

1Z0-417 Dumps

Database Performance and Tuning Essentials 2015

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NEW QUESTION 1

For which one would you use an index fast full scan to improve performance?

- A. a query having all the columns of an index in the where clause
- B. a query that does not need to access table rows
- C. a query that needs to access table rows along with an index
- D. a column in an index that is compressed

Answer: A

Explanation:

All of the columns required by SQL must reside in the index tree; that is, all columns in the SELECT and WHERE clauses must exist in the index.

Reference: http://www.dba-oracle.com/t_index_fast_full_scan.htm

NEW QUESTION 2

Upon migration to Oracle Database 12c, a customer asked that monitoring at an individual database level be disabled in favor of database performance monitoring consolidated and centralized across their enterprise.

Which are two actions you would take to meet the customer's requirements?

- A. Disable Oracle Enterprise Manager Database Express by setting the HTTP Port to 0.
- B. For the always active Oracle Enterprise Manager Database Express process, create a script that will disable that process upon database boot.
- C. Using the appropriate architecture implement Oracle Enterprise Manager.
- D. Delete the "express" directory in Oracle Home to disable Oracle Enterprise Manager Database Express.
- E. Changes permissions of the "express" directory to real only by root.
- F. Enable SNMP and configure MIBS on each database and forward database monitoring SNMP traps.

Answer: BE

NEW QUESTION 3

As of Oracle Database 12c, which functionality to access database diagnostic and performance has been superseded by Oracle Enterprise Manager Database Express?

- A. SQL Developer
- B. SQL Plus
- C. Database console
- D. SQL Express
- E. Grid Control

Answer: C

Explanation:

Reference: <http://dbaora.com/enterprise-manager-database-express-oracle-database-12c-release-1-12-1/>

NEW QUESTION 4

When planning Oracle Database Architecture, which option can be used to reduce the number of Oracle processes waiting in the Operating System run queue and to ensure that database CPU load is healthy?

- A. Exadata
- B. Oracle Job Scheduler
- C. DATABASE_MAXCPUS=YES
- D. Oracle Database Resource Manager
- E. DB_RAC_MAXCPU=YES
- F. Oracle Grid Control

Answer: D

Explanation:

Reference: <http://www.oracle.com/technetwork/database/performance/resource-manager-twp-133705.pdf>

NEW QUESTION 5

You need to load SQL statements from a time period of optimal performance to compare against a time period that performance was reported as poor. Which functionality would you use to accomplish that task?

- A. Optimizer Statistics Comparator
- B. Dynamic Baseline Advisor
- C. Automatic Workload Repository Baselines
- D. SQL Tuning Sets
- E. Database Replay

Answer: D

NEW QUESTION 6

An advanced fault diagnostic infrastructure introduced as of Oracle Database 11g, assigns an incident number and diagnostic data when a critical error occurs. What is the feature and where does it store that data?

- A. Oracle Enterprise Manage
- B. Data is stored in the OEM Repository.
- C. MyOracle Suppor
- D. Data is stored in Oracle Cloud.
- E. Automatic Workload Repositor
- F. Data is stored in views inside the Oracle database.
- G. Automatic Diagnostic Repositor
- H. Data is stored in views inside the Oracle database.
- I. Automatic Diagnostic Repositor
- J. Data is stored in a file-based repository outside the database.

Answer: E

Explanation:

The data is then stored in the Automatic Diagnostic Repository (ADR) — a file-based repository outside the database
Reference: https://docs.oracle.com/cd/B28359_01/server.111/b28310/diag001.htm

NEW QUESTION 7

Which two could Oracle Database Replay is used to validate performance?

- A. applying workload to an application after an operating system patch
- B. applying a workload from one database release to another database release
- C. moving a workload from a single database instance and applying it to an Oracle Real Application Cluster(RAC)
- D. to check and compare if a specific set of SQL statements have regressed between two different databasereleases
- E. to find the least-used SQL statement

Answer: AC

NEW QUESTION 8

Which is a capability that Active Session History (ASH) reports enable you to perform?

