



1Z0-417

**Oracle Database Performance and Tuning Essentials
2015**
Exam Summary – Syllabus – Questions



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Introduction to 1Z0-417 Exam on Oracle Database Performance and Tuning Essentials 2015

You can use this exam guide to collect all the information about Oracle Database Performance and Tuning Essentials 2015 (1Z0-417) certification. The Oracle 1Z0-417 certification is mainly targeted to those candidates who has some experience or exposure of Oracle Database 12c and want to flourish their career with Oracle Database Performance and Tuning 2015 Certified Implementation Specialist (OCS) credential. The Oracle Database Performance and Tuning Essentials 2015 certification exam validates your understanding of the Oracle Database 12c technology and sets the stage for your future progression. Your preparation plan for Oracle 1Z0-417 Certification exam should include hands-on practice or on-the-job experience performing the tasks described in following Certification Exam Topics table.

Oracle 1Z0-417 Certification Details:

Exam Name	Oracle Database Performance and Tuning Essentials 2015
Exam Code	1Z0-417
Exam Product Version	Oracle Database 12c
Exam Price	USD \$245 (Pricing may vary by country or by localized currency)
Duration	120
Number of Questions	82
Passing Score	75
Format	Multiple Choice
Recommended Training	Oracle Database 12c New Features for Administrators
Schedule Exam	Pearson VUE - Oracle
Recommended Practice	1Z0-417 Online Practice Exam

Oracle 1Z0-417 Exam Syllabus:

<p>Product / Solution Overview</p>	<ul style="list-style-type: none"> - Describe Oracle's solution for database performance and tuning and its fit in Oracle's strategy - Describe and summarize product history and the future public road map - Differentiate Oracle product technology for database performance within the Oracle portfolio, competitive marketplace and the opportunity available to partners. - Describe what it requires to get started with an Oracle Database Performance solution and the minimum and typical environment required
<p>Positioning the Solution</p>	<ul style="list-style-type: none"> - Identify and construct probing questions that help position and match Oracle technology to database performance needs - Describe Oracle product technology that addresses the market trends and business dynamics driving the customer requirements - Describe key positioning statements for an Oracle Database Performance solution - Describe the value proposition for an Oracle Database solution and how the solution benefits and impacts a customer's financial position (i.e. top-line and bottom-line)
<p>Product Area Features and Functions for Technical Individuals</p>	<ul style="list-style-type: none"> - Describe product technologies and major capabilities that make up an Oracle Database Performance and Tuning Solution - Provide a high level overview of key hardware and software product components for an Oracle Database Performance solution - Describe key features, functions, terminology unique to Oracle's solution including: <ol style="list-style-type: none"> 1. Oracle Performance Tuning Method , DB Time Model 2. Oracle Database Performance and Diagnostic Product Technology and Solution Capabilities 3. Oracle Enterprise Manager Database Express 4. Additional Database Performance functionality capability gained by using Oracle Enterprise Manager Cloud Control - Identify and map features, capabilities, and benefits to customer business needs and requirement scenarios
<p>Architecture</p>	<ul style="list-style-type: none"> - Identify the type of hardware on which the solution / product runs for specific customer scenarios. - Outline the system requirements needed to architect and build an Oracle Database Performance and Tuning solution in single tenant, multitenant and non-CDB environments. Identify reference sources of architecture and best practices - Describe Oracle Product Technology architecture models that could be used for an Oracle Database Performance and Tuning solution including: <ol style="list-style-type: none"> 1. AWR, ADDM, ASH, and Database Express architecture 2. Real Application Testing architecture

