

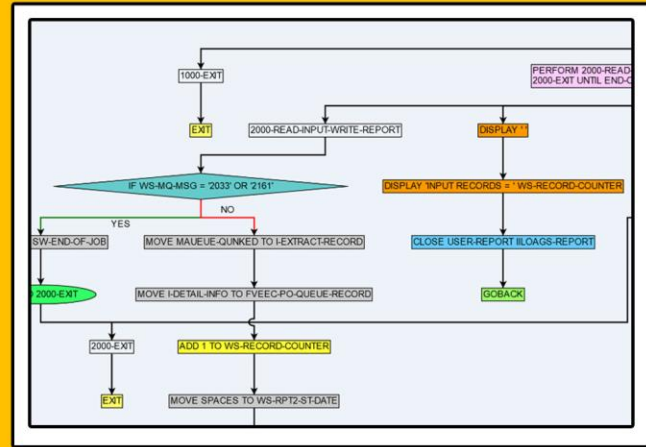
IN-COM DATA SYSTEMS PRESENTS

SMART TS XL



COBOL SOLUTIONS

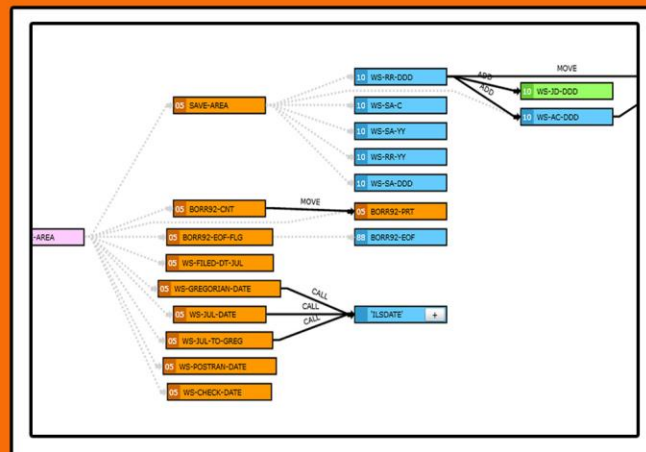
CONTROL FLOW - UNDERSTAND THE INNER WORKINGS OF YOUR PROGRAMS



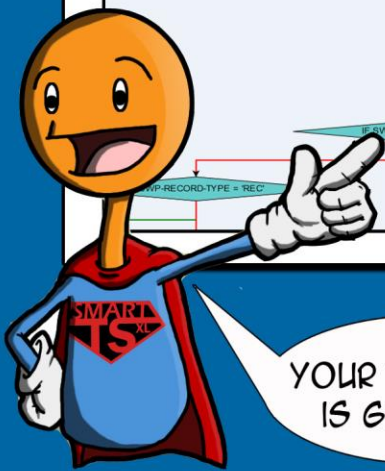
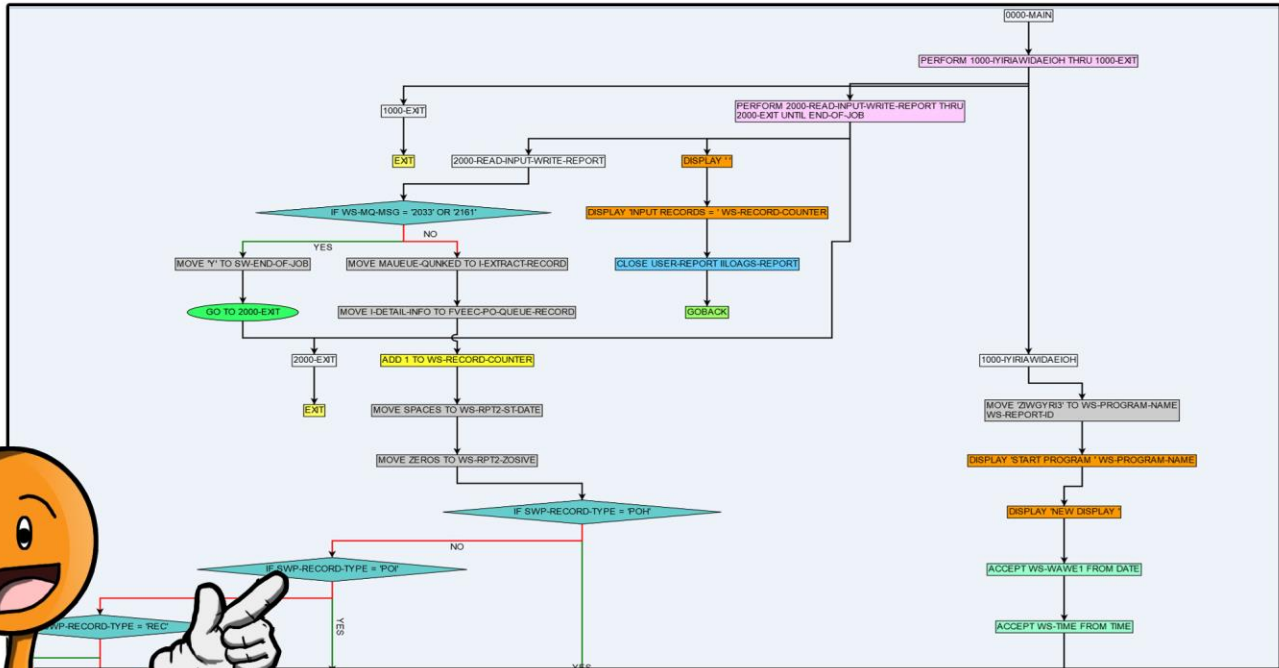
```
[00961] EVALUATE TRUE
[00962] WHEN DSFILE-ID = 1
[00963]   COPY IHENOGPJ REPLACING VAFICED BY DSFILE1.
[00964]   EVALUATE TRUE
[00965]   WHEN VECUESHEX-OPEN-MODE (DSFILE-ID) = INPUT
[00966]     OPEN INPUT VAFICED
[00967]     OPEN INPUT DSFILE1
[00968]
[00969]   WHEN VECUESHEX-OPEN-MODE (DSFILE-ID) =
