

31+ hours of instructor-led training!

SQL Server 2005 Integration Services

• CourseId: 153 • Skill level: 200-500 • Run Time: 31+ hours (162 videos)

Course Description

This popular LearnItFirst.com course is one of our most popular courses. Master trainer Scott Whigham takes you through the steps you need to migrate data to and fro. You'll learn package management, creation, configuration, security, debugging and much more!

Table of Contents

- 1 - Introduction to Integration Services
- 2 - Package Management - Security, Storage, Logging and Change Management
- 3 - Variables and Expressions - Creating Dynamic SSIS Packages
- 4 - Creating SSIS Packages - Container-based Tasks
- 5 - Data Transformation and Data Flow Tasks in SSIS
- 6 - Scripting and Using .NET Assemblies in SSIS
- 7 - Package Execution and Scheduling
- 8 - Migrating and Upgrading From SQL Server 2000 DTS to SSIS in SQL 2005
- 9 - 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?

This course is designed to offer coverage for beginners as well as advanced users. No prior knowledge of SSIS is required but prior working experience with SQL Server 2000 or SQL Server 2005 is necessary to get the most out of this course.

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/153/SSIS-2005.aspx> for more information and to watch free sample videos from this course.

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Videos in this course:

Chapter 1: Introduction to Integration Services

Viewed?

1.1 - Pt. 1 - An Overview of Using SSIS for Newbies and Beginners	<input type="checkbox"/>
1.2 - Pt. 2 - An Overview of Using SSIS - Using SQL Server Management Studio	<input type="checkbox"/>
1.3 - Pt. 3a - An Overview of Using SSIS for Newbies and Beginners - Using BIDS	<input type="checkbox"/>
1.4 - Pt. 3b - An Overview of Using SSIS for Newbies and Beginners - Using BIDS	<input type="checkbox"/>
1.5 - Pt. 3c - An Overview of Using SSIS for Newbies and Beginners - Using BIDS	<input type="checkbox"/>
1.6 - Pt. 3d- An Overview of Using SSIS for Newbies and Beginners - Using BIDS	<input type="checkbox"/>
1.7 - Pt. 1- Introduction to SQL Server 2005's Integration Services	<input type="checkbox"/>
1.8 - Pt. 2 - Creating Your First SSIS Packages (Integration Services Packages)	<input type="checkbox"/>
1.9 - Pt. 3 - Introduction to SSIS Package Deployment	<input type="checkbox"/>
1.10 - Pt. 4 - How to Schedule an SSIS Package (Introduction)	<input type="checkbox"/>
1.11 - Pt. 1 - An Introduction to SQL Server Management Studio (SSMS)	<input type="checkbox"/>
1.12 - Pt. 2 - SQL Server Management Studio (SSMS) Functionality and Available Options	<input type="checkbox"/>
1.13 - Pt. 3 - Changing Table Design and Properties; Using the Query Designer in SSMS	<input type="checkbox"/>
1.14 - Pt. 4 - Viewing Reports; Configuring and Viewing the SQL Server and Windows Application Event Log	<input type="checkbox"/>
1.15 - Part 1 - The Start of a Long Series: Understanding the Toolbox	<input type="checkbox"/>
1.16 - Part 2 - The Various Tabs in the Toolbox; How to Customize the SSIS Toolbox	<input type="checkbox"/>
1.17 - Part 3 - The SSIS Containers: Containers and the Task Host Container	<input type="checkbox"/>
1.18 - Part 4 - The SSIS Containers: For Loop, Foreach Loop, and the Sequence Container	<input type="checkbox"/>
1.19 - Part 5 - Tasks: The ActiveX Script Task, Analysis Services Tasks, and the Bulk Insert Tasks	<input type="checkbox"/>
1.20 - Part 6 - Tasks: The Data Flow Task	<input type="checkbox"/>
1.21 - Part 7 - Tasks: Data Mining Query, Data Profiling, and Execute DTS Package	<input type="checkbox"/>
1.22 - Part 8 - Tasks: The "Execute" Tasks	<input type="checkbox"/>
1.23 - Part 9- Tasks: File System, FTP, Message Queue, and Script	<input type="checkbox"/>
1.24 - Part 10 - The DBA Tasks	<input type="checkbox"/>
1.25 - Part 11 - Web Service Task, WMI Data Reader Task, WMI Event Watcher Task, XML Task	<input type="checkbox"/>
1.26 - Part 12: A Tour of the SSIS Maintenance Tasks	<input type="checkbox"/>

