

1Z0-417 Dumps

Database Performance and Tuning Essentials 2015

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NEW QUESTION 1

Which is a true statement about Automatic Database Diagnostic Monitor (ADDM)?

- A. ADDM analyzes information in RMAN.
- B. Automatic Workload Repository (AWR) analyzes information stored in snapshots in tables of ADDM.
- C. ADDM analyzes information stored in snapshots in tables of the Automatic Workload Repository (AWR).
- D. ADDM and AWR are new features of Oracle Database 12c.
- E. APEX is required to access ADDM.

Answer: D

NEW QUESTION 2

Which two statements are true about Automatic Statistics collection by the Optimizer?

- A. Statistics are collected during automatic maintenance tasks.
- B. Any fixed objects are disregarded.
- C. Any external tables are incorporated.
- D. All tables in the data dictionary are included by defaults.
- E. Statistics are gathered after table statistics are marked stale.

Answer: AE

Explanation: Reference: https://docs.oracle.com/cd/B28359_01/server.111/b28274/stats.htm

NEW QUESTION 3

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 4

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 5

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 6

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 7

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 8

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. Turnoff 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 9

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 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

When reviewing a customer's database configuration, you find that OPTIMIZER_USE_SQL_PLAN_BASELINES is set as TRUE. What does the Optimizer do?

- A. compares plans that it develops with accepted plans in baselines
- B. develops plans and adds them to baselines as verified
- C. doesn't develop an execution plan, but uses an accepted plan from baselines
- D. doesn't develop an execution plan, but uses enabled plans in the baseline

Answer: B

NEW QUESTION 13

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 17

Select two scenarios that an Oracle Database Performance and Tuning solution implementation addresses.

- A. After migration off a legacy system, an ERP team complains that they have no ability to isolate performance problems in the new distributed Oracle Database architecture.
- B. An HR Team claims that it can hire staff fast enough to meet business demands.
- C. Development Team members demand that their SQL should run fast while the DBAs blame SQL as the root of performance issues.
- D. To prepare for an upcoming code audit, developers need to review their SQL and PL/SQL code for syntax and runtime errors.

E. Systems and Storage teams report that over the past 12 month, it is taking 40% longer time to back up the servers with Oracle databases on them.

Answer: BC

NEW QUESTION 19

Upon implementation completion, which three should be reviewed with a customer to confirm the values or benefits of a Oracle Database Performance and Tuning solution?

- A. real-time and historical monitoring capabilities
- B. non-intrusive metric collections
- C. statspack integration and support
- D. integration with Enterprise Manager
- E. included scripts for querying X\$ and V\$ views
- F. SQL script code management capabilities

Answer: ABD

NEW QUESTION 24

What are three activities an Oracle Database Performance and Tuning solution enables a customer to perform?

- A. standardize database troubleshooting and diagnostics
- B. control database clouds.
- C. automate database performance management
- D. perform global database backup
- E. outsource database operations
- F. replay and test actual workloads to assure database performance and consolidations.

Answer: CDE

NEW QUESTION 26

A customer not familiar with Active Session History (ASH) asked you what it was used for. Which are two statements you can use to accurately describe (ASH) capabilities?

- A. It enables you to conduct performance analysis of long-running sessions.
- B. It enables you to conduct performance analysis of transient issues.
- C. In memory, active sessions are sampled every second.
- D. It accesses database kernel structures indirectly via the buffer cache.
- E. It enables you to look at all database sessions since the database was created.

Answer: AC

Explanation: Reference: http://docs.oracle.com/cd/B19306_01/server.102/b28051/tdpnt_method.htm#TDPPT015

NEW QUESTION 28

SQL Access Advisor takes database workload as input and recommends adding various access structures. Which three does it consider the impact of adding when it generates recommendations?

- A. Materialized views
- B. Indexes
- C. Partitions
- D. Tablespaces
- E. V\$ performance views
- F. Hints

Answer: BDE

NEW QUESTION 29

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 32

Which three are SQL Performance Analyzer capabilities that enable forecasting impact of system changes on a SQL workload?

- A. measuring performance before and after the change
- B. generating a list of SQL Hints that the Optimizer will use to improve overall performance
- C. identifying the SQL statements that regressed or improved
- D. providing tuning recommendations for each SQL statement that is regressed
- E. measuring performance and comparing to industry benchmarks (TPC-C, TPC-D)
- F. measuring a change in user session logins

Answer: ACE

NEW QUESTION 37

Which issue can be avoided by configuring the PCTFREE parameter?

- A. row chaining and setting it has been superseded by Automatic Segment Space Management
- B. table fragmentation, and has been superseded by Automatic Storage Management
- C. column fragmentation
- D. sort operations on disk
- E. keeping a reserve area for backup

Answer: A

NEW QUESTION 40

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 43

Which option is recommended when gathering Optimizer system statistics on a regular basis to ensure optimal performance?

- A. lock out user sessions and gather system statistics overnight
- B. gather system statistics after a performance issue has been reported
- C. gather system statistics for several hours when there is no workload
- D. gather system statistics for several hours during normal workload periods
- E. shut down any running applications prior to collection

Answer: D

Explanation: Reference: https://docs.oracle.com/database/121/TGSQL/tgsql_stats.htm#TGSQL398

NEW QUESTION 47

Which statement about Oracle Enterprise Manager Database Express is correct?

- A. Oracle Enterprise Manager Database Control must be configured first.
- B. The listener needs to be running for it to be accessed.
- C. A Oracle Enterprise Manager Database Express WebLogic Server must be configured first.
- D. Oracle Internet Application Server needs to be installed to use it.
- E. Oracle Enterprise Manager Database Express can be used only from a command-line.

