# Oracle® Certified Professional (OCP) Program: Oracle Certified Database Administrator Track

*The expertise of Oracle database administrators (DBAs) is integral to the success of today's increasingly complex system environments. The best DBAs know they stand between optimal performance and a crisis that could bring their company to a standstill. Put your skills to the test by becoming an Oracle Certified DBA.*

*The Oracle Certified Database Administrator is a job role-related certification track that awards performers who meet an established standard of excellence.*

### Overview

Part administrator, part firefighter, the best DBAs operate primarily behind the scenes, looking for ways to fine-tune day-to-day performance and prevent unscheduled crises, such as a crashed database and hours of expensive downtime. This requires a broad understanding of the Oracle Server architecture and processes, as well as plenty of hands-on experience resolving problems. By earning professional certification, you can translate the impressive knowledge and skill you have worked so hard to accumulate into a tangible credential.

The OCP Program was developed by Oracle to recognize technical professionals who can demonstrate the depth of knowledge and hands-on skills required to fully support Oracle core products according to a standard of excellence established by Oracle.

### A Smart Career Move

Professional certification can help make you and your company more competitive by keeping you on the cutting edge of advances in Oracle technology. You may be able to leverage your new visibility to obtain the resources you need for a more sophisticated environment or to ask for additional training to upgrade your professional credential through recertification.

### A Performance-Based Credential

To become an Oracle Certified Database Administrator, you must pass four separate tests. Each test will challenge you to apply specific knowledge you have gained through Oracle training, as well as experience you have developed on your job.

Working on a computer with no other resources, you will have up to 1.5 hours to answer 60–70 multiple-choice questions for each examination. Because there is no way to memorize what you need to know, only proven performers will be able to pass the test.

### Maintain Your Edge through Recertification

Because professional certification —unlike a university degree or continuing education credits— is intended to be a living, breathing credential, Oracle also provides recertification tests on a continuing basis.

ORACLE
Certified Professional

**Training Support Throughout the Certification Process**

You are not required to take any Oracle Education courses before completing the certification tests for your job role track. However, you are likely to find that Instructor-Led Training (ILT) courses, Media-Based Training (MBT) products, and Web-Based Training through Oracle Learning Architecture™ (OLA)—included in the Oracle Education comprehensive job role-related curriculum—are excellent resources as you prepare to become an Oracle Certified Database Administrator.

If you need assistance selecting training options, please contact your local Oracle Education representative. (Oracle regional phone numbers are listed on the next page.)

**The Oracle Certified Professional (OCP) Program: Oracle Certified Database Administrator Track**

**Audience**

Database administrators who, ideally, have completed current training in their job role and have at least six months of on-the-job experience.

**Certification Test Content**

Test 1 Introduction to Oracle: SQL and PL/SQL™

- Selecting Rows
- Limiting Selected Rows
- Single Row Functions
- Displaying Data from Multiple Tables
- Group Functions
- Subqueries
- Specifying Variables at Runtime
- Overview of Data Modeling and Database Design
- Creating Tables
- Oracle Data Dictionary
- Manipulating Data
- Altering Tables and Constraints
- Creating Sequences
- Creating Views
- Creating Indexes
- Controlling User Access
- Summary of SQL and SQL*Plus
- Overview of PL/SQL™
- Developing a Simple PL/SQL Block
- Interacting with Oracle
- Controlling Flow in PL/SQL Blocks
- Processing Queries by Using Explicit Cursors
- Error Handling
- Summary of PL/SQL

Test 2 Oracle7™: Database Administration

- Overview of Oracle7 Architecture
- Start up and Shut down an Instance
- Create a Database
- Accessing and Updating Data
- Manage Transaction Concurrency
- Manage the Database Structure
- Manage Storage Allocation
- Manage Rollback Segments
- Manage Table and Index Segments
- Manage Cluster Segments
- Manage Constraints
- Manage Users
- Manage Resource Usage
- Manage Database Access
- Manage Roles
- Audit the Database
- Specify National Language Support
- Advanced Architecture
- SQL Loader®

