

Industry Analysts and Experts agree, Oracle Certifications are among the most sought after badges of credibility for expertise in the Information Technology marketplace.

### Why Become an Oracle Certified Professional?

The demand for professionals in information technology (IT) is high, and the competition for jobs is intense. Individuals, experienced or new to the profession, need to know what skills make them attractive to employers. Employers look for ways to distinguish employees and prospective employees who have the solid foundation of skills needed for effective performance. The Oracle Certification Program helps the IT industry make these distinctions by establishing a standard of competence in specific job roles. An Oracle Technical Certification is a valuable, industry-recognized credential that signifies a proven level of knowledge and skill.

### COURSE CONTENTS

#### Introduction to Oracle DBA 9i: SQL (IZO - 007)

- Writing Basic SQL Select Statements
- Displaying Data from Multiple Tables
- Manipulating Data
- Creating and Managing Tables
- Including Constraints
- Data Time Functions
- Restricting and Sorting Data
- Aggregates Data using Group Functions
- Creating Views
- Hierarchical Retrieval
- Enhancements to the Group by Clause
- Single Row Functions
- Subqueries
- Production Readable output with SQL\*PLUS
- Other Database Objects
- Advanced Subqueries

#### DBA Fundamentals - I (IZO - 031)

- Oracle Architecture Components
- Creating a Database
- Maintaining The Control File
- Storage Structure and Relationship
- Managing Indexes
- Managing Password Security and Resources
- Using Globalization Support
- Getting Started with Oracle Server
- Using Data Dictionary and Dynamic
- Maintaining Tablespace and Datafiles
- Managing Undo Data
- Maintaining Data Integrity
- Managing Users
- Auditing
- Managing an Oracle Instance
- Performance Views
- Maintaining Redo Log File
- Managing Tables
- Managing Roles
- Managing Privileges
- Loading Data into a Database

#### DBA Fundamentals - II (IZO - 032)

- Networking Overview
- Basic Oracle Net Server Side Configuration
- Instance and Media Recovery Structure
- Oracle Recovery Manager
- Overview and Configuration
- Oracle Net Architecture
- User-Managed Backups
- Backup and Recovery Overview
- Configuring the Database Archiving Mode
- User Managed Complete Recovery
- Recovery Catalog Creation & Maintenance
- Transporting Data between Database
- Naming Method Configuration
- Usage and Configuration of the Oracle Shared Server
- RMAN Backups / Maintenance
- RMAN Complete / Incomplete Recovery
- Workshop

#### Performance Tuning (IZO - 033)

- Overview of Oracle 9i Performance Tuning
- Database Configuration and I/O Issues
- Monitoring and Detecting Lock Contention
- Tuning the Operating System & Resource Manager
- Diagnostic and Tuning Tools
- Sizing the Buffer Cache
- Optimizing Sort Operations
- Tuning undo Segments
- Tuning the Oracle Shared Server
- Application Tuning
- Workshop Overview
- Sizing the Shared Pool
- Sizing other SGA Structures
- Diagnosing Contention for Latches
- SQL Statement Tuning
- Using Oracle Blocks Efficiently
- Project Work



## ORACLE 9i DBA CERTIFICATION PATH



## ORACLE 10g DBA CERTIFICATION PATH



#### Oracle Database 10g: Introduction to SQL (Exam : 120-007)

- Writing Basic SQL Select Statements
- Displaying Data from Multiple Tables
- Manipulating Data
- Creating Views with SQL\*PLUS
- Other Database Objects
- Advanced Subqueries
- Restricting and Sorting Data
- Aggregates Data using Group Functions
- Production Readable output
- Including Constraints
- Data Time Functions
- Single Row Functions
- Subqueries
- Creating and Managing Tables
- Hierarchical Retrieval
- Enhancements to the Group by Clause

#### Oracle Database 10g: Administration workshop 1 (Exam # 120-042)

- Introduction (database architecture)
- Managing the oracle instance
- Managing schema objects
- Implementing oracle database security
- Proactive maintenance
- Performing database backups
- Installing the oracle database software
- Managing database storage structures
- Managing data and concurrency
- Configuring the oracle network environment
- Performance management
- Performing database recovery
- Creating an oracle database
- Administering user security
- Managing undo data
- Backup and recovery concepts

#### Oracle Database 10g: Administration Workshop II (Exam # 120-043)

- Introduction to 10g administration workshop II
- Using recovery manager
- Incomplete recovery
- Monitoring and managing memory
- Monitoring and managing storage II
- Managing resources
- Data movement
- Configuring recovery manager
- Oracle secure backup
- Flashback
- Automatic performance management
- Automatic storage management
- Automatic tasks with the scheduler
- Using globalization support
- Recovering from non-critical losses
- Dealing with database corruption
- Monitoring and managing storage I
- VLDB support
- Database security
- Workshop methodology requirements and setup