

About Oracle Database Administrator (DBA)

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Objectives

In this lecture, you will learn how to perform the following:

- Describe the DBA duties and responsibilities
- List the DBA role types and describe the difference between them
- Understand the learning path for becoming a DBA
- Understand the DBA role demand in the job market

Oracle Database Administrator Common Tasks

- Plan the Database Design
- Install Oracle database and Grid Infrastructure Software
- Create Oracle Databases
- Backup the database
- Control database security
- Tune Oracle database performance
- Implement Database Disaster Recovery (DR) plan
- Migrate the on-prem databases to the Cloud
- Patching database and grid infrastructure

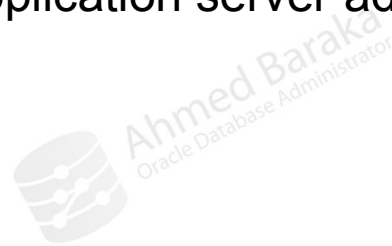


Oracle Database Administrator Common Tasks

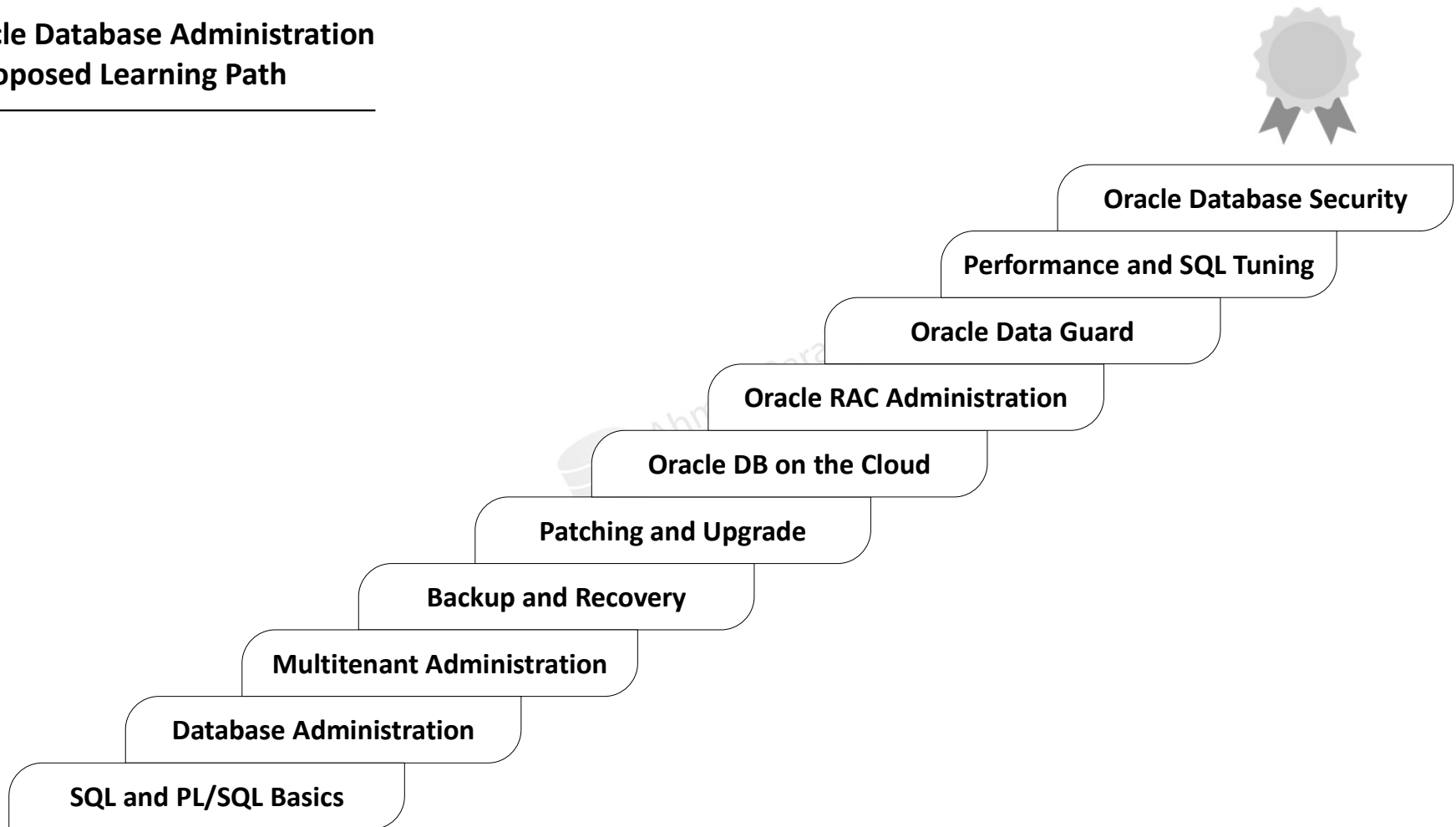
- Upgrade Oracle databases
- Create and Manage Oracle clusters (RAC)
- Clone databases
- Monitor database resources growth and determine future demands
- Perform database health check
- Oracle database options and licenses
- Diagnosing and troubleshooting Oracle databases

