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# OCP Oracle9*i* Database New Features for Administrators 考试指南（英文版）

(Exam 1Z0-030)

OCP Oracle9*i* Database: New Features for Administrators Exam Guide

（美）Daniel Benjamin 著

附赠 CD-ROM

机械工业出版社 China Machine Press

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To God for infinite blessings.

To Carol for her great sacrifice.

## About the Author

Daniel Benjamin has a master's degree and over fifteen years of experience providing training and consulting solutions in Management and Information Technology for various clients including the White House, the U.S. Senate, the Department of Navy, the Department of Army, the Federal Aviation Administration (FAA), the National Air and Space Administration (NASA), the Department of Treasury, Anteon Corporation, and the Washington Convention Center.

Dan developed the implementation strategy for President Bush's CFO Act of 1990. He also implemented a web-based learning facility in support of President Clinton's Distance Learning Initiative. He was also commended for implementing quality solutions at the White House.

Dan is an excellent instructor; he uses humor successfully to communicate enterprise level Internet solutions using Java, Oracle, and Microsoft technologies using UNIX and Microsoft platforms. As a senior staff member of the Rockwell University faculty, he helped create a Masters Degree program in E-Commerce and Internet Security. He is also a featured workshop presenter at the USDA Graduate School, government agencies, and private corporations.

Dan has also authored books on Java Programming (J2SE) and Java Enterprise Connectivity (J2EE). He is a certified Workshop Facilitator for Joint Application Development and a certified Project Management Professional (PMP). Dan is also an avid guitarist and songwriter.

You can find additional information at www.dantastic.com. You can send feedback to dantastic@erols.com.

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## About the Oracle Certification Exams

The expertise of Oracle database administrators (DBAs) is integral to the success of today's increasingly complex system environments. The best DBAs operate primarily behind the scenes, looking for ways to fine-tune day-to-day performance to prevent unscheduled crises and hours of expensive downtime. They know they stand between optimal performance and a crisis that could bring a company to a standstill. The Oracle Certified Database Administrator Track provides DBAs with tangible evidence of their skills with the Oracle database.

The Oracle Certified Professional (OCP) Program was developed by Oracle to recognize technical professionals who can demonstrate the depth of knowledge and hands-on skills required to maximize Oracle's core products according to a rigorous standard established by Oracle. By earning professional certification, you can translate the impressive knowledge and skill you have worked so hard to accumulate into a tangible credential that can lead to greater job security or more challenging, better-paying opportunities.

Oracle Certified Professionals are eligible to receive use of the Oracle Certified Professional logo and a certificate for framing.

## Requirements for Certification

To upgrade from an Oracle8*i* DBA OCP to an Oracle9*i* DBA OCP, you must pass one test. This exam covers knowledge of the essential aspects of the SQL language, Oracle administration, backup and recovery, and performance tuning of systems. The certification process requires that you pass the following exam:

Oracle9*i* Database: New Features for Administrators (1Z0-030)

When you take the exam, you will have to answer correctly at least 38 questions out of a total of 56 in order to successfully complete the exam. The required number of correct questions can vary based on the difficulty of the questions administered in the particular exam you take. If you fail a test, you must wait at least 30 days before you retake that exam. You may attempt a particular test up to 3 times in a 12-month period.

## Recertification

Oracle announces the requirements for upgrading your certification based on the release of new products and upgrades. Oracle will give six months' notice announcing when an exam version is expiring.

## Exam Format

The computer-based exam is a multiple-choice test, consisting of 56 questions that must be completed in 90 to 120 minutes.

# Acknowledgments

t takes a team to accomplish an objective of this nature. There are many people who have contributed to the successful completion of this book.

First and foremost, I thank God who is the source of all wisdom. Second, I am grateful to Carol, my wife, whose sacrifice made this book possible. Holidays and weekends were excluded from our vocabulary during the writing of this book. She also gave up the warmth of our basement, which became my hideout for writing this book.

