Abstract

The #$XLS Service Program allows RPG developers to write Excel files out directly in their RPG programs. The service package allows for most options including styling and print options to be added into the Excel file. This document goes through install options.

#$XLSX Install Instructions

Create formatted Excel files in RPG

Tim Tognazzini

https://github.com/ttognazzini/-xlsx1.0

# Introduction

## Install Options

There are several two ways to install the #$XLSX Service pack. The following list shows the options:

1. Install from saved file.

This is the easiest way if you have access to the SAVF and permissions on the server to restore libraries. This option restores the objects and source code into a library on your server. You will still run a simple setup command to set the default folder for the test programs.

2. Install from source

This option will build the service programs from scratch. It will copy each source file to IBM default source files natively on the Server. For instance, all RPG source code will be in the source file QRPGLESRC.

## Naming conventions

The system is setup to use the library name #$XLSX1.0 and an IFS folder ‘/#$XLSX1.0’. You have the option of changing both of these, but you will be responsible for getting it all working correctly if you do.

All library references are hardcoded so multiple versions can be installed and used simultaneously. All exported and system object names start with #$ so they do not interfere with any existing objects.

# Installing from a Save File

Installing #$XLSX from a SAVF is the easiest option. The save file contains all the source code and the objects for the service program. The server does not need compilers to use this option.

Download the SAVF from TODO. Download the highest version at or below your operating systems level. The follow these steps:

1. Create a SAVF on the server and copy the data into it.

On the server issue these commands:

CRTLIB #$XLSXTEMP

CRTSAVF #$XLSXTEMP/#$XSLSXSAVF

2. Copy data from a PC into the SAVF using FTP

From the command prompt enter the following commands:

FTP myServer <enter> where MyServer is the Host name or IP address to you System I server.

This opens the FTP prompt it should prompt you for a user id and password, enter your user and password to the System I server.

Once at an FTP prompt screen enter the following commands:

bin

cd #$XLSXTEMP

lcd /path/to/save/file/on/your/pc

put #$XLSXSAVF

Make sure you get transfer complete message. Then enter the following to exit the FTP prompt:

exit

Then close the command prompt.

3. Restore the SAVF on the server.

From a command line on the System I server enter and run the following command:

RSTLIB #$XLSX \*SAVF savf(#$XLSXTEMP/#$XLSXSAVF)

If the library restore completely you can deleted the temporary library with the SAVF in it.

DLTLIB #$XLSXTEMP

4. Setting up the System

The SAVF contained all the objects pre-built so all that needs to be done at this point is to setup a folder for the test program and setup the system to use that folder.

The default test folder is ‘/#$XLSX’. You can create the folder using the following command. You can change the folder to something else or use one that already exists if you want.

MKDIR DIR('/#$XLSX') DTAAUT(\*RWX) OBJAUT(\*ALL)

You will probably want to setup a file system share to this folder so you can access it easily on your computer. This is up to you and I will not walk you through creating a file share here.

If you are using the default folder then skip this part. If you are using a different name or an existing folder you need to change the test programs to point to that folder. Use the following command to change the default folder. Replace’/path/to/your/folder with the actual path to your folder.

CHGDTAARA DTAARA(#$XLSX/#$XLSXTEMP \*ALL) VALUE('/path/to/your/folder')

# Installing from Source

This section discusses installing the system from source. You will need system compilers to use this option.

Create the #$XLSX library on the server.

CRTLIB #$XLSX

Download the zip file containing the source code. These can be found at TODO.

Extract all files and move them to the /#$XLSX folder in the IFS.

Create the #$XLSX library on the server.

CRTLIB #$XLSX

Create the RPG program COPYIFS from the source code in the IFS.

CRTBNDRPG PGM(#$XLSX/COPYIFS)

SRCSTMF('/#$XLSX/qrpglesrc/copyifs.rpgle')

TEXT('Copy all source from the IFS and Build')

Once the program is created you can run it to copy over all the source and build the system.

CALL #$XLSX/COPYIFS

After the programs are created you need to setup the test environment. It will technically work by default as long as you used #$XLSX for the library in the IFS for the source files. If you used a different folder or you just want the test programs to put the output in a different folder, you need to change the data area where the test programs get the path for their output from. Use the following command to change the data area. Replace’/path/to/your/folder with the actual path to your folder.

CHGDTAARA DTAARA(#$XLSX/#$XLSXTEMP \*ALL) VALUE('/path/to/your/folder')