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Videos in this course (cont.):

Chapter 2: Package Management - Security, Storage, and Logging

Viewed?

2.1 - Tips on Documenting and Annotating Your SSIS Packages	<input type="checkbox"/>
2.2 - Formatting Options in SSIS - How to Make Your Packages More Manageable	<input type="checkbox"/>
2.3 - Troubleshooting SSIS: Identify and Repair Common Connection/Password Problems	<input type="checkbox"/>
2.4 - Pt. 1 - An Overview of Package Logging and Auditing Options in SSIS	<input type="checkbox"/>
2.5 - Pt. 2 - Understanding SSIS Logging and Using the Log Events Window	<input type="checkbox"/>
2.6 - Pt. 3 - Using the Windows Event Log and Text File Log Providers	<input type="checkbox"/>
2.7 - Pt. 4 - Using the SQL Server and SQL Profiler Log Providers	<input type="checkbox"/>
2.8 - Pt. 5 - Using Filters, Understanding UseParentSettings, and More	<input type="checkbox"/>
2.9 - Pt. 1 - Using Custom Log Providers to Log to HTML Web Pages and Email	<input type="checkbox"/>
2.10 - Pt. 2 - Using the HtmlLogProvider Custom Log Provider to Log Package Data to a Web Page	<input type="checkbox"/>
2.11 - Pt. 3 - Using the EmailLogProvider Custom SSIS Log Provider to Log Package Execution Data to Email	<input type="checkbox"/>
2.12 - Pt. 1 - Understanding How 'Context' Works in SSIS Package Execution	<input type="checkbox"/>
2.13 - Pt. 2 - Understanding Execution Context When Executing an SSIS Package As a Job	<input type="checkbox"/>
2.14 - Pt. 3 - Using Proxies and Credentials When Scheduling Your SSIS Package As a SQL Server Job	<input type="checkbox"/>
2.15 - Pt. 1 - What Are Package Configurations and How Can I Use Them?	<input type="checkbox"/>
2.16 - Pt. 2 - How to Schedule a Job to Execute An SSIS Package Using Package Configuration Files	<input type="checkbox"/>
2.17 - Pt. 3 - A Look at the Various Options Available in Package Configurations	<input type="checkbox"/>
2.18 - How to Use Environment Variables In Your Package Configurations	<input type="checkbox"/>
2.19 - How to Use SQL Server Tables to Store Your Package Configurations	<input type="checkbox"/>
2.20 - Pt. 1 - How to Schedule an SSIS Package As a SQL Server Job	<input type="checkbox"/>
2.21 - Pt. 2 - How to Execute An SSIS Package Stored in SQL Server (msdb) As a SQL Server Job	<input type="checkbox"/>
2.22 - Pt. 3 - Using Package Configurations to Create Dynamic SSIS Package Jobs	<input type="checkbox"/>
2.23 - Pt. 1 - An Overview of Package Deployment Options: File System and msdb Storage	<input type="checkbox"/>
2.24 - Pt. 2 - What is the SSIS Package Store and How Can I Configure It?	<input type="checkbox"/>
2.25 - Pt. 3 - Organizing Packages With Folders in the SSIS Package Stored and msdb; Final Thoughts	<input type="checkbox"/>

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Videos in this course (cont.):

Chapter 2: Package Management - Security, Storage, and Logging

Viewed?