Oracle DBA Role Types

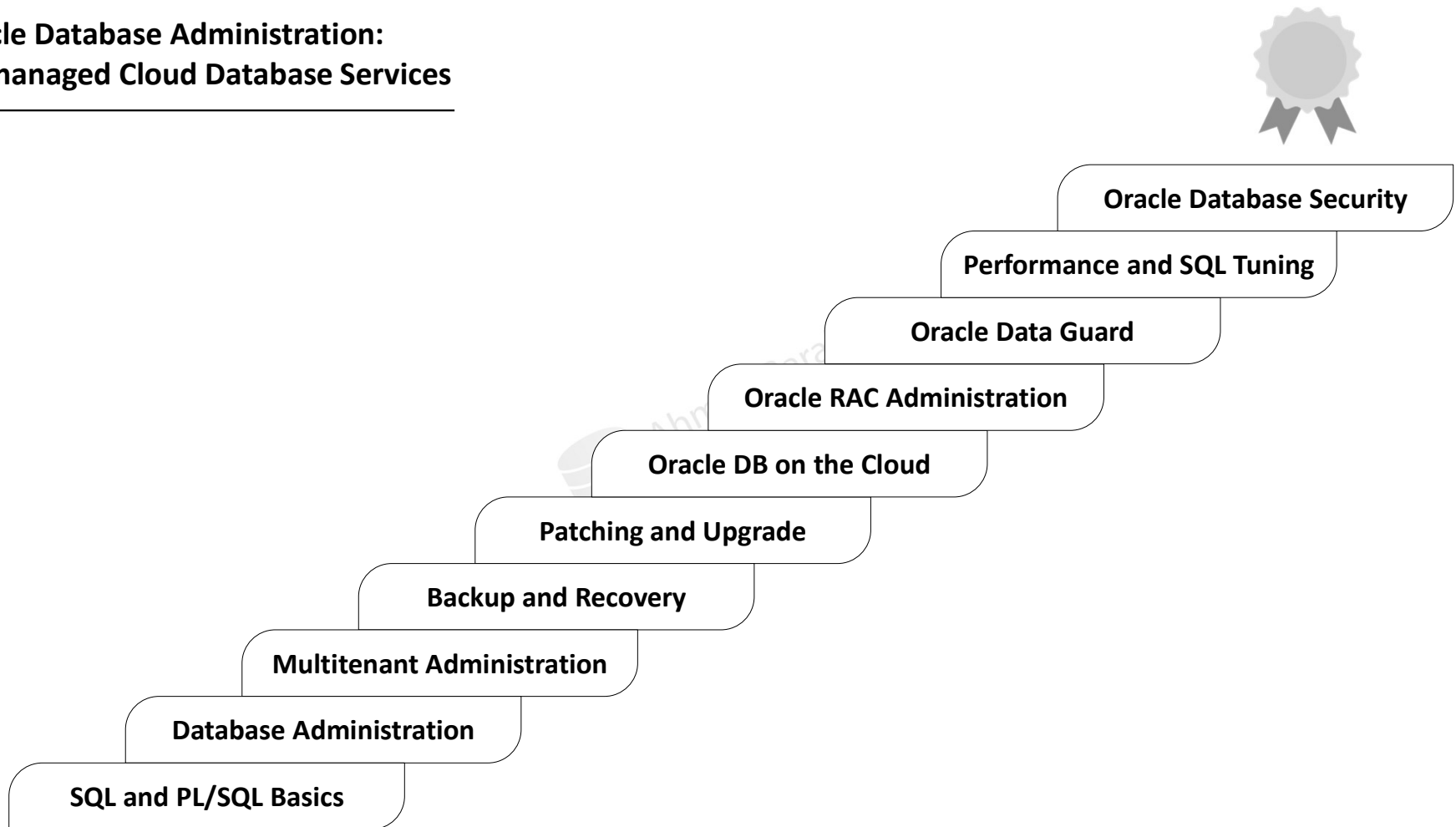
- Oracle DBA
- Oracle Apps DBA
 - DBA + e-Business Suit application server administrator



