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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 2022. 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 courses in SQL Server DBA, Oracle DBA, Oracle SQL PL/SQL and Java Programming 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.

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 http://DBAuniversity.webex.com
Malathy Mani – Microsoft Certified Solutions Expert (MCSA)

The Microsoft SQL Server DBA Training is provided by Malathy Mani (Malathy).

Malathy has more than 15+ years of rich work experience in MS SQL Server DBA including in the latest SQL Server 2012 version. Malathy is a polite and courteous trainer who is very passionate in providing good training experiences to her students.

She is based in the United States and has very good communication skills.

She can be reached at Malathy@DBAuniversity.com

Malathy is also a Microsoft Certified Solutions Expert (MCSE: Data Platform) which is the advanced certification given by Microsoft Corporation.

Pricing and Registration

We offer world class SQL Server DBA training at an affordable price of $599. With $599, you get 6 weeks of training for 48 hours of quality instruction (and) approximately 320 hours of Dedicated REMOTE LAB for hands-on practice throughout the training.

Please register online and pay online at http://DBAuniversity.webex.com

We accept online DEBIT CARD, CREDIT CARD or PayPal.

Course Duration and Timings

Sunday, Monday, Tuesday and Wednesday

1. 6 weeks course. 48 hours of training.
2. Sun, Mon, Tue and Wed 8 pm Eastern Time to 10 pm Eastern Time
3. All our SQL Server DBA course registration information and schedule are displayed at http://DBAuniversity.webex.com
4. All the topics are very practical oriented so that students become hands-on and gain confidence in the course topics.

REMOTE LAB Access
• We provide the REMOTE IP address to the student to get access to server.
• The total no. of hours of LAB access is approximately 320 hours dedicated per student.

  16 hours each on Saturdays and Sundays
  6 hours each on Weekday evenings.
  6 weeks continuously.

• We provide Windows Server 2008 R2 as the operating system.

Course Topics

Introduction to database management systems and databases

What are a database and a database management system (DBMS?)
Introduction to Microsoft SQL Server and its overall SQL Server Data Platform
History and Current trends of DBMS and Database Administration
Tasks of a Database Administrator

SQL Server 2012 Installation

Editions of SQL Server 2012
Hardware and Software pre-requisites for a successful SQL Server installation.
Understanding SQL Server components.
Perform a successful SQL Server 2012 installation
Slipstreaming SQL Server installation with service packs.
Understanding SQL Server version identifiers, installed directories and conventions.
SQL Server 2012 Administration and Development Tools

Using SQL Server Books Online
Using SQL Server Management Studio (SSMS)
Using SQL Server Command Line interface
Using SQL Server Configuration Manager

SQL Server 2012 Architecture

Understanding SQL Server system databases.
Understanding the SQL Server database structure.
SQL Server files and filegroups.
SQL Server Transactional logs, Recovery Models.
What is the difference between SQL Server instance and database.
Client-Server Communication.
Attaching and detaching SQL Server databases.

SQL Server Database objects

Understanding Schemas
Understanding SQL Server data types
Understanding column properties
Creating tables, altering tables and adding constraints, relationships.
Understanding the filetable
Creating database diagrams

SQL Server Backup and Recovery – Part 1

Introduction to Backup and Recovery strategy for databases.
Full Database backups using SIMPLE Recovery Model
Full Database and Transactional log backups with FULL Recovery Model
Backup history and maintenance
Designing Maintenance plans for Backup Tasks

SQL Server Agent for scheduling backups

Database Mail for email notifications to DBAs.

**SQL Server Backup and Recovery – Part 2**

Introduction to Database Restore and Recovery

Full database restore

Full database restore and recovery of transactional logs

Restoring system databases

**SQL Server Data Export and Import (Data Movement)**

Partial Data export and import using the command line tools – BCP command

Partial Data export and import using GUI tools – Export and Import Wizard

Move or copy a full database.

**SQL Server security**

SQL Server authentication vs. Windows authentication

Auditing database logins using SQL Server Error Logging

SQL Server server-wide logins and database specific users

Creating user-defined server roles

Configuring contained databases.
Performance Tuning – Part 1

Understanding database indexes
Checking index fragmentation and maintaining them
Database statistics
Understanding SQL Server Profiler
Creating Traces
Running server-side traces

Performance Tuning – Part 2

Understanding the Extended Events architecture
Creating and configuring an Extended Events session
Using an extended events session to monitor system performance

SQL Server High Availability (Advance Topics)

Database Mirroring
Log Shipping
AlwaysOn
Failover cluster instance improvements
Creating AlwaysOn availability groups
Administering AlwaysOn Availability groups
Reading secondary database copies

Unique Teaching Methodology

We use a DIGITAL WHITE BOARD for teaching our online courses. Teaching with a DIGITAL WHITE BOARD gives our students a traditional classroom like experience. The instructor writes and draws by free hand on the DIGITAL WHITE BOARD and all our students can see it in real time in the online...
classroom. All the lectures are taught in this way. Also in most of the classes, students are given some time to perform the lab work by connecting to the remote lab server along with the lecture at the same time. This will help students to get hands-on on the same day with the same topic.

Please attend a FREE DEMO session at http://DBAuniversity.webex.com. We will give a DEMO on the DIGITAL WHITE BOARD, LAB access and all your questions will be answered.

More Information

1. Please register online for the SQL Server DBA course at http://DBAuniversity.webex.com
2. Please read our Frequently Asked Questions (FAQ) page at http://www.DBAuniversity.com/faq.html if you have more questions.
3. For any additional information email info@DBAuniversity.com. To reach the course instructor directly, please email malathy@DBAuniversity.com