Wise Owl Training

# Fast track SSIS

## 3 day training course







## Course contents

This course will cover the following topics. Those marked with (*) will be covered if time allows.

From our Introduction to SSIS course

### SSIS basics
- Solutions and projects
- Basic packages
- Control and data flow tasks
- The 32-bit question

### Data flow tasks
- Connection managers
- Sources and destinations

### Using different data connections
- SQL Server (OLEDB)
- Connecting to Excel workbooks
- New and existing flat files
- Multiple flat files

### Data viewers
- Attaching data viewers
- Data buffers

### Basic data transforms
- Sorting and aggregating
- Sampling data
- Dividing and uniting data

### Data conversion transforms
- The SSIS data types
- Unicode and ASCII data
- Type cast functions

### Variables and expressions
- The Row Count transform
- User and system variables
- Expression tasks

### Debugging
- Setting breakpoints
- The Locals window

### Derived column transforms
- SSIS expressions
- Using SSIS functions
- Using the conditional operator

### Handling errors
- Redirecting and ignoring errors
- Truncation errors

### Conditional split transforms
- Splitting data by expression
- Using comparison operators
- Syntax for multiple conditions

### Lookup transforms
- Redirecting unmatched rows
- Choosing a cache mode
- Setting unmatched rows to Unknown
- Adding unmatched rows automatically

### File system tasks
- Working with files
- Working with folders

### Looping over files
- The file name variable
- Configuring the loop
- Expression constraints

### Importing multiple files
- Using expressions for connections
- Dynamic connections within loops

### Looping over rows
- Object variables
- Reading in data
- Looping over ADO rows
- Dynamic connection strings

### Using parameter placeholders
- Using the ? Symbol
- Mapping parameters

### Merge joins
- How they work
- Comparing two data sets

### Basic deployment
- Project-level deployment
- Creating a catalog
- Deploying and viewing in SSMS

### Using parameters (*)
- Package and project parameters
- Using parameters in expressions
- Deploying parameters
- Why to avoid environments

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## From our Advanced SSIS course

### A quick C# primer

- Writing methods
- Using variables
- Using namespaces

### Script tasks

- Message boxes
- Setting return status

### Variables in script

- Passing variables in/out
- Referencing in code

### Script components

- Input and output flows
- Manipulating values in script

### Sending mail (*)

- Limitations of the Send Mail task
- The System.Mail namespace
- Sending emails in code

### Accessing file attributes (*)

- FileInfo and DirectoryInfo
- Accessing file properties
- Filtering by file date/time

### Logging and auditing (*)

- Logging to text files
- Logging to SQL Server
- Audit transforms

### Events

- Creating an event
- Pre- and post-execute events
- Error-handling using events

## Pre-requisites for Fast track SSIS course

Although you don't need any knowledge of SQL Server to attend this course, you will find life easier if you know how to write a basic SQL statement.  What you must have, however, is a very good aptitude for computing (the course's three days will pass very slowly if you don't!).

## Prices

| Venue | Address | Price per place |
|---|---|---|
| London | Landmark, 99 Bishopsgate, London EC2M 3XD | £1,995 per person + VAT |
| Manchester | Holiday Inn, 25 Aytoun Street, Manchester M1 3AE | £1,695 per person + VAT |
| Online | Your home or office! | £1,350 per person + VAT |

## Scheduled Dates

| Dates | Venue | Times | Price per place | Booking |
|---|---|---|---|---|
| Wed/Fri 17-19 February 2027 | Online | 09:30-16:30 | £1,350 + VAT | Book this |
| Mon/Wed 22-24 March 2027 | Online | 09:30-16:30 | £1,350 + VAT | Book this |
| Wed/Fri 12-14 May 2027 | Online | 09:30-16:30 | £1,350 + VAT | Book this |

If you can't see the dates that you want, ask us about organizing a customized course at your office (we'll provide and set up the computers), or else an online course tailored to your needs.