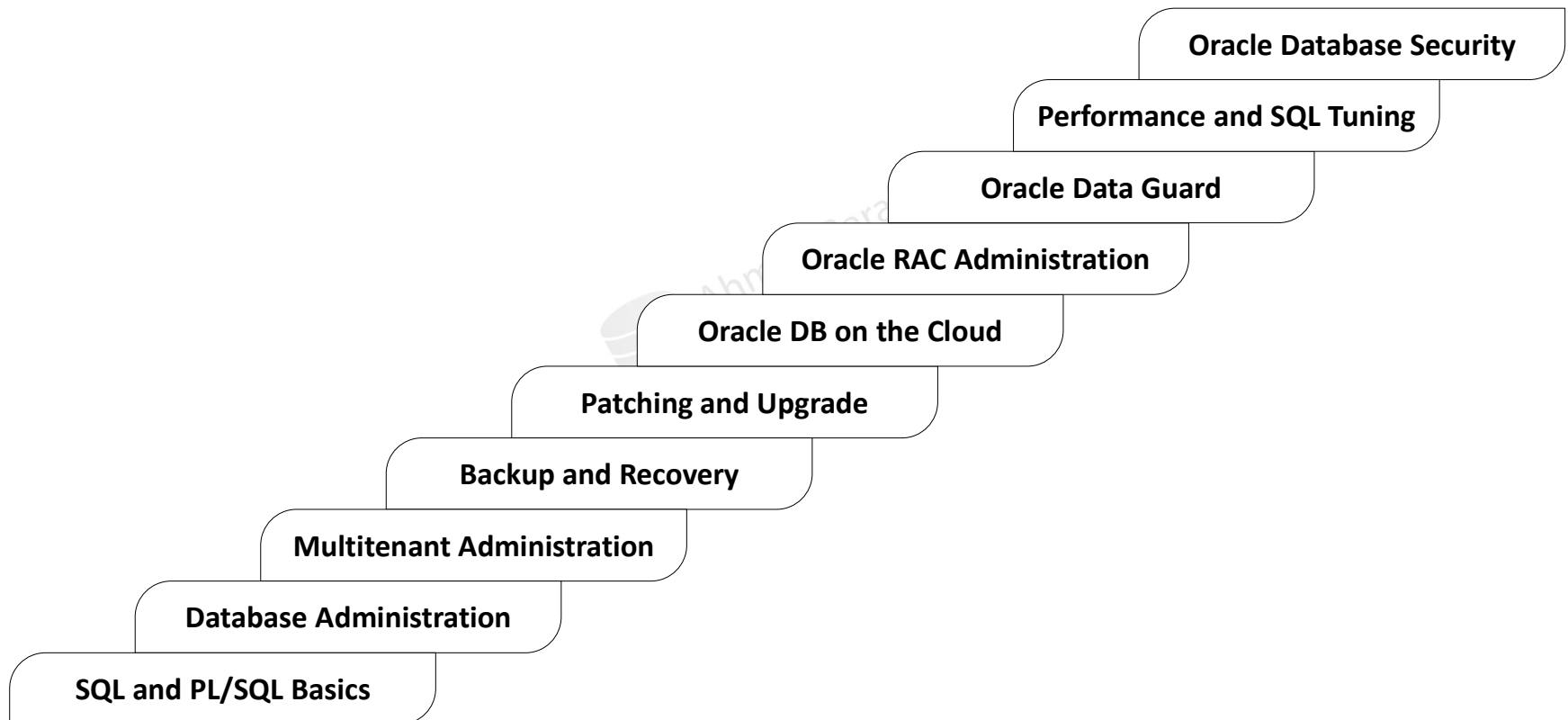
Oracle Database Administration a Proposed Learning Path



Oracle Database Administration: Co-managed Cloud Database Services



Oracle Database Administration: Fundamentals



Oracle Database Administration Learning Path: Specialized Technologies

- o Data Warehousing
- o Distributed Data
- o Spatial
- o Property Graph and RDF
- o Oracle Exadata machines
- o Oracle GoldenGate
- o Machine Learning
- o Oracle Apps DBA



Oracle DBA Demand in the Job Market

- Bull sources:
 - The introduction of Autonomous Databases in 2018
 - High cost of professional DBAs
 - The introduction of alternative solutions like MySQL and PostgreSQL
 - Cloud services provide easy to use tools
- Push sources:
 - Not all the systems can migrate their databases to Autonomous Database
 - Other cloud database services still need DBAs
 - More IT Systems are being deployed
- IT Recruitment websites demonstrate that DBAs are still required

Summary

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