- A. Compare database performance between two periods of time, and resolve performance degradation that may happen from one time period to another.
- B. Analyze transient performance problems with the database that are short-lived and do not appear in the ADDM analysis.
- C. Optimize the performance of data access paths by creating the proper set of materialized views, materialized view logs, and indexes for a given workload.
- D. Analyze transient performance problems that have happened in the database since it has been started.

Answer: A

NEW QUESTION 9

Which is the default statistics gathering period for Automatic Database Diagnostics Monitoring (ADDM)?

- A. every 30 seconds
- B. every 60 minutes
- C. every 30 minutes
- D. every 24 hours
- E. every 40 hours

Answer: A

NEW QUESTION 10

Which is a prerequisite for using an Oracle Database Performance and Tuning solution?

- A. Linux Operating system
- B. 8 GB of memory
- C. Oracle Database Enterprise Edition
- D. Oracle Enterprise Manager
- E. deep knowledge of Oracle Storage subsystems

Answer: C

NEW QUESTION 10

What two statements are true when you are using SQL Tuning Advisor and create a SQL Profile to improve performance of a SQL statement issued by a packaged application?

- A. You need to regularly run SQL Tuning Advisor to verify if the SQL Profile can be replaced with a better one.
- B. After a SQL Profile is created, it will then run efficiently for the life of the database.
- C. The SQL Profile rewrites the SQL Statement issued by the application so it appears to the Optimizer as a perfectly written SQL statement.
- D. You can have only one SQL Profile active at one time for a single SQL statement.
- E. You need Oracle Database 12c or later to use SQL Profiles.
- F. SQL Profiles can be used for non-Oracle databases like Microsoft SQL Server, if the Tuning Pack is licensed.

Answer: AE

NEW QUESTION 11

Which are three practices that developers can use to enhance performance, scalability, and availability of Oracle Database-driven applications?

- A. Implement primary and foreign keys, enforce database integrity, joins, message queuing, maintenance of sequences outside of the database.

- B. Use Big Data to hold everything into one big table.
- C. Maintain and analyze performance statistics using AWR and ADDM.
- D. Eliminate hot spots in applications, monitor, measure, and optimize SQL statement execution.
- E. Perform testing with Real Application Testing.

Answer: ACE

NEW QUESTION 16

Which option do customers need to license in order to implement SQL Performance Analyzer and Database Replay functionalities?

- A. Oracle Database Diagnostics Pack for Oracle Database
- B. Oracle Database Replay and Testing Suite
- C. Oracle SQL Developer
- D. Oracle Real Application Testing
- E. Oracle SQL Tuning Pack for Oracle Database

Answer: D

Explanation:

Reference: https://docs.oracle.com/cd/B19306_01/license.102/b14199/options.htm

NEW QUESTION 21

To isolate performance problem in an Oracle real Application Cluster, for which two abilities would you implement Oracle Diagnostics Pack for Oracle Databases?

- A. Cluster-wide performance analysis and reports with ADDM on issues that affect an entire database as well as its individual instances.
- B. Database-wide analysis of global resources by ADDM for high-load SQL, global cache interconnect traffic, and skew in instance response times.
- C. ADDM X\$ and V\$ performance analysis and reports that compare the overall RAC Database to the sum of its individual database instances.
- D. ADDM recommendations inclusive of SAN and NFS mounted storage to pinpoint issues within the storage cache.
- E. ADDM's ability to review SNMP trap error messages and automatically open trouble tickets.

Answer: CD

NEW QUESTION 23

Which option would you use to capture workloads from one or more systems concurrently and then play them back?

- A. Automatic Workload Repository
- B. Enterprise Manager Cloud Control
- C. Consolidated Database Replay
- D. Consolidation Planner
- E. Workload Consolidator and Playback

Answer: C

NEW QUESTION 24

Which four use cases could Database Replay be used to test for database performance changes?

