

30+ hours of instructor-led training!

SQL Server 2005 Database Administration

• CourseId: 152 • Skill level: 200-500 • Run Time: 30+ hours (158 videos)

Course Description

This popular LearnItFirst.com course is a soup-to-nuts course that will teach you how to choose your edition, install, configure and manage any edition of SQL Server 2005. You'll learn the details of security, backup and recovery, replication, disaster recovery, and server automation using jobs and database maintenance tasks. Also included are overviews of using Integration Services and much more!

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- 1 - An Introduction to SQL Server
- 2 - Installing, Deploying, and Upgrading SQL Server
- 3 - Getting Started with SQL Server 2005 Express Editions
- 4 - Configuration: Services, Instances, Network Libraries, and More
- 5 - Tools, Utilities and Common Tasks for Managing SQL Server
- 6 - Database Creation, Management and Best Practices
- 7 - Architecture: System Databases, System Tables, and SQL Server Internals
- 8 - Security for SQL Server: Logins, Users, Roles and More
- 9 - Disaster Recovery: Backup, Recovery, Clustering, Mirroring, Log Shipping
- 10 - Automating SQL Server: SQL Server Agent, Jobs, Email, Alerts and Scheduling
- 11 - Monitoring and Performance Tuning SQL Server
- 12 - Replication in SQL Server
- 13 - Miscellaneous - Topics That Do Not Fit Anywhere Else

Pricing and Multi-User Licensing

LearnItFirst's courses are priced on a per user, per course basis. Volume discounts start for as few as five users. Please visit our website or call us at +1(877) 630-6708 for more information.

Packages and Bundles Available

This course is part of our "SQL Server 2005 Database Administrator" package and our "Visual Studio 2005 Developer" package. Each package features four courses and a savings of 25% off the retail price ("Buy 3 Get 1 Free").

\$99.95

per user

- Purchasing this course allows you access to view and download the videos for one full year
- Course may be watched as often as necessary during that time

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Who Is This Course Designed For?

People who have had some exposure to SQL Server but who have not undergone a full SQL Server 2005 DBA class. This is not a beginner-level course nor is an advanced course; it is intended for the beginner-to-intermediate and/or someone coming from another system (such as Oracle, DB2, or MySQL) who wants to learn how to administer a SQL Server.

Pre-Requisites

While a true beginner could take this course, it is actually recommended that you have at least 30 days experience working with SQL Server (or equivalent work experience with another database system) prior to taking this course.

About the Instructor

Scott Whigham is the founder of LearnItFirst.com, one of the web's most extensive video training libraries focusing on technical training. Scott is also an experienced consultant, trainer, and author with more than a decade of hands-on experience working with SQL Server databases, writing and debugging applications using Visual Studio, and performance tuning. Scott designed the architecture (websites, class libraries, and database) for the LearnItFirst.com websites and, most recently, was involved in upgrading the websites and support applications from Visual Studio 2005 to Visual Studio 2008 and to SQL Server 2008.



Before founding LearnItFirst, Scott had been an independent consultant since 1998 focusing on SQL Server and .NET performance tuning and data warehousing. Scott has been asked to speak and train at events in the United States and Europe. As an author, Scott has written courses on SQL Server and C# and VB languages as well as popular articles for top-selling magazines and the MSDN (Microsoft Developer Network) library.

Frequently Asked Questions

- *"How do I access the videos?"* You can access the videos 24/7 online via our website
- *"Do I have to have internet access to watch the videos?"* No! Users can download the videos to their hard drive.
- *"How long are the videos?"* The videos are broken into 10 minute task-oriented segments designed to teach you a single task
- *"How many videos are in a course?"* It depends on the topic; courses can have anywhere from 20 - 200 videos!

For More Details

Visit <http://www.learnitfirst.com/Course/152/SQL-Server-2005-DBA.aspx> for more information and to watch free sample videos from this course.

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Videos in this course:

Chapter 1: An Introduction to SQL Server

Viewed?

