

# SSIS PRODUCTIVITY PACK

The SSIS Productivity Pack is a collection of premium SSIS components which enable an improved SSIS ETL development experience with greater potentials. These SSIS components expand on native SSIS components to offer more powerful features and bring new enhancements to SSIS to enable integration scenarios not once possible without custom scripting.

## KEY FEATURES

- A premium pack of the most advanced ETL components in the industry to help make SSIS more powerful.
- Eliminates the need for custom scripts for common complex requirements.
- Saves time and offers significantly greater potentials when implementing solutions using SSIS.
- Enables developers to accomplish more in SSIS in a more productive fashion.
- Currently includes over seven dozen premium and unique components with more to come.

**Technical Requirements:** Microsoft SQL Server 2017, 2016, 2014, 2012, 2008 R2, 2008, or 2005.

## PREMIUM DATA FLOW COMPONENTS

### PREMIUM DERIVED COLUMN

- Expands on the functionality of the standard SSIS Derived Column to include over 220 functions and an advanced expression editor.

### PREMIUM SLOWLY CHANGING DIMENSION

- An enhanced version of the standard Slowly Changing Dimension component.
- Can process three types of slowly changing dimensions: Fixed Attributes, Changing Attributes, and Historical Attributes.

### PREMIUM LOOKUP

- Combines the functionality of the out-of-box Lookup and Fuzzy Lookup components into one simplified, easy to use component without any limitations.
- Use any data input as the lookup source.
- Includes several additional matching criteria options.

### PREMIUM ADO.NET COMPONENTS

- **PREMIUM ADO.NET SOURCE** is an advanced version of the standard ADO.NET Source to read from virtually any database through its ADO.NET Data Provider.
- **PREMIUM ADO.NET DESTINATION** is an enhanced ADO.NET destination component which offers many more features, supports all ADO.NET data providers and enables writing to the database with Insert, Update, Delete or Upsert write actions.

### PREMIUM EXCEL COMPONENTS

- Includes enhanced Excel **CONNECTION MANAGER, SOURCE & DESTINATION** components. Supports both 32 and 64-bit runtimes with greater flexibility when reading and writing to an Excel file.

## CLOUD STORAGE

### AMAZON S3 STORAGE COMPONENTS

- Includes **Connection Manager, Source & Destination** components to facilitate connecting to and reading and writing from Amazon S3 Storage. Supports CreateFolder, Delete, & Upload write actions.

### AZURE BLOB STORAGE COMPONENTS

- Includes **Connection Manager, Source & Destination** components to facilitate connecting to and reading and writing to/from Azure Blob Storage. Supports Create, Update, and Delete write actions.

### DROPBOX COMPONENTS

- Includes **Connection Manager, Source & Destination** components to facilitate connecting to and reading and writing to/from Dropbox utilizing the Dropbox API. Supports Create, Move, Upsert, and Delete write actions.

### ONEDRIVE COMPONENTS

- Includes **Connection Manager, Source & Destination** components to facilitate connecting to and reading and writing to/from OneDrive. Supports Create, Update, and Delete write actions.

## DATA GENERATION AND ANONYMIZATION

### DATA ANONYMIZER

- Transformation component which allows you to anonymize or mask your sensitive data.

### DATA SPAWNER

- Generates random sample data easily using many different data types.

## JSON & XML PROCESSING

### JSON SOURCE

- Used to retrieve JSON documents from an HTTP URL or local file and break up the JSON structure to produce column data.

### JSON EXTRACT

- A transformation component that receives JSON from an upstream component and extracts data to produce column data.

### JSON MERGE

- A transformation component which can be used to merge data into JSON documents.

### JSON DESTINATION

- Merge input data into JSON structure and output it to a file or send it to an HTTP URL.

### XML SOURCE

- Retrieve XML documents from an HTTP URL or local file and break up the XML structure to produce column data.

### XML EXTRACT

- A transformation component that receives JSON from an upstream component and extracts data to produce column data.

### XML MERGE

- A transformation component which can be used to merge data into XML format.

### XML DESTINATION

- Merge input data into XML structure and output it to a file or send it to an HTTP URL.

### HTML TABLE SOURCE

- Used to retrieve an HTML document from an HTTP request or a local file and extract a table element into column data.

## DATA QUALITY AND COMPARISON

### DATA PROFILER

- Data flow pipeline component that can be used to analyze data and to compare rows from upstream data sources.
- Functions synchronously to output a single row to the additional "DataProfiler Output" with results of the data analysis.

### DIFF DETECTOR

- Data flow pipeline component that can be used to compare two source inputs to find out the exact differences.
- Rows are matched using a business key (single or composite key) to determine if the incoming rows are new, unchanged, changed, or deleted rows.

### DUPLICATE DETECTOR

- Data flow pipeline component that can be used to compare rows within a data source and identify duplicate rows.
- Offers several common matching types to handle unique matching requirements.

## GOOGLE SERVICES

### GOOGLE ADWORDS

- Includes a **CONNECTION MANAGER** and **SOURCE COMPONENT** to facilitate connecting to and retrieving data from Google AdWords.

### GOOGLE ANALYTICS

- Includes a **CONNECTION MANAGER** and **SOURCE COMPONENT** to facilitate connecting to and retrieving data from Google Analytics.

