

Table of Contents

- Overview 5
- About DBA University, Inc..... 5
- About Srini Ramineni – Oracle DBA Instructor and Founder of DBA University 6
- Eligibility 7
- Oracle Certified Professional (OCA, OCP) Certification 7
- Pricing and Registration 7
 - Live Online Training 7
 - On Demand Training 8
- Cloud based remote LAB Access 9
- Course Topics 9
 - Introduction to database management systems and databases..... 9
 - What is a database? 9
 - Popular database management system (DBMS) software and why Oracle DBMS. 9
 - History and Current trends of DBMS and Database Administration. 9
 - Oracle database market share and about its current competitive landscape..... 9
 - Tasks of a Database Administrator. 9
 - Installing Oracle database software (12c R1 and 12c R2)..... 9
 - Understand prerequisites for a successful Oracle RDBMS software installation. 9
 - Installation of Oracle 12c R1 database software with the latest patchset..... 9
 - Installation of Oracle 12c R2 database software 9
 - Oracle Database Architecture 9
 - Planning for an Oracle database creation..... 10
 - Creating an Oracle 12c R1 database using the CREATE DATABASE SQL command..... 10
 - Creating an Oracle 12c R2 database using the Graphical Tool (Database Configuration Assistant). . 10
 - How to configure and use Oracle Enterprise Manager (OEM) Database Express web based tool. ... 10

Understand initialization parameter files	10
Startup and Shutdown of a database.	10
View the database alert log	10
Components of an Oracle database and detailed architecture.....	10
Advance Startup and Shutdown scenarios.	10
Oracle database memory and process architecture.....	10
The Oracle database job scheduler API (DBMS_SCHEDULER package).....	10
Database storage	10
Oracle tablespaces and allocation types.....	10
How to create small file (default) and big file tablespaces.....	10
How to create datafiles with fixed size and auto extend option.....	10
What are control files and how to view control file content in a trace file.....	10
How to rename datafiles in a control file.	10
Temporary tablespaces and temporary tablespace groups.	10
Managing Undo Data	10
Oracle Networking	10
Introduction to Oracle Net Services component.	11
Oracle listener configuration (Dynamic and Static Listeners).....	11
Dynamic Service Registration and Naming Methods configuration in sqlnet.ora.....	11
Oracle database connections from other computers.....	11
Oracle netca (Network Configuration Assistant) tool for configuration file generation.	11
Oracle netmgr tool for adding database services to a static listener.ora configuration file.	11
Oracle listener administration and TNS_ADMIN environment variable.....	11
What are database links and learn about best practices in creating them.	11
Administering User Security	11
Create and manage database user accounts.....	11
Grant and revoke privileges.....	11
Create and manage roles.....	11
Create and manage profiles.....	11
Standard database auditing	11
Used Managed (Manual) Backup and Recovery	11

Backup and Recovery Concepts (Redo log files and archive log files.)	12
Backup and Recovery Configuration (Configure the fast recovery area and ARCHIVELOG mode.) ...	12
Introduction and planning for a robust Backup and Recovery Strategy.....	12
How to create a consistent database backup aka offline backup (COLD BACKUP)	12
Hot to create an inconsistent database backup aka online backup (HOT BACKUP).....	12
How to clone a database from a consistent database backup.	12
How to clone a database using Cancel based recovery from an inconsistent database backup.	12
How to clone a database using Time based recovery (Database point in time recovery) from an inconsistent database backup.....	12
RMAN Backup and Recovery.....	12
Advantages of RMAN method compared to the user-managed method.	12
Create consistent database backups using RMAN.....	12
Create inconsistent database backups (without shutting it down) using RMAN.	12
Oracle database backup metadata.	12
How to create incremental backups using RMAN.	12
How to clone a database using RMAN backup based duplication.....	12
How to restore and recover a full database from its RMAN backup.....	12
Use Data Recovery Advisor to perform recovery of the control file and redo log file.	12
How to drop a database using RMAN.....	12
Oracle database backup retention policies and backups to Tape/offsite.	12
How to purge old backups using RMAN.	12
Oracle database upgrades	12
Introduction to Oracle versions and how to understand a version.....	13
How to upgrade a database from Oracle 12c R1 to Oracle 12c R2.	13
How to upgrade from one patchset to another patchset within the same maintenance release.....	13
What are Oracle interim patches.....	13
How to apply SPU patches (Security Patch Updates).	13
How to apply a Patch Set Update (PSU).....	13
Learn about Oracle Interim Patch Installer (OPATCH).....	13
Oracle Data Movement Utilities	13
Oracle database logical backup and restore operations (Data Pump Export and Import).....	13