- 1.1 - Part 1 - A Technical Overview of SQL Server: What Is SQL Server?
- 1.2 - Part 2 - What Can I Do With SQL Server, Analysis Services, Reporting Services, & Integration Services?
- 1.3 - Part 3 - Who Uses SQL Server, Analysis Services, Reporting Services and Integration Services?
- 1.4 - Part 4 - Versions, Editions, Licensing, and Pricing
- 1.5 - Part 5 - A Look at the Hardware Requirements: CPU, Memory and Hard Drives
- 1.6 - Part 6 - Operating Systems and Other Software Requirements

Chapter 2: Installing, Deploying, and Upgrading SQL Server

- 2.1 - Part 1 - An Overview of the Setup Process Including Installing the Pre-Requisites
- 2.2 - Part 2 - Choosing the Right Installation For Your Organization
- 2.3 - Part 3 - Choosing Your Service Accounts and a Tour of SQL Server 2005's Services
- 2.4 - Part 4 - Choosing the Right SQL Server Authentication Mode
- 2.5 - Part 5 - Collations and How to Choose the Most Compatible Collation
- 2.6 - Part 6 - Verifying Our Installation and Reviewing The Install Logs
- 2.7 - Part 7 - A Look at the Installed Folders
- 2.8 - Part 1 - An Overview of the Default SQL Server Installation
- 2.9 - Part 2 - My How Things Have Changed - A Walk-Through of Some New Tools in SQL Server 2005
- 2.10 - Part 1 - An Overview of the Options Available for Upgrading and Migrating
- 2.11 - Part 2 - Installing the SQL Server Upgrade Advisor from the CD and Upgrading From the Web
- 2.12 - Part 3 - Running the Jan 2006 Microsoft SQL Server Upgrade Against a SQL Server 7.0 Instance
- 2.13 - Part 4 - Running the Jan 2006 Microsoft SQL Server Upgrade Against a SQL Server 2000 Instance
- 2.14 - Pt. 1 - An Overview of Installing SQL Server 2005 Service Pack 2 (SP2)
- 2.15 - Pt. 2 - Applying Service Pack 2 to a Default Instance
- 2.16 - Pt. 3 - Discussion on Post-Sp2 Hotfix Options and New Features
- 2.17 - Pt. 4 - How to Write Custom Reports for SQL Server 2005 SP2

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Videos in this course:(cont.):

Chapter 2: Installing, Deploying, and Upgrading SQL Server

Viewed?

2.18 - Pt. 5 - How to Install and Use the SQL Server 2005 Performance Dashboard Reports

Chapter 3: Getting Started with SQL Server 2005 Express Editions

3.1 - What Are the Express Editions?

3.2 - Migrating From Express Edition to SQL Server Enterprise/Standard/et al

3.3 - Pt. 1 - Installing SQL Server 2005 Express Edition on Windows Vista

3.4 - Pt. 2 - Installing SQL Server 2005 Express Edition on Windows Vista

3.5 - Pt. 3 - Working with the Documentation and Books Online

3.6 - Pt. 4 - Working With SQL Server 2005 Management Studio Express Edition

3.7 - Installing Visual Studio and SQL Server Express Edition - Part 1

3.8 - Pt. 2 - Installing SQL Server 2005 Express Editions

3.9 - Pt. 3 - Post-Install: Examining an Installation of SQL Server 2005 Express Edition

3.10 - Pt. 4 - Using the SQL Server Configuration Manager

3.11 - Pt. 5 - Using SQL Server Management Studio (SSMS) Express

Chapter 4: Configuration: Services, Instances, and Network Libraries

4.1 - Multiple Instances - Lecture on When They're Appropriate and Special Considerations

4.2 - SQL Server 2005 Services and Service Accounts - What They Do and What's New

4.3 - Part 1 - How to Configure SQL Server 2005 for Remote Connections Using TCP IP and Named Pipes

4.4 - Part 2 - SQL Server Network Library Discussion - TCP IP Connections and TCP IP Ports

4.5 - Part 3 - Understanding the SQL Server Configuration Manager's Display of TCP IP Properties

4.6 - Part 4 - How to Change the SQL Server 2005 TCP Port Using SQL Server Configuration Manager

4.7 - Part 5 - How to Configure SQL Server 2005 to Listen on Multiple TCP IP Ports

4.8 - Part 6 - Using Aliases with TCP IP Connections

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Videos in this course:(cont.):

Chapter 5: Tools, Utilities and Common Tasks for Managing SQL Server Viewed?

