

SourceFlow for TPF

by Jeff Robinson

Today's TPF organizations have thousands of lines of undocumented (and sometimes uncommented) Assembler source code. With the advent of the new millennium, many of these same organizations are considering transforming this same legacy software into "C" language or at least better structured Assembler code. Unfortunately, most shops have no first-line approach to documenting their existing software except the age-old manual method.

In response to the popularity of the online flowchart in its Code Analyzer product, RobiSoft, Inc. introduces SourceFlow for TPF which provides a more powerful way to generate on-line flowcharts for TPF Assembler code. With the SourceFlow for TPF product, now TPF organizations have the tool they need to get instantaneous flowchart documentation of new and old TPF Assembler code.

Environment

SourceFlow for TPF follows the example of its Code Analyzer counterpart by utilizing a modern, graphical user interface similar to the Microsoft Windows(R) Explorer application that comes with its operating system.

After a quick introductory dialog, users of SourceFlow will simply select the TPF module they wish to generate a flowchart for and "Presto!" it'll be on screen in no time (See Figure 1).

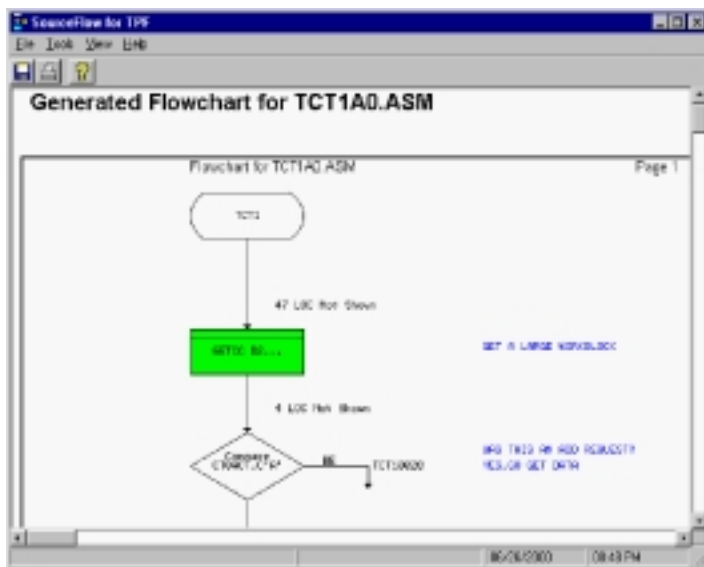


Figure 1. SourceFlow with a flowchart display.

More Selection Criteria

Like its brother product, the flowcharting feature in SourceFlow for TPF gives the developer great control over selecting which statements in his TPF software to allow in the flowchart diagram. He can even include the original source code comments from the module being processed (see Figure 2).

New to the SourceFlow product is the ability to exclude all instructions of a certain class except those specifically chosen by the developer to be included. This new feature will prove invaluable when investigating or documenting a program for a specific function.

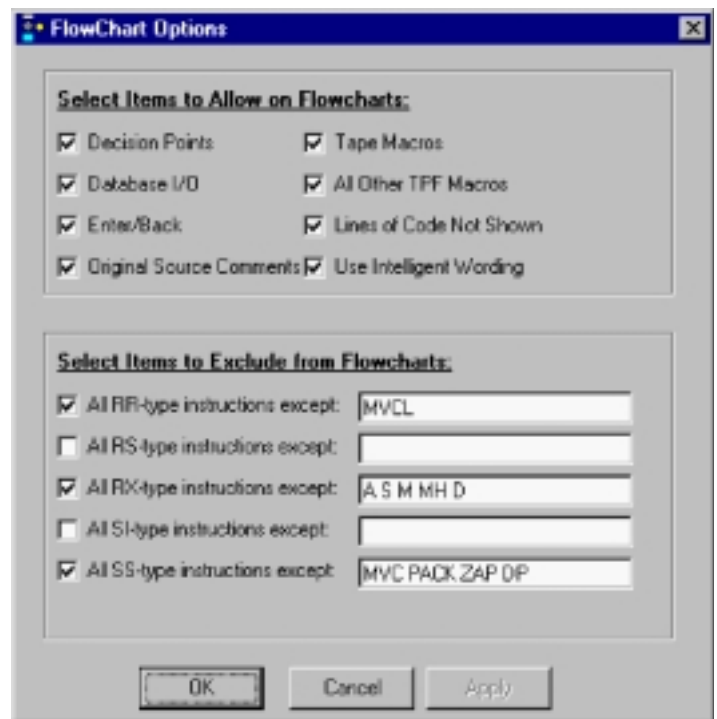


Figure 2

Like Code Analyzer, SourceFlow still uses the standard flowchart symbols created by IBM. Users familiar with the Code Analyzer flowchart mechanism will be right at home using the more in-depth SourceFlow flowchart.

An additional "power" feature of the SourceFlow flowchart is the way users can select to use "Intelligent" re-interpretation of the Assembler instruction. So, an instruction such as "MVC" would be translated "COPY"; likewise, "A" and "S" would simply be translated "Add" and "Subtract".

Nevertheless, the developer can still choose the option to see the original Assembler source wording in the flowchart.

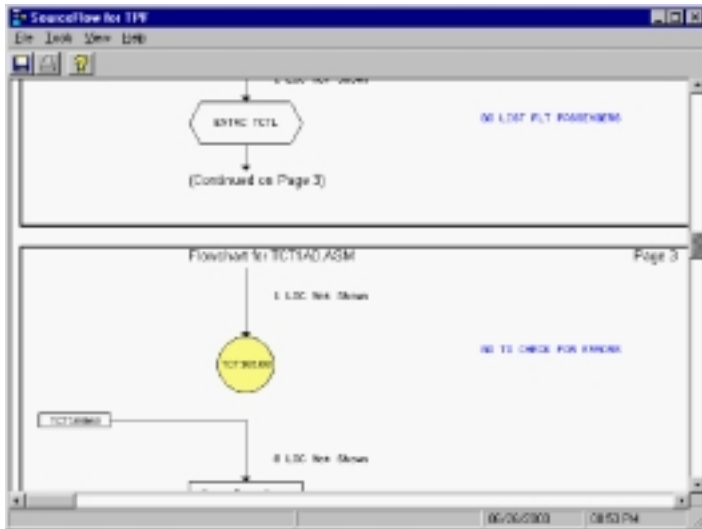


Figure 3. Another SourceFlow Flowchart Visual

Print & Clipboard Features

Users of SourceFlow for TPF will find that they also enjoy the very superb feature in the ability to send the Flowchart (or any page thereof) to either the Printer or the Clipboard. This could prove very useful when writing reports, documents, or test scripts.

Prerequisites

Hardware

IBM-compatible workstation
166-MHz Pentium Processor (or compatible)
33 Megabytes of Memory
10 Megabytes of Free Hard-disk Space

Operating System

Windows NT 4.0 or Windows 95 or Windows 98

Contact

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<http://www.robisoft.com>

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