Answer: A

Explanation: Reference: http://www.oracle.com/webfolder/technetwork/tutorials/obe/db/11g/r2/2day_dba/gettingstarted/gettingstarted.htm

NEW QUESTION 48

Which action can be performed by using Oracle Enterprise Manager Database Express Performance Hub?

- A. View health status and performance of an Oracle Database instance via Database Control.
- B. Launch and view STATSPACK reports.
- C. View real-time and historical Oracle Database performance information.
- D. View only real-time Oracle Database performance information.
- E. View only historical Oracle Database performance information.
- F. Consolidate ADDM, AWR, and ASH repositories within an enterprise and enable centralized performance reporting.

Answer: C

NEW QUESTION 50

Which are two kinds of statistics collected and processed by the Automatic Workload Repository (AWR) you would utilize when tuning an Oracle Database instance?

- A. Wait Event statistics
- B. Session and System statistics
- C. User privileges statistics
- D. Standby Database throughput statistics
- E. Interconnect statistics

Answer: AD

Explanation: Reference: https://docs.oracle.com/cd/E11882_01/server.112/e41573/autostat.htm#PFGRF027

NEW QUESTION 52

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 54

What are three reasons an implementation of an Oracle Database Performance and Tuning solution is superior to that of scripts or third-party tools?

- A. It is a part of the database, which means no added installations, configurations, extra user accounts, privilege granting, etc.
- B. It eliminates the need to reverify compatibility, upgrade third-party tools, or rewrite scripts after a patch or database upgrade.
- C. It has the largest library of custom scripts and procedures and includes an assembly builder to maintain them and add more.
- D. Results come from the Oracle Database Optimizer and not rules or heuristics trying to predict what the optimizer may do.
- E. It is the most inexpensive tool in the market.

Answer: BDE

NEW QUESTION 55

When performing performance analysis of Oracle Real Application Cluster (RAC) databases, what are three Automatic Database Diagnostics Monitoring (ADDM) analysis modes that are available?

- A. Database
- B. Instance
- C. Partial
- D. Sample
- E. Average

Answer: ABC

NEW QUESTION 58

To use Automatic Database Diagnostic Management capability on a database using a SQL script, command line, database views, or from a GUI, which option needs to be licensed?

- A. Oracle Diagnostics Pack for Oracle Databases
- B. Oracle Tuning Pack for Oracle Databases
- C. Oracle Diagnostics and Tuning Pack for Oracle Databases
- D. Oracle ADDM Pack
- E. Nothing else needs to be licensed.

Answer: C

NEW QUESTION 60

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 Support
- 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 63

Which statement is true about implementation of an Oracle Database Performance and Tuning solution?

- A. It is available for Oracle Database Standard and Enterprise Editions.
- B. It is applicable for Oracle Database 12c and later versions.
- C. It builds on capabilities built into Oracle databases.

- D. It is recommended for Production environments, but not for Development or QA.
- E. It is delivered with Oracle Engineered Systems.

Answer: E

NEW QUESTION 68

Which three are controllable by a resource plan, when you are using the Oracle Database 12c Multitenant option?

- A. CPU
- B. concurrent sessions
- C. SGA
- D. network I/O
- E. ability to use parallel server processes
- F. use of SGA memory and ability to allocate PGA

Answer: ABE

Explanation: Section: (none) Explanation

NEW QUESTION 70

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 73

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 76

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 81

You have been asked to provide a “technology update” to a long time Oracle Database customer. During the meeting, you are asked about Oracle Enterprise Manager Database Express in Oracle Database 12c.

Identify three of its capabilities you would share with the customer.

- A. Once Oracle Database 12c is installed, a DBA runs the separate Oracle Enterprise Manager Database Express installer to add it into the database console.
- B. The Oracle Enterprise Manager Database Express Performance HUB organizes and provides a consolidated view of real-time and historical performance data.
- C. The Database Express Performance HUB displays Oracle RAC specific metrics.
- D. Oracle Enterprise Manager Database Express can be extended by the user to also display Oracle 7-10g databases.
- E. Oracle Enterprise Manager Database Express does not require any separate middle-tier components because it uses XDB and SQL*NET.
- F. The Oracle enterprise Manager Database Express Performance Hub displays Oracle RAC specific metrics when the optional RAC Pack is licensed.

Answer: AEF

NEW QUESTION 83

Identify four problems automatically diagnosed by Automatic Database Diagnostics Monitor (ADDM).

- A. log file sizing
- B. log buffer sizing
- C. log file problematic naming
- D. Mean Time to recover (MTTR) setting
- E. undersized SGA or PGA
- F. oversized SGA or PGA
- G. Less Time to recover (LTTR) setting

Answer: DEFG

NEW QUESTION 85

Which two would automatically create an entry in V\$SQL_MONITOR?

- A. a parallelized SQL statement
- B. any SQL statement run
- C. any DML statement
- D. a statement that consumes at least 1 second of CPU or I/O time.
- E. a statement that consumes at least 5 second of CPU or I/O time.
- F. any DDL statement

Answer: CF

Explanation: Reference: https://docs.oracle.com/database/121/TGSQL/tgsql_monit.htm#TGSQL789

NEW QUESTION 87

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 read only by root.
- F. Enable SNMP and configure MIBS on each database and forward database monitoring SNMP traps.

Answer: BE

NEW QUESTION 89

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