecture of the HeatWave cluster, adding a HeatWave cluster to a DB system, and determine whether a query is offloaded to HeatWave cluster for execution.
Topic 6	Backing up and restoring DB systems: For database administrators and disaster recovery specialists, this section of the exam covers backing up and restoring a DB system, managing automatic backups, and performing point-in-time recovery.
Topic 7	MySQL HeatWave Configurations: For database administrators and performance tuning specialists, this part of the exam covers creating custom configurations, comparing configurations, describing the effects of changing dynamic and non-dynamic variables, and updating a DB system configuration.
Topic 8	Provisioning and Connecting DB systems: For system administrators and database engineers, this part of the exam covers identifying VCN requirements for provisioning DB systems, connecting to DB systems with OCI Bastion, connecting to DB systems with MySQL Shell, connecting to DB systems with OCI Cloud Shell, connect to DB system with OCI SQL Worksheet, and authenticate DB system with OCI Identify Access Management credentials.

- Inbound Replication: For database administrators and replication experts, this section of the exam covers setting up and troubleshoot inbound replication and creating channels.

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Oracle MySQL HeatWave Implementation Associate Rel 1 Sample Questions (Q34-Q39):

NEW QUESTION # 34

Which operation is necessary before enabling a MySQL HeatWave cluster?

- A. Offload the data to object storage to facilitate reloading into the cluster.
- B. Start Cloud Shell in OCI Console connected to the DB system's network.
- C. Create all the schemas and tables in the DB system but do not load the data.
- **D. Create a DB system with a HeatWave shape.**

Answer: D

Explanation:

Before enabling a MySQL HeatWave cluster, you must create a DB system with a HeatWave shape (Answer D). The HeatWave shape includes the necessary resources and configuration to support the HeatWave in-memory query accelerator.

Steps:

- * Create a MySQL DB system in OCI Console.
- * Choose a HeatWave shape during the DB system creation process.
- * Once the DB system is created, you can enable and configure the HeatWave cluster.

References:

- * MySQL HeatWave Documentation

NEW QUESTION # 35

You create a MySQL DB system with default port numbers, and attach it to a subnet.

Which configuration is required on the subnet to enable client applications to connect to the DB system?

- A. Create an egress rule that allows stateless connections on port 3306 and 33060.
- **B. Create an ingress rule that allows stateful connections on port 3306 and 33060.**
- C. Create an egress rule that allows stateful connections on port 3306 and 33060.
- D. Create an ingress rule that allows stateless connections on port 3306 and 33060.

Answer: B

Explanation:

To enable client applications to connect to a MySQL DB system that uses default port numbers and is attached to a subnet, you need to create an ingress rule that allows stateful connections on port 3306 and 33060 (Answer B).

* Ingress Rule: An ingress rule specifies the types of inbound connections that are allowed to a resource within a subnet.

* Stateful Connections: Stateful connections keep track of the state of network connections passing through them, allowing return traffic to pass automatically.

Steps:

- * Navigate to the Virtual Cloud Network (VCN) in the OCI Console.
- * Open the subnet to which the MySQL DB system is attached.
- * Add an ingress rule to the subnet's security list to allow traffic on port 3306 (MySQL) and 33060 (MySQL X Protocol).

* Ensure the rule is stateful to maintain the connection state.

References:

* OCI Networking Documentation

* MySQL X Protocol Documentation

NEW QUESTION # 36

Which is true about exporting data to Object Storage with MySQL Shell util.dumpInstance?

- A. You must have a valid OCI CLI configuration.
- B. You must specify ociInds: true.
- C. You must provide an OCI username and password to gain write access to Object Storage.
- **D. You must specify ociParManifest: true.**

Answer: D

Explanation:

When exporting data to Object Storage with MySQL Shell util.dumpInstance, you must specify ociParManifest: true (Answer B). This option creates a pre-authenticated request (PAR) manifest file, which allows for secure access and upload to Object Storage without requiring direct credentials.

References:

* MySQL Shell Documentation

* OCI Object Storage Documentation

NEW QUESTION # 37

A query is not offloaded to the HeatWave cluster for execution. Which three are possible reasons? (Choose three.)

- A. The user does not have privileges to access the HeatWave cluster.
- **B. A required column is excluded from the RAPID secondary engine.**
- **C. The use_secondary_engine session variable is OFF.**
- D. The query estimated cost is less than the query cost threshold.
- **E. The client is connected to the DB system instead of the HeatWave cluster.**

Answer: B,C,E

Explanation:

A query may not be offloaded to the HeatWave cluster for execution due to the following reasons:

A: The use_secondary_engine session variable is OFF: This setting controls whether queries should be offloaded to the secondary engine (HeatWave). B: The client is connected to the DB system instead of the HeatWave cluster: For queries to be offloaded, the client must be connected to the HeatWave cluster. E: A required column is excluded from the RAPID secondary engine: If a necessary column is not available in the HeatWave (RAPID) secondary engine, the query cannot be offloaded.

NEW QUESTION # 38

Which two are available when creating a new MySQL DB system in OCI Console? (Choose two.)

- **A. Standalone server**
- B. Lakehouse
- C. Read replica
- **D. High availability**
- E. HeatWave cluster

Answer: A,D

Explanation:

When creating a new MySQL DB system in the OCI Console, you have the following options:

* High availability (Answer A): This option allows you to create a DB system that can automatically fail over to a standby instance in case of hardware or software failure, ensuring minimal downtime.

* Standalone server (Answer C): This option lets you create a DB system with a single instance, suitable for workloads that do not require high availability or read replicas.

- * OCI MySQL Database Service Documentation
- * MySQL High Availability

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