Business use cases of logical backups compared to physical backups.	13
Various Data Pump Export modes.	13
Data Pump Import to import data from an export backup.	13
Advanced features in Oracle Data Pump Export.	13
Oracle Database Performance Tuning	13
How to handle performance issues in the real world.....	14
V\$ dynamic views for performance monitoring and analysis.....	14
How to size the Oracle database memory structures for optimal performance.....	14
Oracle database wait events.....	14
Explain Oracle temporary space internals and sizing.	14
How to trace database sessions using DBMS_MONITOR and DBMS_SESSION packages.....	14
How to format SQL trace files using the tkprof utility.	14
How to generate on-error diagnostic dump files.	14
Index Monitoring and internals of index maintenance by Oracle.	14
Statistics data collection for Oracle database optimizer.	14
What is Oracle automatic workload repository (AWR) and how to obtain AWR reports.	14
Real world life of an Oracle DBA.....	14
Type of Oracle errors. Valid errors and internal exceptions (ORA-00600 and ORA-07445 errors)....	14
How to work with Oracle Support https://support.oracle.com to create Service Requests.....	14
Parlance and terminology used by Oracle DBAs.....	14
Working with Oracle Forums for issues.	14
Productivity tools required when you join the work place.....	14
Scheduling JOBS and scripts through UNIX/LINUX crontab utility.....	14
Oracle DBAAS (Database as a Service).....	14
Sign-up in https://cloud.oracle.com	15
Difference between a DBAAS instance and a database instance.	15
Navigate with My Services Dashboard	15
User authentication and roles	15
Generate a Secure Shell (SSH) Public/Private Key Pair	15
Oracle 12c ASM (Automatic Storage Management).....	15
Oracle 12c Database High Availability (RAC, DataGaurd).....	15

Unique Teaching Methodology.....	15
More Information	15

Overview

Database Administrators (DBAs) are responsible for the design, implementation, support and maintenance of computerized databases in today's organizations. The role also includes architecting, building and scaling databases for future data growth and capacity. They are also responsible for security, performance and availability of data to users and customers.

All the above tasks are performed with the help of a Database Management System (**DBMS**) and the leading and most widely used DBMS across the world today are the Oracle, Microsoft SQL Server, MySQL database etc.

DBAs play an important and responsible role in every company's Information Technology (IT) department. DBAs are also **very well paid**, and the average annual salary is **more than \$100,000** in the USA.

Furthermore, it is projected that the **demand for DBAs** will grow at the rate of 20% per year until 2023. www.cnn.com also published an article recently that Database Administrators are in the **TOP TEN** in-demand jobs for the next decade.

The leading technology job portal in the United States – www.dice.com often reports in its monthly job reports that DBAs are in the “Most Difficult to Fill” (**due to shortage of qualified DBAs**) IT job.

About DBA University, Inc.

DBA University, Inc. is a professionally run organization based in Chicago, USA specializing in training and services in computer database administration and development. We are currently offering training in Oracle DBA, Oracle SQL & PL/SQL, SQL Server DBA and Big Data with Hadoop using expert instructors and excellent REMOTE LAB access through **affordable prices**.

We are very dedicated and committed towards the success of our students. Our courses are **very hands-on** and aimed at **job placement** and preparing our students to face the real world with self-confidence and expert level technical skills in Oracle DBA, Oracle SQL & PL/SQL, SQL Server DBA and Big Data with Hadoop.

Most of our courses are taught online and hence students all over the world are welcome to register for our courses. Registration for our upcoming courses can be done at <https://www.DBAuniversity.com>

About Srin Ramineni – Oracle DBA Instructor and Founder of DBA University



The Oracle DBA training is provided by Srin Ramineni (Srin).

Srin's video is at <http://video.dbauniversity.com/2dH69/dba-university-remote-dba-services/>

Srin Ramineni is also the founder of DBA University and a well experienced IT Professional with solid experience and knowledge in Oracle DBA, Oracle SQL and PL/SQL. He is an ex Oracle Corporation employee and has provides training in an interactive method with lots of LAB practice work in his classes.