	<ol style="list-style-type: none"> 3. Real User Experience Insight architecture 4. Oracle Application Testing architecture 5. Integration: Oracle Enterprise Manager Cloud Control architecture <p>- Relate integration options and abilities available for an Oracle Database Performance solution</p>
<p>Solution Implementation - Installation, Configuration</p>	<p>- Outline requirements and plan environment readiness for implementation of an Oracle Database Performance and Tuning solution</p> <p>- Implement Oracle Performance and Tuning product technology including installation and configuration</p> <p>- Test and validate that installation and configuration was successful</p>
<p>Performance Diagnostics and Monitoring, Best Practices</p>	<p>- Define and apply database performance troubleshooting techniques using Oracle Database Performance and Tuning solution and Oracle Database capabilities for:</p> <ol style="list-style-type: none"> 1. AWR, ADDM, ASH 2. Database Express Performance Hub <p>- Define and apply database performance troubleshooting techniques using overall Oracle Database Performance and Tuning solution optional capabilities for:</p> <ol style="list-style-type: none"> 1. Application, database, middleware, network, system, storage 2. Real User Experience Monitoring <p>- View and modify parameters used to configure Oracle database performance using an Oracle Database Performance and Tuning solution</p> <p>- Define setup, and run database performance reporting using an Oracle Database Performance and Tuning solution</p> <p>- Automate database performance reporting using an Oracle Database Performance and Tuning solution</p>
<p>Performance Tuning, Best Practices</p>	<p>- Analyze and apply database performance tuning using an Oracle Database Performance and Tuning solution capabilities including:</p> <ol style="list-style-type: none"> 1. SQL Tuning Advisor 2. SQL Access Advisor 3. Segment Advisor and object reorganization <p>- View and modify SQL to tune Oracle database performance using an Oracle Database Performance and Tuning solution</p>

	<ul style="list-style-type: none"> - Define, setup, and automate SQL performance tuning using an Oracle Database Performance and Tuning solution
Performance Testing, Best Practices	<ul style="list-style-type: none"> - Test database performance using an Oracle Database Performance and Tuning solution including: <ol style="list-style-type: none"> 1. SQL Performance Analyzer 2. Database Replay 3. Synthetic User Monitoring 4. Functional Testing, Load Testing and Test Management - View, test and validate Oracle database performance using an Oracle Database Performance and Tuning solution - Define, setup, and automate database performance testing using an Oracle Database Performance and Tuning solution
Use Cases, Scenarios	<ul style="list-style-type: none"> - Identify common Oracle Database Performance and Tuning use cases for: <ol style="list-style-type: none"> 1. Monitoring performance 2. Performing database performance Health Checks 3. Maintaining database availability and Service Levels 4. Database Performance Diagnostics and Troubleshooting 5. SQL Tuning - Identify applicable Oracle Database Performance product technology for use cases - Describe implementation scenarios and options for an Oracle Database Performance solution

1Z0-417 Sample Questions:

01. When providing partition and index recommendations, which one would SQL Access Advisor source input from?

- a) SQL Tuning Advisor
- b) Automatic Workload Repository
- c) Automatic Database Diagnostic Monitor
- d) SQL Tuning Set

02. 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.

03. 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

04. 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

05. Which two situations help to identify that a customer is already using Oracle Diagnostics Pack for Oracle Database functions?

- a) The customer has Enterprise Manager installed on a separate server and regularly accesses the Database home page of some of its Enterprise Edition databases from its console.
- b) A customer says that he or she doesn't use Enterprise Manager, but you learn that the customer routinely executes `awrrpt.sql` from the SQL Plus prompt.
- c) A customer has the `CONTROL_MANAGEMENT_PACK_ACCESS` initialization parameter set to `DIAGNOSTIC +TUNING`.
- d) customer says that he or she doesn't use Enterprise Manager, but you learn that the customer has SQL scripts that access the `DBA_HIST_ACTIVE_SESS_HISTORY` database view.
- e) A customer says that he or she doesn't use the Enterprise Manager, but you learn that the customer uses customized SQL scripts that access `V$SESSION` and `V$SQL` views.

06. 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

07. In an Active Session History report, which response is correct?

- a) 60 minutes of ASH data can be held in memory, so only 1 hour can be reported.
- b) 60 minutes of ASH data can be held in memory, but more than 1 hour can be reported.
- c) ASH data is available 24 hours because AWR snapshots refresh every night.
- d) As ASH data is flushed every 60 seconds, you need to set up a snapshot with `DBA_JOBS` for what you want to keep.

08. 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 consolidatios.

09. 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

10. Which is the default statistics gatheringperiod 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

Answers to 1Z0-417 Exam Questions:

QUESTION: 01 Answer: d	QUESTION: 02 Answer: e	QUESTION: 03 Answer: c	QUESTION: 04 Answer: a	QUESTION: 05 Answer: c, d
QUESTION: 06 Answer: b, c, d, e	QUESTION: 07 Answer: a	QUESTION: 08 Answer: c, d, e	QUESTION: 09 Answer: d	QUESTION: 10 Answer: a

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on feedback@oraclestudy.com