

2026 Oracle The Best 1Z0-184-25: Oracle AI Vector Search Professional Dumps Free



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Oracle 1Z0-184-25 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Building a RAG Application: This section assesses the knowledge of AI Solutions Architects in implementing retrieval-augmented generation (RAG) applications. Candidates will learn to build RAG applications using PLSQL and Python to integrate AI models with retrieval techniques for enhanced AI-driven decision-making.
Topic 2	<ul style="list-style-type: none">Using Vector Indexes: This section evaluates the expertise of AI Database Specialists in optimizing vector searches using indexing techniques. It covers the creation of vector indexes to enhance search speed, including the use of HNSW and IVF vector indexes for performing efficient search queries in AI-driven applications.
Topic 3	<ul style="list-style-type: none">Using Vector Embeddings: This section measures the abilities of AI Developers in generating and storing vector embeddings for AI applications. It covers generating embeddings both inside and outside the Oracle database and effectively storing them within the database for efficient retrieval and processing.

1Z0-184-25 Mock Exams - VCE 1Z0-184-25 Exam Simulator

Preparing for the 1Z0-184-25 exam can be a daunting task, but with real 1Z0-184-25 exam questions, it can be a lot easier. The importance of actual Oracle AI Vector Search Professional (1Z0-184-25) questions cannot be overemphasized. 1Z0-184-25 Real Questions are crucial for passing the 1Z0-184-25 exam. When candidates have access to the updated Oracle 1Z0-184-25 practice test questions, they are better prepared to succeed.

Oracle AI Vector Search Professional Sample Questions (Q38-Q43):

NEW QUESTION # 38

What security enhancement is introduced in Exadata System Software 24ai?

- **A. Enhanced encryption algorithm for data at rest**
- B. SNMP security (Security Network Management Protocol)
- C. Integration with third-party security tools

Answer: A

Explanation:

Exadata System Software 24ai (noted in context beyond 23ai) introduces an enhanced encryption algorithm for data at rest (B), strengthening security for stored data, including vectors. Third-party integration (A) isn't highlighted as a 24ai feature. SNMP security (C) relates to network monitoring, not a primary Exadata enhancement. Oracle's Exadata documentation for 24ai emphasizes advanced encryption as a key security upgrade.

NEW QUESTION # 39

What happens when querying with an IVF index if you increase the value of the NEIGHBOR_PARTITIONS probes parameter?

- A. The number of centroids decreases
- **B. More partitions are probed, improving accuracy, but also increasing query latency**
- C. Index creation time is reduced
- D. Accuracy decreases

Answer: B

Explanation:

The NEIGHBOR_PARTITIONS parameter in Oracle 23ai's IVF index controls how many partitions are probed during a query. Increasing this value examines more clusters, raising the probability of finding relevant vectors, thus improving accuracy (recall). However, this increases computational effort, leading to higher query latency—a classic ANN trade-off. The number of centroids (A) is fixed during index creation and unaffected by query parameters. Accuracy does not decrease (B); it improves. Index creation time (C) is unrelated to query-time settings. Oracle's documentation on IVF confirms that NEIGHBOR_PARTITIONS directly governs this accuracy-latency balance.

NEW QUESTION # 40

What is a key characteristic of HNSW vector indexes?

- **A. They are hierarchical with multilayered connections**
- B. They use hash-based clustering
- C. They require exact match for searches
- D. They are disk-based structures

Answer: A

Explanation:

HNSW (Hierarchical Navigable Small World) indexes in Oracle 23ai (A) are characterized by a hierarchical structure with multilayered connections, enabling efficient approximate nearest neighbor (ANN) searches. This graph-based approach connects vectors across levels, balancing speed and accuracy. They don't require exact matches (B); they're designed for approximate searches. They're memory-optimized, not solely disk-based (C), though persisted to disk. Hash-based clustering (D) relates to other methods (e.g., LSH), not HNSW. Oracle's documentation highlights HNSW's hierarchical nature as key to its performance.

NEW QUESTION # 41

What is the primary difference between the HNSW and IVF vector indexes in Oracle Database 23ai?

- A. HNSW is partition-based, whereas IVF uses neighbor graphs for indexing
- B. HNSW guarantees accuracy, whereas IVF sacrifices performance for accuracy
- C. Both operate identically but differ in memory usage
- **D. HNSW uses an in-memory neighbor graph for faster approximate searches, whereas IVF uses the buffer cache with partitions**

Answer: D

NEW QUESTION # 42

Which PL/SQL package is primarily used for interacting with Generative AI services in Oracle Database 23ai?

- A. DBMS_VECTOR_CHAIN
- B. DBMS_GENAI
- **C. DBMS_AI**
- D. DBMS_ML

Answer: C

Explanation:

Oracle Database 23ai introduces DBMS_AI as the primary PL/SQL package for interacting with Generative AI services, such as OCI Generative AI, enabling features like natural language query processing (e.g., Select AI) and AI-driven insights. DBMS_ML (B) focuses on machine learning model training and management, not generative AI. DBMS_VECTOR_CHAIN (C) supports vector processing workflows (e.g., document chunking, embedding), but it's not the main interface for generative AI services. DBMS_GENAI (D) is not a recognized package in 23ai documentation. DBMS_AI's role is highlighted in Oracle's AI integration features for 23ai.

NEW QUESTION # 43

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