A person who has a good work experience need not be a good teacher and vice-versa. What makes Srini different from others is the way he teaches the Oracle DBA courses quoting real time problems he faced during his industry work experience and a practical way to resolve those problems. All the courses he teaches are bundled with lot of hands-on practice, challenging tests and above all, he makes his students fall in love with Database Administration.

He can be reached at srini@DBAuniversity.com

In short, Srini is a "**results oriented**" training provider with the dual aim of providing a world class training experience and helping our students secure a well-paying and stable job as an Oracle DBA.

Eligibility

Anyone is eligible to register for the Oracle DBA course. But If you are new to Oracle databases, we strongly recommend you to first complete our Oracle SQL Training course for \$399 at https://dbauniversity.com/course/oracle_sql_training/

Oracle Certified Professional (OCA, OCP) Certification

Students can use this training to prepare for majority of the topics required to pass the [Oracle Database 12c Administration 1Z0-062 examination](#) towards Oracle OCA certification (Oracle Certified Associate). The same training course can be used for preparation towards the Oracle Database 11g: Administration I 1Z0-052 examination as well. Additionally, students can also use this training to prepare for some topics required to pass the Oracle Database 12c: Advanced Administration 1Z0-063 exam that is required for acquiring the Oracle Certified Professional (OCP) designation.

Pricing and Registration

Live Online Training

The course fee for live online training is **\$799 (all-inclusive price)**. We also provide cloud-based remote lab access for practical exercises. Students can connect to the lab server using either a Windows PC or an Apple MAC computer using the Remote Desktop Connection program. So, it is very easy to connect to the lab server.

- a) Live online training using Cisco Webex online meeting software (AUDIO and VIDEO enabled.)
- b) 64-hour course.

Saturday and Sundays

8:00 am central time to 10:00 am central time

30 minutes break

10:30 am central time to 12:30 pm central time

- c) Remote Desktop Connection for lab practical exercises.
- d) Training material PDF book of 335 pages to each student.
- e) The training fee is **\$799 (all-inclusive price)**

We use a **DIGITAL WHITE BOARD** for teaching our courses. Teaching with a DIGITAL WHITE BOARD gives our students a traditional **classroom like experience**. The instructor Srinu Ramineni writes and draws by his free hand on the DIGITAL WHITE BOARD and all our students can see it in real time in the online classroom. This is a much better training methodology for easier understanding of the course topics.

Please purchase online at https://dbauniversity.com/course/oracle_dba_training/

We accept online DEBIT CARD, CREDIT CARD or PayPal.

On Demand Training

The course fee for on demand training is **\$499 (all-inclusive price)**. We provide cloud-based access to our **38** video recordings for 12 months of on demand access on a 24*7 basis and it also comes with our cloud lab access for 6 months (with an option to extend the lab access duration to 1 year). Students can connect to the lab using either a Windows PC or an Apple MAC computer using the Remote Desktop Connection program. So, it is very easy to connect to the lab server.

Even though it is an on-demand course based on video recordings, it still provides you a real classroom like experience because the videos are developed using a White Board. This is a very lengthy and comprehensive database administration course.

- a) 38 video recordings.
- b) Access for 12 months on a 24*7 basis.
- c) Each video is about 1 hour to 1.5 hours approximately.
- d) Remote Desktop Connection for 6 months. (with an option to extend the access time to 1 year)
- e) Training materials through Dropbox email download.
- f) The training fee is **\$499 (all-inclusive price)**

Please purchase online at https://dbauniversity.com/course/oracle_dba_training/

We accept online DEBIT CARD, CREDIT CARD or PayPal.

Cloud based remote LAB Access

- We provide a dedicated Remote Desktop Connection to each student to access our lab servers.
- Students can connect from either a Windows or MAC computer with an internet connection.
- We provide LINUX 64-bit server as the operating system for the lab practical exercises.

Course Topics

Introduction to database management systems and databases

What is a database?

Popular database management system (DBMS) software and why Oracle DBMS.

History and Current trends of DBMS and Database Administration.

Oracle database market share and about its current competitive landscape.

Tasks of a Database Administrator.

Installing Oracle database software (12c R1 and 12c R2)

Understand prerequisites for a successful Oracle RDBMS software installation.

Installation of Oracle 12c R1 database software with the latest patchset.

Installation of Oracle 12c R2 database software

Oracle Database Architecture

Planning for an Oracle database creation.