Jay Norton, a renowned instructor and consultant at Oracle Corporation, spent many hours reviewing the draft documents for technical accuracy. His contribution is invaluable.

I am thankful to the staff of Rockwell University. There is the ever so optimistic Tarun Gera who believes I can do anything; and Subash Boda, a renowned author of Oracle books, who related to my addictive, nocturnal writing patterns. "Larry" Srinivasan a reputed Oracle DBA and trainer helped with Chapter 3 and "blessed" the initial drafts before they went to the publisher; and Krishna Mohan, a recognized Oracle/Java consultant and trainer, helped with Chapter 4.

There are many players at McGraw-Hill/Osborne that were part of the team. There is the dynamic Jeremy Judson who gave me the big picture. Then there is the enthusiastic Athena Honore who effectively kept me focused on the next task at hand, and managed to sneak in an encouraging word when some chapters never

seemed to end. And optimistic Lisa McClain was instrumental in the planning of this book.

The staff at MacAllister Publishing Services also played a critical part. Michael Brumitt was a thorough Copyeditor; besides improving the readability of the materials, he also had the pleasant task of eliminating F.I.B.s (fatigue induced burps). Molly Applegate, the Project Manager, was always energetic anytime I needed copyediting related discussions. Karen Fields was the Layout Technician, Kelly Applegate was the Proofreader, and Jeff Yesh was the Graphic Artist for the production of this book.

I also appreciate many other friends who wished me well, wondered if I was insane, encouraged, and prayed for an uneventful return to normalcy.

It truly took an outstanding team to produce this book.

# Introduction

his book is a valuable resource for IT Management and Technical Staff; it gives them a good insight into the many enhancements in Oracle9*i* to address the challenges introduced by the Internet. The database has to service millions of users from around the world without compromising security even though many of the users are anonymous, without degrading performance levels, and while letting each user have a personal experience in the time and language of their locale. You have to improve availability, because downtime can have significant economic and legal impacts. Since user loads are prone to increase (a good problem for a retailer) scalability is of paramount importance. The database also needs various facilities including replicated cluster configuration to ensure that the database is available and recoverable in a contingency. Part 1 of this book discusses a vast number of Oracle9*i* enhancements in the areas of: security, availability, manageability, performance, scalability, language, and globalization.

This book also meets the objectives set forth for the Oracle9*i* New Features for Administrators 1Z0-030 exam, to upgrade your OCP certification from Oracle8*i* to Oracle9i. As such, this book is an excellent tool to prepare for the exam. Besides the technical discussions, Part 1 has many aids to help you prepare for the exam. At the end of topics you will find a For Review section and a number of questions to confirm and retain your learning. At the end of chapters, you will find a good summary that will help you review the chapter, and a number of questions. Part 2 consists of 3 practice exams with a total of 180 questions. You can purchase

additional practice tests from Oracle Corporation (see following instructions). When you take the exam, you will have to answer correctly at least 38 questions out of a total of 56 in order to successfully complete the exam. The required number of correct questions can vary based on the difficulty of the questions administered in the particular exam you take.

You can get the candidate guide, the test content checklist (objectives), and the exam details for the Oracle9*i* DBA certification paths from Oracle's OCP web site (see following instructions). The candidate guide presents the benefits of certification; describes the overall tracks and exams for each track; tells you how you can prepare, register, and take the exam; makes suggestions about steps to take after the certification, and discusses special testing opportunities where you can take the test at discounted prices.

Various job and salary statistics consistently show that OCP certification gives you an edge over the competition both in getting the job and in compensation levels. Oracle9*i* was just released in mid-2001; the database market is just beginning to understand the power of Oracle9*i* and is on the lookout for Oracle9*i* OCPs. This certification will give both the confidence and the recognition that tilts the job interview in your favor. The certification tells the potential employer that you have attained a competency and skills level that would be needed to accomplish the day-to-day task requirements. Certification also helps companies gain a competitive edge in the marketplace when they have a team of competent, certified professionals.