- 5.1 - Creating Database Diagrams in SQL Server Management Studio
- 5.2 - How to Upgrade The Documentation of SQL Server 2005 (Books Online)
- 5.3 - ODBC, OLE-DB, UDLs and the SQL Native Client
- 5.4 - Templates in SQL Server Management Studio - What They Are and How to Use Them
- 5.5 - My Favorite SSMS Tweak (by Scott Whigham)
- 5.6 - Building a Custom MMC for Use with SQL

Chapter 6: Database Creation, Management and Best Practices

- 6.1 - An Overview of the Database Files - Data Files, the Transaction Log and Additional Data Files
- 6.2 - An Overview of the AdventureWorksDW Database
- 6.3 - An Overview of the Northwind Database
- 6.4 - Database Compatibility Levels and sp_dbcmptlevel
- 6.5 - Part 1 - An Overview of the AdventureWorks Database
- 6.6 - Part 2 - An Overview of the AdventureWorks Database - Database Diagrams and DDL Triggers
- 6.7 - How to Copy a Database to a Web Host Using the SQL Server Database Publishing Wizard
- 6.8 - How to Move a Database Using Backup and Restore
- 6.9 - How to Move a Database Using Detach and Attach
- 6.10 - How to Move a Database Using The Transfer Database Task in SSIS
- 6.11 - Options Available for Moving Databases From One Instance/Server to Another
- 6.12 - Pt. 1 - How to Synchronize Logins Between Two Servers
- 6.13 - Pt. 2 - Understanding How Logins in SQL Server Work (SQL Logins, Windows Logins)
- 6.14 - Pt. 3 - A Field Guide to Synchronizing Logins Between SQL Servers
- 6.15 - Pt. 4 - Issues With SIDs, Server Logins, Principals and Users
- 6.16 - Pt. 5 - Understanding the Different Ways to Synchronize Logins Between Servers

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Videos in this course:(cont.):

Chapter 7: Architecture: System Databases and System Tables

Viewed?

- 7.1 - How SQL Server 2005 Uses the Registry and Changes to the Registry
- 7.2 - How SQL Server Logs Errors - The SQL Server Error Log and Configuration
- 7.3 - Model Database - An Overview of How to Use It and When to Use It (SQL Server 2005)
- 7.4 - TempDb Database - An Overview of How it Works and When to Use It
- 7.5 - How to Change the Master Database's File Locations
- 7.6 - Pt. 1 - Understanding SQL Server Page Structures and Clustered Index Structure
- 7.7 - Pt. 2 - How to View and Understand a SQL Server Data Page (and Index Pages, GAM, IAM, PFS, etc)
- 7.8 - Pt. 3 - Understanding What Really Happens (Internally) When a Page Split Occurs
- 7.9 - Pt. 4 - How to View (and Understand) the Contents of the SQL Server Transaction Log
- 7.10 - Pt. 5 - What Are 'Ghost Records'? What Happens Internally When You Delete a Row?
- 7.11 - Part 1-A Deeper Look at Pages and Extents Using SQL Internals Viewer
- 7.12 - Part 2-A Deeper Look at Pages and Extents Using SQL Internals Viewer
- 7.13 - Part 3-A Deeper Look at Pages and Extents Using SQL Internals Viewer

Chapter 8: Security for SQL Server: Logins, Users, Roles and More

- 8.1 - Creating SQL Server Authentication Logins in the Enterprise Manager
- 8.2 - Peculiarities of the Database Role ddl_admin
- 8.3 - Part 1 - Cross Database Ownership Chaining - What It Is and When to Use It
- 8.4 - Part 2 - Cross Database Ownership Chaining - What It Is and When to Use It
- 8.5 - Part 1: How to View Members of a Windows Group Using SQL
- 8.6 - Part 2: How to View Members of a Windows Group Using SQL

Chapter 9: Disaster Recovery

- 9.1 - Backup and Recovery - An Introduction to the Three Main Types of Backups in SQL Server 2000
- 9.2 - Backup Devices, Backup Sets, Database Dumps and Media Sets

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Videos in this course:(cont.):

Chapter 9: Disaster Recovery

Viewed?