Test 3 Oracle7: Backup and Recovery Workshop

- Backup and Recovery Motives
- Review of Oracle7 Architecture
- Backup Methods
- Recovery Theory
- Failure Scenarios
- Recovery without Archiving
- Enable Archiving
- Complete Recovery with Archiving
- Minimizing Downtime
- Supporting 24-Hour Operations
- Incomplete Recovery with Archiving
- Logical Backups
- Troubleshooting
- Standby Database

Test 4 Oracle7: Performance Tuning Workshop

- Tuning Overview
- Diagnosing Problems
- Database Configuration
- Tuning Applications
- Tuning the Shared Pool
- Tuning the Buffer Cache
- Using Oracle Blocks Efficiently
- Tuning Rollback Segments
- Tuning Redo Mechanisms
- Monitoring and Detecting Lock Contention
- Tuning Sorts
- Tuning for Differing Application Requirements
- Optimizing Load

### OCP Program Features

#### Job Role-Related Certification

- Separate certification tracks for specific job roles
- Online course- and experience-based tests available at Authorized Sylvan Prometric Testing Centers worldwide
- OCP Certificate suitable for framing

#### Pre- and Post-Test Planning Tools

- Assessment tests for advance screening
- Post-test diagnostic feedback to indicate where more training may be needed
- Oracle Education Instructor-Led Training (ILT) courses, Media-Based Training (MBT) and Web-Based Training through Oracle Learning Architecture™ that directly support test content

#### Recertification Program

- Ongoing recertification to support the release of new Oracle products and upgrades

#### Pricing

For pricing information, please contact the Sylvan Prometric Regional Service Center serving your country.

### How to Register for an OCP Test

OCP Program tests are offered at Authorized Prometric Testing Centers worldwide. Call the Sylvan Prometric Regional Service Center serving your country to find out which Authorized Prometric Testing Center is most convenient for you, and then register for a test in the appropriate certification track.

### Sylvan Prometric Regional Service Centers

#### Asia Pacific

Sylvan Sydney, Australia Regional Service Center +61.2.9414.3666

Countries served: Australia, China (including Hong Kong), Fiji, Guam, India, Indonesia, Malaysia, New Zealand, Pakistan, Philippines, Singapore, South Korea, Taiwan, Thailand, Vietnam

#### Europe/Middle East/Africa

Sylvan Paris, France Regional Service Center +33.1.4289.3122

Countries served: France, French Islands, Guadeloupe, Ivory Coast, Martinique, Morocco, Portugal, Spain, Tunisia

Sylvan Düsseldorf, Germany Regional Service Center +49.2159.9233.50

Countries served: Austria, Belgium, Croatia, Czech Republic, Germany, Hungary, Italy, Latvia, Luxembourg, Netherlands, Poland, Romania, Russia, Slovakia, Slovenia, Ukraine, Switzerland

Sylvan London, England Regional Service Center +44.181.607.9090

Countries served: Bahrain, Botswana, Cyprus, Denmark, Egypt, Finland, Greece, Ireland, Israel, Kenya, Kuwait, Norway, Oman, Saudi Arabia, South Africa, Sweden, Turkey, United Arab Emirates, United Kingdom, Zimbabwe

#### Latin America

Sylvan Latin America Regional Service Center +1.612.820.5200

Countries served: Argentina, Bermuda, Bolivia, Brazil, Chile, Costa Rica, Curaçao NA, Ecuador, Honduras, Jamaica, Mexico, Panama, Paraguay, Peru, Trinidad, Uruguay, Venezuela

#### North America

Sylvan North America Regional Service Center +1.800.891.3926

Countries served: Canada, Puerto Rico, USA

### Oracle Regional Offices

For more detailed information about specific OCP job role-related tracks, please contact your local Oracle Education representative.

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For the Oracle Education location in your area, access the following web pages:

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http://education.oracle.com/intlsites/asiap.html

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North America:
http://education.oracle.com/intlsites/nameri.cgi

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