# Introduction to SSIS

## 2 day training course





## Course contents

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

### 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

## Pre-requisites for Introduction to SSIS course

You should have a basic knowledge of SQL Server to attend this course (you don't necessarily need to know how to write a **SELECT** statement, but you should have seen one before).

## Prices

| Venue | Address | Price per place |
|---|---|---|
| London | Landmark, 99 Bishopsgate, London EC2M 3XD | £1,425 per person + VAT |
| Manchester | Holiday Inn, 25 Aytoun Street, Manchester M1 3AE | £1,050 per person + VAT |
| Online | Your home or office! | £875 per person + VAT |

## Scheduled Dates

| Dates | Venue | Times | Price per place | Booking |
|---|---|---|---|---|
| Thu/Fri 08-09 January 2026 | Online | 09:30-16:30 | £875 + VAT | Book this |
| Mon/Tue 09-10 February 2026 | Online | 09:30-16:30 | £875 + VAT | Book this |
| Mon/Tue 09-10 March 2026 | Online | 09:30-16:30 | £875 + VAT | Book this |
| Wed/Thu 08-09 April 2026 | Online | 09:30-16:30 | £875 + VAT | Book this |
| Thu/Fri 07-08 May 2026 | Online | 09:30-16:30 | £875 + 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.