[00970]     CLOSED-MODE OR IO-MODE
[00971]     OPEN I-O VAFICED
[00972]     OPEN I-O DSFILE1
[00963]   COPY IHENOGPJ REPLACING VAFICED BY DSFILE1.
[00964]   EVALUATE TRUE
[00965]   WHEN VECUESHEX-OPEN-MODE (DSFILE-ID) = INPUT
[00966]     OPEN INPUT VAFICED
```

COBOL EXPANDER - REVIEW YOUR PROGRAMS AND ALL REFERENCED COPYBOOKS IN ONE PLACE

FIELD TRACKER - SEE HOW YOUR FIELDS MOVE AND CONNECT TO OTHER FIELDS



CREATE CONTROL FLOW DIAGRAMS!



YOUR WORKLOAD IS GROWING...

YOU MUST PROCESS THIS CODE QUICKLY...

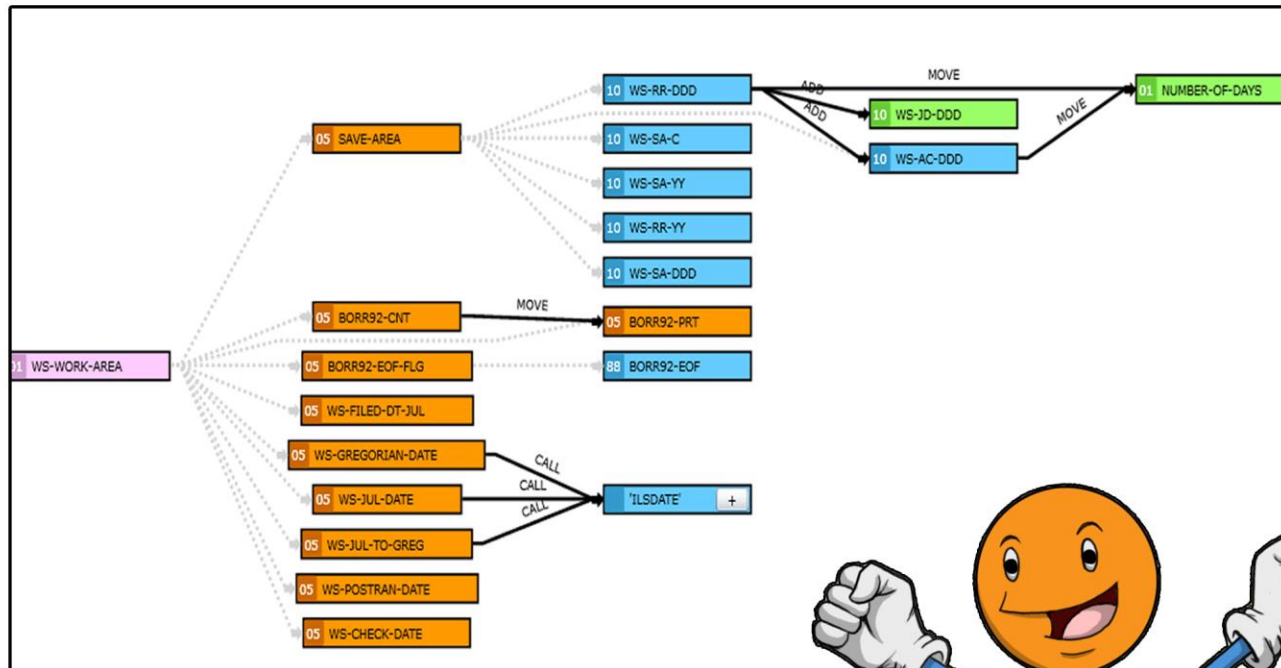
I CAN GIVE YOU AN INTERACTIVE CONTROL FLOW DIAGRAM!