This book is a great resource for preparing for the upgrade exam and it is an excellent reference for the new features of Oracle9*i*.

## Purchase Practice Tests

To purchase practice tests from Oracle Corporation:

1. **Go to www.oracle.com.**
2. **Click on** *Education* under *Customer Services.*
3. **Click on** *Oracle Certified Professional (OCP).*
4. **Click on** *Practice Tests* under *Candidate Guides Exam Objectives* in the box to the left of the page.
5. **Click on the word** *here* in the following sentence **Click** *here* to purchase the Self Test Software Practice Tests. It should take you to the www.selftestsoftware.com page for purchasing practice tests.
6. **Click on** *9i DBA* under *Products* and *Oracle* in the menu to the left of the page.

7. **Click on** *1Z0-030 Oracle9i: New Features for Administrators* link under the sentence *To upgrade your Oracle8i OCP certification to Oracle9i, you must pass this exam.*

## Get the Candidate Guide

To get the candidate guide:

1. **Go to www.oracle.com.**
2. **Click on** *Education* under *Customer Services.*
3. **Click on** *Oracle Certified Professional (OCP).*
4. **Click on** *Candidate Guides Exam Objectives* under *Certification* in the box to the left of the page.
5. **Click on** *Oracle9i DBA* under the *Candidate Guide* column.

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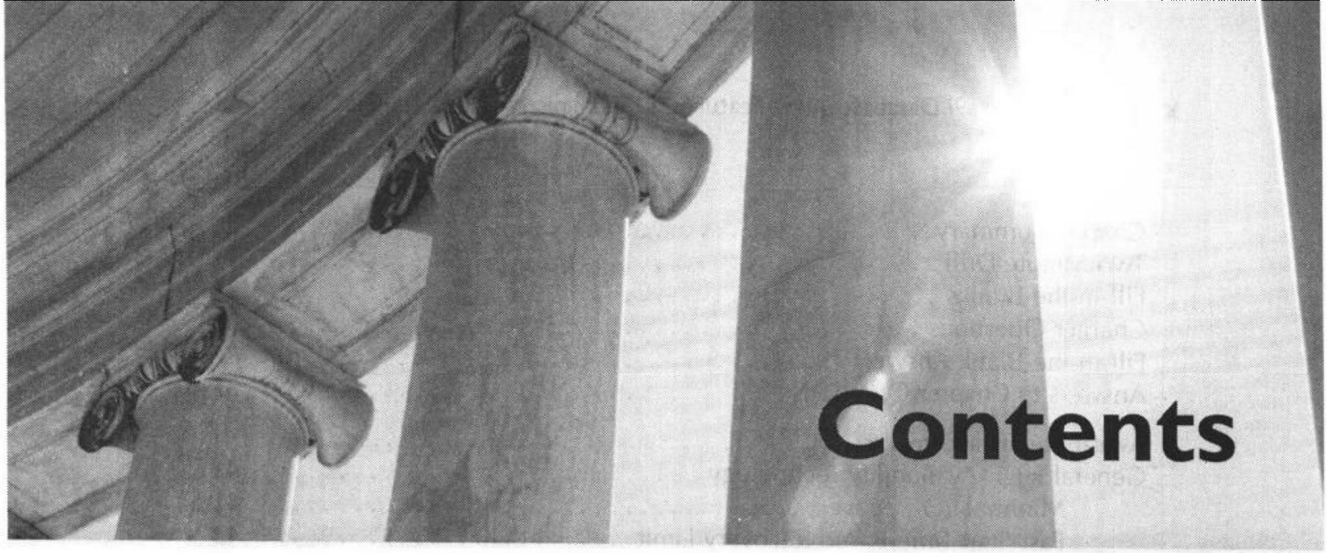

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