- 2.26 - Pt. 1 - Understanding the SSIS Package ProtectionLevel Settings
- 2.27 - Pt. 2 - Encryption, User Keys, Passwords and More SSIS ProtectionLevel Options
- 2.28 - Pt. 3 - Corrupt Package Error Messages and Package Passwords
- 2.29 - Part1 - What Are Package Configurations and How Do You Use Them?
- 2.30 - Part2 - Using SQL Server Package Configurations in SSIS
- 2.31 - Part3 - Best Practices for Managing SSIS Package Configurations Stored in SQL Server (Pt. A)
- 2.32 - Part4 - Best Practices for Managing SSIS Package Configurations Stored in SQL Server (Pt. B)
- 2.33 - Part5 - Best Practices for Managing SSIS Package Configurations Stored in SQL Server (Pt. C)
- 2.34 - Part6 - SSIS Package Configurations: Importing a Text File (Pt. A)
- 2.35 - Part7 - SSIS Package Configurations: Importing a Text File Pt. B)

Chapter 3: Variables and Expressions - Creating Dynamic SSIS Packages

- 3.1 - Pt. 1 - Expressions - An Introduction to Using Expressions in SSIS
- 3.2 - Pt. 2 - Expressions - Using Expressions In SSIS Tasks
- 3.3 - Pt. 3 - Expressions - Datatypes and Functions
- 3.4 - Variables in SSIS
- 3.5 - Part1-An Introduction to Using Variables in SQL Server Integration Services
- 3.6 - Part2-Setting and Getting Variables Using the Script Task and Visual Basic (VBA)
- 3.7 - Part3-How Scoping and Namespaces Work With SSIS Variables
- 3.8 - Part4-Using Variables in the Data Flow Task, Data Sources, and Destinations
- 3.9 - Part5-Using Dynamically Assigned Table/View Names in Your Data Flow Tasks
- 3.10 - Part6-Variables and the Execute SQL Task
- 3.11 - Part7-A Better Way to Do Input Parameters and Parameter Mapping
- 3.12 - Part8-How to Capture Output Parameters and Return Values From Stored Procedures
- 3.13 - Part9-Storing Full Result Sets in Variables and Using the Foreach Loop for Iteration

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Videos in this course (cont.):

Chapter 4: Creating SSIS Packages - Container-based Tasks

Viewed?

- 4.1 - Working With the Foreach Loop Container - Iterating Through Files in a Folder
- 4.2 - Pt. 1 of Working with the Container Tasks in SSIS - An Overview of Each Container Task
- 4.3 - Pt. 2 of Working with the Container Tasks - the For Loop Container
- 4.4 - Pt. 3 of Working with the Container Tasks - the Foreach Loop Container

Chapter 5: Data Transformation and Data Flow Tasks in SSIS

- 5.1 - Options Available for Performing Incremental Updates/Deltas with SSIS
- 5.2 - One Way to Export an XML File Using SSIS
- 5.3 - Pt. 1 - An Intro to Using the Script Component In a Transformation
- 5.4 - Pt. 2 - Using a Script Component in a Data Flow Task Transformation
- 5.5 - Pt. 3 - Customizing the Script Component Transformation with VB.NET
- 5.6 - Pt. 4 - Using a Script Component as a Source Connection
- 5.7 - Pt. 5 - Customizing the Script Component to be a Data Source
- 5.8 - Pt. 6 - Finalize the Script Component as Source Data Flow & Using Script Components as a Destination
- 5.9 - Pt. 1 - How to Perform Set-Based Incremental Updates (SQL Server to SQL Server)
- 5.10 - Pt. 2 - How to Perform Set-Based Incremental Updates (SQL Server to SQL Server)
- 5.11 - Pt. 3 - How to Perform Set-Based Incremental Updates (SQL Server to SQL Server)
- 5.12 - Pt. 4 - How to Perform Set-Based Incremental Updates (SQL Server to SQL Server)
- 5.13 - Pt. 5 - How to Perform Set-Based Incremental Updates (SQL Server to SQL Server)
- 5.14 - Pt. 1 - An Introduction to Bulk Operations in SQL Server
- 5.15 - Pt. 2 - An Overview of the Various Scenarios and Tools Available for Bulk Loads
- 5.16 - Pt. 3 - Finishing Our Overview of Bulk Load Tools and DROPCLEANBUFFERS
- 5.17 - Pt. 4 - An Overview of the BCP Utility and Our Testing Scenarios
- 5.18 - Pt. 5 - Format Files and BCP: Creating a Format File To Load Your Flat File
- 5.19 - Pt. 6 - More on Format Files, .fmt Files, and the New XML Format Files