The Control Flow Diagram Generator displays the flow of your programs graphically, helping you to understand complex program logic without having to study every line of code. It facilitates an increase in the efficiency and productivity of your team by flowcharting all your programs for mission-critical projects.

“How does the Control Flow generator for COBOL help me?”

- View the control flow of COBOL programs in a color-coded graphic.
- See upstream and downstream from specific elements within a program.
- Interact with the diagram and tailor the view.
- Select an element to view the exact line of code that generated it.
- Export results to XML as well as Microsoft® Excel or Word.
- Now available for COBOL, Java, VB 6, C and C#

TRACK YOUR FIELDS!



MODIFYING A FIELD IS EASY...

WHEN YOU CAN SEE THE IMPACT YOUR CHANGES WILL MAKE!

The Field Tracker Report lets you know the ripple effects of changing a field. Instead of having to manually search for field movements over and over, the field tracker lets you pinpoint a field and see its usage in a program.

“How does the COBOL Field Tracker help me?”

- Instantly find every occurrence of a field name with one search.
- Accurately track field movement in your entire system.
- Track fields in a COBOL program and the included Copybooks.
- Search for fields based on the type of operations in which they occur.
- Perform iterative searches to see relationships between the fields.

EXPAND YOUR COPYBOOKS!

```
[00961]          EVALUATE TRUE
[00962]          WHEN DSFILE-ID = 1
[00963]          COPY IHENOGPJ REPLACING VAFICED BY DSFILE1.
[00964]          EVALUATE TRUE
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[00968]
[00969]          WHEN VECUESHEX-OPEN-MODE (DSFILE-ID) =
[00970]          CLOSED-MODE OR IO-MODE
[00971]          OPEN I-O VAFICED
```

The COBOL eXpander inserts referenced modules into the COBOL program flow and shows you how the program looks at run time. Research for modification or maintenance can be done without having to look up each different element.

“How does the COBOL eXpander help me?”

- Expands all Copybooks to display the program as it appears at run time.
- Search on the COBOL program and all included Copybooks.
- Expands symbolic variables defined in the “replacing by” statements.
- Determines true program complexity by analyzing code contained in Copybooks as well as the main program code.



Learn More About **SMART TS XL™**
and Request Your Free Trial!

www.in-com.com/ContactUs

SMART TS XL Tools:

COBOL Control Flow
COBOL eXpander
Cross Reference Diagram
Extended Query Analysis Language
Field Tracker
Filtered Search
JCL eXpander
Module Dependency Mapper
Synonyms Search
and MORE!

SMART TS XL Reports:

Assets Not Being Called
Assets Not Calling
Assets Referencing
Code Complexity
Duplicate Assets
Most/Least Called Assets
Most/Least Calling Assets
Most Used Assets
Orphans Report
and MORE!

Support for All Systems, including:

DB2
ORACLE
SAP
Serena ChangeMan
Sharepoint Sites
SQL
Subversion (VSS & TFS)
Sybase
Teradata
and MORE!