- 9.3 - Help - My Transaction Log Is Full and Has Taken Up the Entire Disk! Emergency!
- 9.4 - SQL Server 2005 Transaction Log Is Full - log_reuse_wait_desc and sys.databases Error
- 9.5 - Pt. 1 - An Overview of SQL Server Clustering
- 9.6 - Pt. 2 - An Overview of SQL Server Clustering
- 9.7 - Pt. 1 - An Overview of the Active/Passive (Single Instance) Cluster
- 9.8 - Pt. 2 - Setting Up an Active/Passive (Single Instance) Cluster
- 9.9 - Pt. 3 - Reviewing the Cluster Installation
- 9.10 - Pt. 4 - Installing the Client Tools and Managing the Cluster
- 9.11 - Pt. 1 - Installing Service Pack 2 on Your SQL Server Cluster
- 9.12 - Pt. 2 - Verifying the Service Pack Installation
- 9.13 - Pt. 1 - Transactions and Failover
- 9.14 - Pt. 2 - Transactions and Failover
- 9.15 - Pt. 1 - An Introduction to Log Shipping in SQL Server 2005
- 9.16 - Pt. 2 - Log Shipping Concepts, Architecture and Requirements
- 9.17 - Pt. 3 - Why Use Log Shipping? Pros/Cons of Log Shipping and Mirroring/Clustering
- 9.18 - Pt. 4 - How to Set Up Log Shipping Using SQL Server Management Studio's Properties Window
- 9.19 - Pt. 5 - Configuring the Standby Server for NORECOVERY and Using a Monitor Server
- 9.20 - Pt. 6 - Configuring the Standby Server for READ ONLY / STANDBY Access
- 9.21 - Pt. 7 - How to Failover Your Log Shipped Database to the Standby Server
- 9.22 - Pt. 8 - Log Shipping Security: Credentials, Jobs, Proxy Accounts, Login SIDs and More

Chapter 10: Automating SQL Server

- 10.1 - SQL DBA 101: How to Quickly Schedule a Backup Job
- 10.2 - Pt. 1 - Introduction to SQL Server 2005 Maintenance Plans
- 10.3 - Pt. 2 - Index-Related Tasks in SQL Server 2005

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Chapter 10: Automating SQL Server

Viewed?

- 10.4 - Pt. 3 - The Cleanup History, Execute SQL Server Agent job, and Back Up Database Tasks
- 10.5 - Pt. 4 - Modifying Maintenance Plans
- 10.6 - Part 1 - How to Be a Proactive DBA: What Are Alerts?
- 10.7 - Part 2 - Using Event Alerts (Error Alerts) And RAISERROR for Custom Error Alerts
- 10.8 - Part 3 - How to Use Alerts with SQL Server System Error Messages and Events
- 10.9 - Part 4 - Performance Condition Alerts in SQL Server 2005
- 10.10 - Part 5 - Define a Performance Condition Alert to Keep Your Log From Filling Up
- 10.11 - Part 6 - SQL Server 2005 WMI Event Alerts: How to Write WQL for WMI
- 10.12 - Part 1- Automation with Stored Procedures: Automate Backup,Restore, Copy
- 10.13 - Part 2- Writing the Stored Procedure to Backup a Database: Part A
- 10.14 - Part 3- Writing the Stored Procedure to Backup a Database: Part B
- 10.15 - Part 4- Writing the Stored Procedure to Restore a Database
- 10.16 - Part 5 - Writing the Stored Procedure to Copy a Database
- 10.17 - Part 6 - Finalizing the Automation with a SQL Job and Windows Task

Chapter 11: Monitoring and Performance Tuning SQL Server

- 11.1 - Performance Tuning Query Tips That Everyone Should Know - Using DBCC and SET Commands
- 11.2 - SET Commands for Performance Tuning and Query Execution Statistics
- 11.3 - Pt. 1 - Using SQL Profiler - Concepts, Terms and Screens
- 11.4 - Pt. 2 - Determining Which Events and Data Columns to Use in Your Trace
- 11.5 - Pt. 3 - Performance Tuning Profiler and Traces By Adding Filters and Working with Large Traces
- 11.6 - Pt. 4 - Managing, Viewing and Interpreting SQL Server Traces
- 11.7 - Pt. 5 - Templates and Working Within the Profiler UI
- 11.8 - Part1 - Dynamic Management Views (DMVs) for Monitoring Users and Transactions

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Chapter 11: Monitoring and Performance Tuning SQL Server

Viewed?