### GOOGLE SHEETS

- Includes **CONNECTION MANAGER**, **SOURCE & DESTINATION** components to facilitate connecting to and retrieving & writing data from/to Google Sheets.

## TEMPLATE MERGE

### HTML MERGE

- A transformation component which can merge column and variable data using a pre-defined HTML template.

### TEXT MERGE

- Data Flow Transformation Component which can merge column and variable data using a pre-defined text template.

## ENCRYPTION AND COMPRESSION TASKS

### COMPRESSION TASK

- Allows you to compress or decompress .zip files in the Control Flow.

### PGP ENCRYPTION TASK

- Control flow task that can be used to perform Encrypt, Decrypt, CreateSignature or VerifySignature actions on a file.

## MAIL COMPONENTS

### EMAIL COMPONENTS

- Includes **CONNECTION MANAGER** and **SOURCE COMPONENT** to facilitate connecting to and retrieve emails from an IMAP, POP3, or Exchange Web Services Email server.

### SMTP COMPONENTS

- **SMTP CONNECTION MANAGER** facilitates connections to an SMTP server.
- **SMTP DESTINATION** sends emails within the data flow using data from upstream pipeline components.
- **SMTP TASK** works at the Control Flow level for sending emails to predefined recipient(s).

## MESSAGE QUEUE COMPONENTS

### AZURE SERVICE BUS COMPONENTS

- Includes **Connection Manager**, **Source & Destination** components to facilitate connecting to and reading & writing to/from Azure Service Bus.

### IBM MQ COMPONENTS

- Includes **Connection Manager**, **Source & Destination** components to facilitate connecting to and reading & writing to/from IBM MQ/WebSphere MQ.

### MSMQ COMPONENTS

- Includes **Connection Manager**, **Source & Destination** components to facilitate connecting to and reading & writing to/from MSMQ.

### RABBITMQ COMPONENTS

- Includes **Connection Manager**, **Source & Destination** components to facilitate connecting to and reading & writing to/from RabbitMQ.

## NOSQL COMPONENTS

### CASSANDRA COMPONENTS

- Includes **Connection Manager**, **Source & Destination** components to facilitate connecting to and reading & writing to/from Apache Cassandra. Supports Insert, Update, Upsert, or Delete write actions.

### AMAZON DYNAMODB COMPONENTS

- Includes **Connection Manager**, **Source & Destination** components to facilitate connecting to and reading & writing to/from Amazon DynamoDB server. Supports Insert, Update, Upsert, or Delete write actions.

### MONGODB COMPONENTS

- Includes **Connection Manager**, **Source & Destination** components to facilitate connecting to and reading & writing to/from MongoDB server. Supports Insert, Replace, Update or Delete write actions with the option to use Upsert on Replace and Update actions.

## PREMIUM FILE PACK

### FTPS CONNECTION MANAGER

- Facilitates connecting to an FTPS server.

### SFTP CONNECTION MANAGER

- Facilitates connection to an SFTP server.

### PREMIUM FILE SYSTEM COMPONENTS

- **Premium File System Source & Destination** support reading or writing data from/to a file system through local, FTPS or SFTP connections. Includes item selection modes to retrieve the desired sub items (if any).

### PREMIUM FLAT FILE COMPONENTS

- **Premium Flat File Source & Destination** support reading or writing data from/to a flat file from specified server.

- Supports FTPS, SFTP, OneDrive, Dropbox, Amazon S3, Azure Blob Storage, SharePoint & local connections.

### PREMIUM FILE TRANSFER TASK

- Support for 4 actions: Send Files, Delete Files, Create Directory, and Remove Directory.
- Supports FTPS, SFTP, OneDrive, Dropbox, Amazon S3, Azure Blob Storage, SharePoint & local connections.

## HTTP/WEB SERVICE COMPONENTS

### HTTP CONNECTION MANAGER

- Used to establish a connection to an HTTP website.
- Supports access to SOAP or REST based web services.

### HTTP REQUESTER

- Data flow pipeline component that can be used to send a series of HTTP requests and process their responses.
- Supports optional query string parameters.

### HTTP REQUESTER TASK

- Control flow task component that can be used to send an HTTP request and receive a response.
- Supports optional query string parameters.
- Options to output the response body to a variable or file.

### WEB SERVICE COMPONENTS

- **Web Service Source** supports reading data from virtually any SOAP based service endpoint. Option to specify input parameters. Support for custom SOAP headers.
- **Web Service Destination** supports writing data using web service interfaces by targeting virtually any SOAP based service endpoint. Supports custom SOAP headers
- **Web Service Task** is a control flow component that can be used to read/retrieve data from a web service. Option to specify input parameters. Options to output the response body to a variable or file.

## MISCELLANEOUS COMPONENTS

### TIME ZONE CONVERSION

- A transformation component for converting a date column from one timezone to another.

### TIMER TASK

- Pauses package execution between Control Flow items through 3 Pause Modes: Fixed Time, Wait Until, Wait Until Variable.

## ABOUT KINGSWAYSOFT

KingswaySoft is a leading provider of high-performance data integration solutions using SSIS as the ETL platform. Organizations from more than 75 countries rely on our solutions to drive their business data efficiency.

Our primary mission is to help our customers to be successful in their business by providing them with quality software products and innovative integration solutions at a competitive price.