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Videos in this course (cont.):

Chapter 5: Data Transformation and Data Flow Tasks in SSIS

Viewed?

- 5.20 - Pt. 7 - How to Manage Triggers and Check Constraints During Bulk Operations
- 5.21 - Pt. 8 - Loading an Empty Table With No Indexes vs. Empty Table With Indexes
- 5.22 - Pt. 9 - BULK INSERT and the OPENROWSET Functions as Alternatives to BCP
- 5.23 - Pt. 10 - SQL Server Intergration Services BULK INSERT Task
- 5.24 - Pt. 11 - Loading Flat Files Using the SQL Server Integration Services Data Flow Task
- 5.25 - Pt. 12 - Understanding the FastParse Option
- 5.26 - Part 1 - How to Import Microsoft Access Tables to SQL Server Using SSIS
- 5.27 - Part 2 - Limitations of the Import/Export Wizard
- 5.28 - Part 3 - Hand-Writing Your Own Access Import Data Flow Tasks
- 5.29 - Part 4 - Queries, Scripting, NOT EXISTS, and Final Thought

Chapter 6: Scripting and Using .NET Assemblies in SSIS

- 6.1 - Pt. 1 - Installing Visual Studio 2005 Express Editions
- 6.2 - Pt. 2 - Writing .NET Assemblies and an Overview of Assembly Use
- 6.3 - Pt. 3 - An Overview of Importing .NET Assemblies into SSIS
- 6.4 - Pt. 4 - Adding Custom Assemblies Correctly
- 6.5 - Pt. 5 - Adding Custom Assemblies to the GAC
- 6.6 - Pt. 6 - Using Custom Assemblies in the Script Component Task
- 6.7 - Pt. 7 - Versioning Assemblies and Redeploying For Use in SSIS Packages
- 6.8 - Pt. 1 - An Overview of Creating High Quality Reports Using Excel and SSIS
- 6.9 - Pt. 2 - Configuring Variables and Setting Up the Data Flow Task
- 6.10 - Pt. 3 - How to Install the Office Primary Interop Assemblies for Use in SSIS
- 6.11 - Pt. 4 - Writing Script Tasks in SSIS to Use the Office PIAs
- 6.12 - Pt. 5 - Finishing Our SSIS Package

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Videos in this course (cont.):

Chapter 7: Package Execution and Scheduling

Viewed?

- 7.1 - How to Add a Progress Bar/Indicator to Your SSIS Packages
- 7.2 - Pt. 1 - An Overview of the Various Options for Executing SSIS Packages Outside of SSMS and BIDS
- 7.3 - Pt. 2 - An Overview of How to Execute SSIS Packages With C#
- 7.4 - Pt. 3 - An Overview of How to Execute SSIS Packages With Visual Basic
- 7.5 - Pt. 4 - An Overview of How to Override Event Handlers in C# and Visual Basic
- 7.6 - Pt. 5 - How to Pass In Variables and Set Variable Values for SSIS Packages Using .NET
- 7.7 - Pt. 6 - More Options: Using DTEXEC.exe and DTEXECUI.exe
- 7.8 - Pt. 7 - More on DTEXEC; How to Execute SSIS Packages In Windows PowerShell; Using xp_cmdshell
- 7.9 - Pt. 8 - How to Execute a SQL Server SSIS-Based Job Remotely Using sp_start_job
- 7.10 - Pt. 9 - sp_start_job Options and Security: Credentials, Proxy Accounts and More
- 7.11 - Pt. 10 - How to Execute An SSIS Package in ASP.NET: Should You Use XML Web Services or a SQL Job?