- 11.9 - Part2 - Dynamic Management Views (DMVs) for Monitoring Users and Transactions
- 11.10 - Part3 - Dynamic Management Views (DMVs) for Monitoring Users and Transactions
- 11.11 - Part4 - Dynamic Management Views (DMVs) for Monitoring Users and Transactions
- 12.1 - Pt. 1 - Setting Up the Distributor and Publisher for Transactional Replication
- 12.2 - Pt. 2 - Setting Up Publications for Transactional Replication
- 12.3 - Pt. 3 - Setting Up Push and Pull Subscriptions

Chapter 12: Replication in SQL Server

- 12.4 - Pt. 1 - An Introduction to the Concepts and Terms of SQL Server Replication
- 12.5 - Pt. 2 - The Three Most Common Types of SQL Server Replication
- 12.6 - Pt. 3 - Publications and Subscriptions

Chapter 13: Miscellaneous - Topics That Do Not Fit Anywhere Else!

- 13.1 - Pt. 1 - Event Notifications in SQL Server 2005: How to Perform Extensive Auditing of All Logins
- 13.2 - Pt. 2 - Understanding Queues, Routes, Services, and How Our Logon Stored Proc Works
- 13.3 - Pt. 3 - Testing the Event Notification and Viewing the Windows Application Event Log
- 13.4 - Part 1 - How to Make a Table Read-Only in SQL Server
- 13.5 - Part 2 - Filegroups, Data Files, and Placement: How to Place a Table or Index on a Filegroup
- 13.6 - Part 3 - Indexes, Data Placement, and How to Kill Everyone (in the Database!)
- 13.7 - Pt. 1 - An Introduction to Bulk Operations in SQL Server
- 13.8 - Pt. 2 - An Overview of the Various Scenarios and Tools Available for Bulk Loads
- 13.9 - Pt. 3 - Finishing Our Overview of Bulk Load Tools and DROPCLEANBUFFERS
- 13.10 - Pt. 4 - An Overview of the BCP Utility and Our Testing Scenarios
- 13.11 - Pt. 5 - Format Files and BCP: Creating a Format File To Load Your Flat File
- 13.12 - Pt. 6 - More on Format Files, .fmt Files, and the New XML Format Files

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Chapter 13: Miscellaneous - Topics That Do Not Fit Anywhere Else!

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13.13 - Pt. 7 - How to Manage Triggers and Check Constraints During Bulk Operations

13.14 - Pt. 8 - Loading an Empty Table With No Indexes vs. Empty Table With Indexes

13.15 - Pt. 9 - BULK INSERT and the OPENROWSET Functions as Alternatives to BCP

13.16 - Pt. 10 - SQL Server Intergration Services BULK INSERT Task

13.17 - Pt. 11 - Loading Flat Files Using the SQL Server Integration Services Data Flow Task

13.18 - Pt. 12 - Understanding the FastParse Option

For More Details

Visit <http://www.learnitfirst.com/Course/152/SQL-Server-2005-DBA.aspx> for more information and to watch free sample videos from this course.

About LearnItFirst.com: LearnItFirst is a leader in online video training for the Microsoft community. With nearly 400 hours of classroom-quality video training online, LearnItFirst has one of the largest online training video libraries on the web today. LearnItFirst's online courses are a cross between a "live" instructor-led class and a "how to" book. Customers get the affordability and portability of a book and the "Watch and Learn" of having a live instructor. All courses feature full-screen resolution videos with high quality audio to ensure the very best possible training experience. LearnItFirst.com LLC was founded in 2004 and is based in Dallas, Texas.



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