Creating an Oracle 12c R1 database using the CREATE DATABASE SQL command.

Creating an Oracle 12c R2 database using the Graphical Tool (Database Configuration Assistant).

How to configure and use Oracle Enterprise Manager (OEM) Database Express web based tool.

Understand initialization parameter files

Startup and Shutdown of a database.

View the database alert log

Components of an Oracle database and detailed architecture.

Advance Startup and Shutdown scenarios.

Oracle database memory and process architecture.

The Oracle database job scheduler API (DBMS_SCHEDULER package)

Database storage

Oracle tablespaces and allocation types.

How to create small file (default) and big file tablespaces.

How to create datafiles with fixed size and auto extend option.

What are control files and how to view control file content in a trace file.

How to rename datafiles in a control file.

Temporary tablespaces and temporary tablespace groups.

Managing Undo Data

Explain DML and undo data generation

How to add data files to undo tablespaces.

Configure undo retention.

Understand Oracle database read consistency

Oracle Networking

Introduction to Oracle Net Services component.

Oracle listener configuration (Dynamic and Static Listeners).

Dynamic Service Registration and Naming Methods configuration in sqlnet.ora.

Oracle database connections from other computers.

Oracle netca (Network Configuration Assistant) tool for configuration file generation.

Oracle netmgr tool for adding database services to a static listener.ora configuration file.

Oracle listener administration and TNS_ADMIN environment variable.

What are database links and learn about best practices in creating them.

Administering User Security

Create and manage database user accounts.

Grant and revoke privileges.

Create and manage roles.

Create and manage profiles.

Standard database auditing

How to audit DBA login sessions and statements

How to enable non-DBA login session auditing.

How to disable non-DBA login session auditing

How to purge older audit trail records.

Used Managed (Manual) Backup and Recovery

Backup and Recovery Concepts (Redo log files and archive log files.)

Backup and Recovery Configuration (Configure the fast recovery area and ARCHIVELOG mode.)

Introduction and planning for a robust Backup and Recovery Strategy.

How to create a consistent database backup aka offline backup (COLD BACKUP)

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How to clone a database from a consistent database backup.

How to clone a database using Cancel based recovery from an inconsistent database backup.

How to clone a database using Time based recovery (Database point in time recovery) from an inconsistent database backup.

RMAN Backup and Recovery

Advantages of RMAN method compared to the user-managed method.

Create consistent database backups using RMAN.

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Business use cases of logical backups compared to physical backups.

Various Data Pump Export modes.

Data Pump Import to import data from an export backup.

Advanced features in Oracle Data Pump Export.

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How to size the Oracle database memory structures for optimal performance.

Oracle database wait events.

Explain Oracle temporary space internals and sizing.

How to trace database sessions using DBMS_MONITOR and DBMS_SESSION packages.

How to format SQL trace files using the tkprof utility.

How to generate on-error diagnostic dump files.

Index Monitoring and internals of index maintenance by Oracle.

Statistics data collection for Oracle database optimizer.

What is Oracle automatic workload repository (AWR) and how to obtain AWR reports.

Real world life of an Oracle DBA

Type of Oracle errors. Valid errors and internal exceptions (ORA-00600 and ORA-07445 errors).

How to work with Oracle Support <https://support.oracle.com> to create Service Requests.

Parlance and terminology used by Oracle DBAs.

Working with Oracle Forums for issues.

Productivity tools required when you join the work place.

Scheduling JOBS and scripts through UNIX/LINUX crontab utility.

Oracle DBAAS (Database as a Service)

Sign-up in <https://cloud.oracle.com>

Difference between a DBAAS instance and a database instance.

Navigate with My Services Dashboard

User authentication and roles

Generate a Secure Shell (SSH) Public/Private Key Pair

Oracle 12c ASM (Automatic Storage Management)

For Oracle RAC, ASM and Data Guard we have a separate course conducted by Srinu Ramineni. Please purchase it at https://dbauniversity.com/course/oracle_rac_asm_dg_training/ for \$499.

Oracle 12c Database High Availability (RAC, DataGuard)

For Oracle RAC, ASM and Data Guard we have a separate course conducted by Srinu Ramineni. Please purchase it at https://dbauniversity.com/course/oracle_rac_asm_dg_training/ for \$499.

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More Information

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2. For additional information, please email srini@DBAUniversity.com