# Advanced SSIS

## 2 day training course







## Course contents

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

### 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

### Dynamic expressions

- Using expressions for properties
- Ideas for expressions to use

### Advanced loops

- Looping over XML files
- Looping over items
- FOR loops

### Using package parts

- Storing components for reuse
- Using package parts

### 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