Chapter 8: Migrating and Upgrading From SQL Server 2000 DTS to SSIS

- 8.1 - Options for Migrating from SQL Server 2000 DTS to SSIS in SQL Server 2005
- 8.2 - Using the Package Migration Wizard to Upgrade Your DTS Packages to SSIS
- 8.3 - Upgrading from DTS to SSIS: Running the SQL Server 2005 Upgrade Advisor
- 8.4 - Pt. 1 - An In-Depth Case Study of Migrating a DTS Package to SSIS
- 8.5 - Pt. 2 - An In-Depth Case Study of Migrating a DTS Package to SSIS
- 8.6 - Pt. 3 - An In-Depth Case Study of Migrating a DTS Package to SSIS
- 8.7 - Pt. 4 - An In-Depth Case Study of Migrating a DTS Package to SSIS
- 8.8 - Pt. 5 - An In-Depth Case Study of Migrating a DTS Package to SSIS
- 8.9 - Pt. 6 - An In-Depth Case Study of Migrating a DTS Package to SSIS
- 8.10 - Pt. 7 - An In-Depth Case Study of Migrating a DTS Package to SSIS
- 8.11 - Pt. 1 - In Place Upgrade of SQL Server 2000 DTS to SQL Server 2005 SSIS
- 8.12 - Pt. 2 - In Place Upgrade of SQL Server 2000 DTS to SQL Server 2005 SSIS

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Chapter 8: Migrating & Upgrading From SQL Server 2000 DTS to SSIS

Viewed?

- 8.13 - Pt. 3 - In Place Upgrade of SQL Server 2000 DTS to SQL Server 2005 SSIS
- 8.14 - Pt. 4a - In Place Upgrade of SQL Server 2000 DTS to SQL Server 2005 SSIS
- 8.15 - Pt. 4b - In Place Upgrade of SQL Server 2000 DTS to SQL Server 2005 SSIS
- 8.16 - Pt. 5a - In Place Upgrade of SQL Server 2000 DTS to SQL Server 2005 SSIS
- 8.17 - Pt. 5b - In Place Upgrade of SQL Server 2000 DTS to SQL Server 2005 SSIS
- 8.18 - Pt. 6 - In Place Upgrade of SQL Server 2000 DTS to SQL Server 2005 SSIS

Chapter 9: Miscellaneous - Topics That Do Not Fit Anywhere Else!

- 9.1 - COLLATE and How Queries and Table Data Work with Case-Sensitive and Accent-Sensitive Data
- 9.2 - How to Copy a Database to a Web Host Using the SQL Server Database Publishing Wizard
- 9.3 - How to Move a Database Using Backup and Restore
- 9.4 - How to Move a Database Using Detach and Attach
- 9.5 - How to Move a Database Using The Transfer Database Task in SSIS
- 9.6 - Options Available for Moving Databases From One Instance/Server to Another
- 9.7 - Part 1 - An Introduction to Regular Expressions
- 9.8 - Part 2 - A Continued Introduction to Regular Expressions
- 9.9 - Part 3 - Looking at a Filename Pattern Regular Expression
- 9.10 - Part 4 - Looking at a Filename Pattern Regular Expression
- 9.11 - Part 5 - Email Address Validation Regular Expression
- 9.12 - Part 6- Using Windows PowerShell to Test Regular Expressions
- 9.13 - Part 7 - More Regular Expressions Syntax and Case Sensitivity
- 9.14 - Part 8 - Using Regular Expressions in Everyday Applications

For More Details

Visit <http://www.learnitfirst.com/Course/153/SSIS-2005.aspx> for more information and to watch free sample videos from this course.