

Kymera POI Script

Features

- This module allows datasets to be exported to real Excel files, both in xls and xlsx format.

Scripting Functions

[system.poi.getExcelBuilder](#)

[system.poi.export.saveDataSet](#)

Support

- Support is only provided to license modules with an active I.A. TotalCare Contract.
- Support may be contacted via email, at support@kymerasystems.com, or via phone, at 1-800-470-2302. Please allow up to 24 hours for a response from our support team.

Change Log

- v1.6.0: Initial release

system.poi.getExcelBuilder()

Description

This method returns an instance of ExcelBuilder, which will decrease the amount of work required to make an Excel sheet. This method provides a streaming mode for creating the document.

Syntax

```
system.poi.getExcelBuilder ()
```

Parameters

None

Returns

[ExcelBuilder](#) – The method used to create an Excel “xlsx” document.

Scope

Client, Designer, Gateway

Examples

This code will export 2 datasets, into 2 excel worksheets.

```
data1 = system.db.runQuery("SELECT 1,2,3")
data2 = system.db.runQuery("SELECT 4,5,6")

builder = system.poi.getExcelBuilder()

builder.createSheet("forward")
builder.add(data1)
builder.add(data2)

builder.createSheet("reverse")
builder.add(data2)
builder.add(data1)

bytes = builder.getBytes()
file = system.file.saveFile("xlsx")
if file:
    system.file.writeFile(file,bytes)
```

ExcelBuilder Methods

`createSheet(String name)` – Creates a new worksheet with the name specified. This will become the active worksheet

`addDataset(Dataset data)` – Appends the dataset into the current worksheet.

`getBytes()` – Returns the byte array of the Excel file.

`setCompressTempFiles(Boolean compress)` – Sets whether or not the temporary files should be compressed. Saved storage IO in exchange for CPU utilization.

`setAutosizeColumns(Boolean autosize)` – Set whether or not columns should be autosized based off their content.

system.poi.export.saveDataSet

Description

Exports the contents of a multiple dataset as an Excel spreadsheet, and returns the byte array of the files contents

Syntax

```
system.poi.export.saveDataSet (datasets, sheetNames, format, autoSizeColumns)
```

Parameters

PyList datasets – A List of Lists of datasets. Each outer list represents a worksheet, and the inner lists contain all the datasets that make up those worksheets. Datasets will be appended in sequential order.

PyList sheetNames – A list of worksheet names

String format – The type of Excel file to make. Valid options are “xls” and “xlsx”

boolean autoSizeColumns – The script will try auto size each column, allowing for a nicer export.

Returns

Byte[] – Returns the byte array containing the excel file data.

Scope

Client, Designer, Gateway

Examples

This code will export 2 datasets, into 2 excel worksheets.

```
data1 = system.db.runQuery("SELECT 1,2,3")
data2 = system.db.runQuery("SELECT 4,5,6")

bytes = system.poi.export.saveDataSet([[data1,data2],[data2,data1]],["forward","reverse"],"xlsx")
file = system.file.saveFile("xlsx")
if file:
    system.file.writeFile(file,bytes)
```