



- CYU – Check Your Understanding
- LOTW – Learning On The Walls
- PPR – Participant Progress Report
- PTS – Post Training Support (Web)

# SSIS 2014

**Duration: 2 Days**

## INTRODUCTION TO BUSINESS INTELLIGENCE

- ❖ Database
- ❖ Data Warehouse
- ❖ Business Intelligence
- ❖ Microsoft Business Intelligence

## THE BIG PICTURE

- ❖ Microsoft Business Intelligence Suite
- ❖ Import/Export Wizard
- ❖ Introducing SSDT-BI

## IMPLEMENTING CONTROL FLOW

- ❖ Control Flow Tasks
- ❖ Creating a Simple Control Flow
- ❖ Control Flow Precedent Constraints
- ❖ Commonly Used Control Flows
- ❖ Manipulating Files with the File System Task
- ❖ Coding Custom Script Tasks
- ❖ Using the Execute SQL Task
- ❖ Using the Execute Process Task
- ❖ Using the Expression Task
- ❖ Using the Expression Task
- ❖ Using the FTP Task
- ❖ Backup Database Task
- ❖ Creating a Data Flow
- ❖ Transfer Database Task
- ❖ Bulk Insert Task
- ❖ Transfer SQL Server Objects Task
- ❖ XML Task

## IMPLEMENTATION OF CONTAINERS

- ❖ For Loop Containers
- ❖ For Each Loop Containers
- ❖ Scope of Variables Inside the Container
- ❖ Nested Containers
- ❖ File Enumerator Collection
- ❖ Sequence Container

## IMPLEMENTING DATA FLOW

- ❖ Data Flow Sources and Destinations
- ❖ Transferring Data
- ❖ Implementing Transformations
- ❖ Basic Data Flow Transformations
- ❖ Advanced Data Flow Transformations
- ❖ Character Map
- ❖ Copy Column
- ❖ Derived Column
- ❖ Conditional Split



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#### **SORT**

- ❖ Lookup
- ❖ Merge
- ❖ Merge Join
- ❖ Union All
- ❖ Audit
- ❖ Aggregate
- ❖ Using Data Viewers

#### **IMPLEMENTING ERROR HANDLING AND LOGGING**

- ❖ Configuring Error Output
- ❖ Overview of Integration Services Logging
- ❖ Configuring Logging
- ❖ Using Logging
- ❖ Implementing Custom Logging
- ❖ Event Handlers

#### **DEBUGGING AND ERROR HANDLING**

- ❖ Debugging a Package
- ❖ Break Point
- ❖ Implementing Different Conditional Break Point
- ❖ Break point Occurrence

#### **IMPLEMENTING CHECKPOINTS AND TRANSACTIONS**

- ❖ Implementing Checkpoints
- ❖ Usage of Check Point File
- ❖ Implementing Transactions
- ❖ Configuring Transactions
- ❖ Implementing a Nested Transactions

#### **MAKING PACKAGES DYNAMIC**

- ❖ Using Variables
- ❖ Readonly Variables
- ❖ Readwrite Variables
- ❖ Scope of Variable
- ❖ Understanding Package Parameters
- ❖ Understanding Project Parameters
- ❖ Working with Expressions

#### **DEPLOYING TO THE SSIS CATALOG**

- ❖ Introduction to the SSIS Catalog
- ❖ Creating Environments
- ❖ Deploying Projects
- ❖ Backwards Compatibility
- ❖ Installing and Configuring the SSISDB Catalog
- ❖ Executing Packages in SQL Server Management Studio (SSMS)
- ❖ Creating Environments
- ❖ Deploying Projects
- ❖ Executing Packages with Environments in SSMS
- ❖ Viewing Built-in SSIS reports
- ❖ Executing packages from the command line
- ❖ Scheduling packages