



## **XLDS** Excel Add-in

Handy & Powerful Tools for Data Processing

**XLDS is one of its kind add-in specializing in the data querying, which includes data import from multiple external ASCII files, data extracting from multiple closed Excel workbook files, data query from internet, data consolidation from multiple worksheets, data search within one range, etc.**

The following are the list of features XLDS provide to users:

- ✓ Query/Import Data from External Data/Text/ASCII Files
- ✓ Query/Import Data from Multiple Closed Excel Files
- ✓ Query/Import Data from Remote Internet/Websites
- ✓ Query/Consolidate Data from Multiple Worksheets
- ✓ Query/Conditional Statistics on A Selected Range
- ✓ Operation/Conditional Highlight on A Selected Range
- ✓ Lookup Value based on Selected Range and Keyword
- ✓ Extract and Re-Arrange Record from A Table
- ✓ Compare Same Range of Two Different Sheets
- ✓ Chart Operation
- ✓ Assign Shortcut Keys
- ✓ Create Sheets Summary
- ✓ User-Defined Functions

### ➤ **Query/Import Data from Multiple External Data/Text/ASCII Files**

This feature is used to import data from multiple external text files. The external files can be stored under the same main directory but different subdirectories. Once the import criteria are setup, useful data can be imported directly into Excel table from hundreds of files. Of course, all the external files to be imported should have similar data arrangement, like output files from the same program.

The import criteria can be setup using absolute line/column numbers within the files, or relative line/column number comparing to a specific searchable keyword.

This feature is very useful when user work on a sensitivity study and want to create a summary table. Because all the output files are create from same program and thus have similar data arrangement.

### ➤ **Query/Import Data from Multiple Closed Excel Workbook Files**

This feature is used to extract useful information from multiple close Excel workbook files. These workbook files can be stored under the same main directory but different subdirectories. Once the import criteria are setup, desired data can be directly imported into Excel table without opening those workbook files.

The import criteria can be setup using absolute row/column numbers within a specific worksheet.

This feature is very useful when user have many workbook files saved/received from same template/pre-formatted table and want to create a summary table.

### ➤ **Query/Import Data from Remote Internet/Websites**

This feature is used to extract real-time valuable information from internet, such as daily stock prices, product inventory and prices, etc.

The import criteria can be setup using webpage URL address, keyword to search and the relative position of the useful data to the keyword.

### ➤ **Query/Consolidate Data from Multiple Worksheets**

This feature is used to consolidate information from multiple worksheets into one single summary table.

The consolidate criteria can be setup using source data range, keyword to search and the relative position of the useful data to the keyword.

This feature is very useful when user have many sheets with similar data arrangement/format.

### ➤ **Query/Conditional Statistics on a Specific Range**

This feature is used to perform statistical analysis (Max, Min, Sum, Count, Average, etc.) under multiple conditions and thus achieve MaxIF, AverageIF, etc. functionalities.

This feature is a simplified database query and is very useful for query data table under multiple conditions.

### ➤ **Operation/Conditional Highlight on a Selected Range**

This feature is used to do operation on a selected range, such as insert/remove text, insert/remove spaces, change cases, math calculation, add unit name, unit conversion, replace strings, replace error with specified strings, replace formula with value, replace name with address, etc.

This feature can also used to highlight cells based on user specified criteria: highlight the maximum value, minimum value, values with a range, difference between rows/columns, every N rows/columns, cell with formula, cell with link to other worksheet/workbook, etc.

### ➤ **Lookup Value Based on Select Range and Keyword**

This feature is used to lookup values based on specified keyword and the relative position of the returning value to the keyword.

The lookup criteria can be setup by specifying the range to search, keyword to search, and relative position of the returning value to the keyword – rows below/above the keyword and columns to the right/left of keyword. The keyword can be a formula, like the maximum value of the range, etc.

### ➤ **Extract and Re-Arrange Record from a Table**

This feature is used to re-arrange the records in a table, such as extract one record at a time for plotting chart or other process, re-organize the table as one-record-one row, different record different row, etc. This is a very powerful feature for re-arranging data.

### ➤ **Compare Same Range of Two Different Sheets**

This feature is used to find the difference between two worksheets. The comparison can be either on values or on formula.

### ➤ **Chart Operation**

This feature includes two handy chart operations: dynamically add label to a chart series (link the label to a range) and link chart title to a range.

### ➤ **Assign Shortcut Keys**

This feature is used to assign shortcut keys to several most frequently used actions: paste special/value, paste special/formula, paste special/format, paste special/transpose. For example, user can assign ctrl+shift+v for paste special /value.

### ➤ **Create Sheet Summary**

Sort all sheets tab in a workbook and create a summary sheet, which lists all the sheets in the file and has link to each individual sheet. This is very useful, especially for those workbooks with >10 sheets.

### ➤ **User-Defined Functions**

#### **Function XLDSSearch**

Search a value in a range and returns a value based on the specified relative position.

#### **Function XLDSXtrValues**

Parse a text string based on the specified delimiters/separators which dividing the string into an array of substrings, and then extract a substring from it.

#### **Function XLDSRef**

Create a range reference based on provided top-left corner cells row and column number, row height, column height and sheet's name.