Wise Owl Training

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
Tue/Wed 08-09 December 2026	Online	09:30-16:30	£875 + VAT	Book this
Mon/Tue 25-26 January 2027	Online	09:30-16:30	£875 + VAT	Book this
Mon/Tue 15-16 March 2027	Online	09:30-16:30	£875 + VAT	Book this
Thu/Fri 06-07 May 2027	Online	09:30-16:30	£875 + VAT	Book this
Thu/Fri 24-25 June 2027	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.