- A. a change in operating system versions
- B. compare Flashback workload
- C. check a workload from a single instance on an Oracle RAC database
- D. check a workload after database parameters have been changed
- E. check a workload from one database release on another database released
- F. upgrade an application

Answer: BCDE

NEW QUESTION 25

A customer has database performance issues within their Oracle Real Application Cluster. What is the next step?

- A. Run the V\$RAC script to dump all the RAC statistics and look for what has the highest metric accumulation.
- B. Use the application load testing utility to overload a copy of their application in development to flush out the issue.
- C. Turn off RAC interconnects to isolate any network issues impacting database performance problems.
- D. Use a third-party RAC tool to identify the bad SQL and then rewrite it.
- E. Utilize the Oracle Database Performance Method to help identify and correct issue.

Answer: E

NEW QUESTION 29

Reviewing Automatic Workload Repository (AWR) reports for CPU and I/O exceptions, the time model displays SQL execution elapsed time as a major component of DB Time. Which two are next steps to diagnose the problem further?

- A. Review Operating System processes for any zombies.
- B. Review SQL statistics from the Automatic Workload Repository (AWR).
- C. Run a STATSPACK report.
- D. Review Automatic Database Diagnostic (ADDM) recommendations.
- E. Review all system configuration parameters.

Answer:

CD

NEW QUESTION 34

Which are two characteristics of “invisible” index functionality that would help tune a database having thousands of legacy indexes?

- A. An invisible index is ignored by the optimizer.
- B. After an index becomes invisible, it is no longer maintained during inserts and updates.
- C. I/O bottlenecks are easy to spot when invisible indexes are used.
- D. An index only needs to be rebuilt for it to be visible again.
- E. The session or system parameter needs to be changed to OPTIMIZER_USE_INVISIBLE_INDEXES to TRUE for an invisible index to become visible to the optimizer.

Answer: AE

NEW QUESTION 39

Which three are benefits of implementing an Oracle Database Performance and Tuning solution?

- A. automated database diagnostics based on deep database kernel integration
- B. a library of hundreds of PL/SQL procedures to choose from for writing scripts to instrument the database to collect performance information
- C. monitor and alert on every Oracle Database Database Dictionary view using SNMP MIBS built into the optimizer
- D. the most extensive and up-to-date collection of database monitoring and tuning scripts
- E. built-in instrumentation, real-time and historical monitoring, and data collection
- F. a performance methodology

Answer: DEF

NEW QUESTION 40

Which are two strategies to maintain performance and improve a table segment's compression ratio when you are using Advanced Row Compression on a table segment?

- A. Use smaller database block size.
- B. Use larger database block size.
- C. Use direct-path inserts where possible.
- D. Increase PCTFREE on the table segment.
- E. Increase the size of the tablespace.

Answer: AE

NEW QUESTION 41

Which is Oracle's architecture and methodology for Oracle Database High Availability (HA)?

- A. High Availability High Accessibility Architecture for Oracle Database
- B. Oracle Real Application Clusters
- C. Maximum Availability Architecture for Oracle Database
- D. Oracle Exadata
- E. Oracle Database 12c

Answer: B

Explanation:

Oracle Real Application Clusters (Oracle RAC) is a clustered version of Oracle Database based on a comprehensive high-availability
Reference: <http://www.oracle.com/us/products/database/options/real-application-clusters/overview/index.html>

NEW QUESTION 42

Which two statements are true about Oracle Enterprise Manager Database Express?

- A. It uses internal infrastructure components, such as XDB and SQL*NET.
- B. It can perform actions inside and outside the database.
- C. Performance Hub and Composite Active Reports are its key functionalities.
- D. It is not supported on Oracle Standard Edition or Express Edition.
- E. It replaces Oracle Grid Control.

Answer: AC

Explanation:

Reference: <http://www.oracle.com/technetwork/database/manageability/emx-intro-1965965.html>

NEW QUESTION 45

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