

This course covers the following topics (any items marked with a * will be covered if time allows):

<p>SSIS basics</p> <ul style="list-style-type: none"> • Solutions and projects • Basic packages • Control and data flow tasks • The 32-bit question <p>Data flow tasks</p> <ul style="list-style-type: none"> • Connection managers • Sources and destinations <p>Using different data connections</p> <ul style="list-style-type: none"> • SQL Server (OLEDB) • Connecting to Excel workbooks • New and existing flat files • Multiple flat files <p>Data viewers</p> <ul style="list-style-type: none"> • Attaching data viewers • Data buffers <p>Basic data transforms</p> <ul style="list-style-type: none"> • Sorting and aggregating • Sampling data • Dividing and uniting data <p>Data conversion transforms</p> <ul style="list-style-type: none"> • The SSIS data types • Unicode and ASCII data • Type cast functions <p>Variables and expressions</p> <ul style="list-style-type: none"> • The Row Count transform • User and system variables • Expression tasks 	<p>Debugging</p> <ul style="list-style-type: none"> • Setting breakpoints • The Locals window <p>Derived column transforms</p> <ul style="list-style-type: none"> • SSIS expressions • Using SSIS functions • Using the conditional operator <p>Handling errors</p> <ul style="list-style-type: none"> • Redirecting and ignoring errors • Truncation errors <p>Conditional split transforms</p> <ul style="list-style-type: none"> • Splitting data by expression • Using comparison operators • Syntax for multiple conditions <p>Lookup transforms</p> <ul style="list-style-type: none"> • Redirecting unmatched rows • Choosing a cache mode • Setting unmatched rows to Unknown • Adding unmatched rows automatically <p>File system tasks</p> <ul style="list-style-type: none"> • Working with files • Working with folders <p>Looping over files</p> <ul style="list-style-type: none"> • The file name variable • Configuring the loop • Expression constraints 	<p>Importing multiple files</p> <ul style="list-style-type: none"> • Using expressions for connections • Dynamic connections within loops <p>Looping over rows (*)</p> <ul style="list-style-type: none"> • Object variables • Reading in data • Looping over ADO rows • Dynamic connection strings <p>Using parameter placeholders</p> <ul style="list-style-type: none"> • Using the ? Symbol • Mapping parameters <p>Merge joins</p> <ul style="list-style-type: none"> • How they work • Comparing two data sets <p>Basic deployment</p> <ul style="list-style-type: none"> • Project-level deployment • Creating a catalog • Deploying and viewing in SSMS <p>Using parameters (*)</p> <ul style="list-style-type: none"> • Package and project parameters • Using parameters in expressions • Deploying parameters • Why to avoid environments
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There will be no more than 6 people on the course. All of our public (scheduled) courses include lunch at a local restaurant. For more information, see www.wiseowl.co.uk/courses/ssis.htm.