SMARTTSXL
SOFTWARE INTELLIGENCE

JCL Expander

Client Experiences

citi

I love the JCL expansion feature of SMART TS XL. It is accurate and very helpful. It produces quality results at a high speed in a useful, understandable format.

THOMSON REUTERS

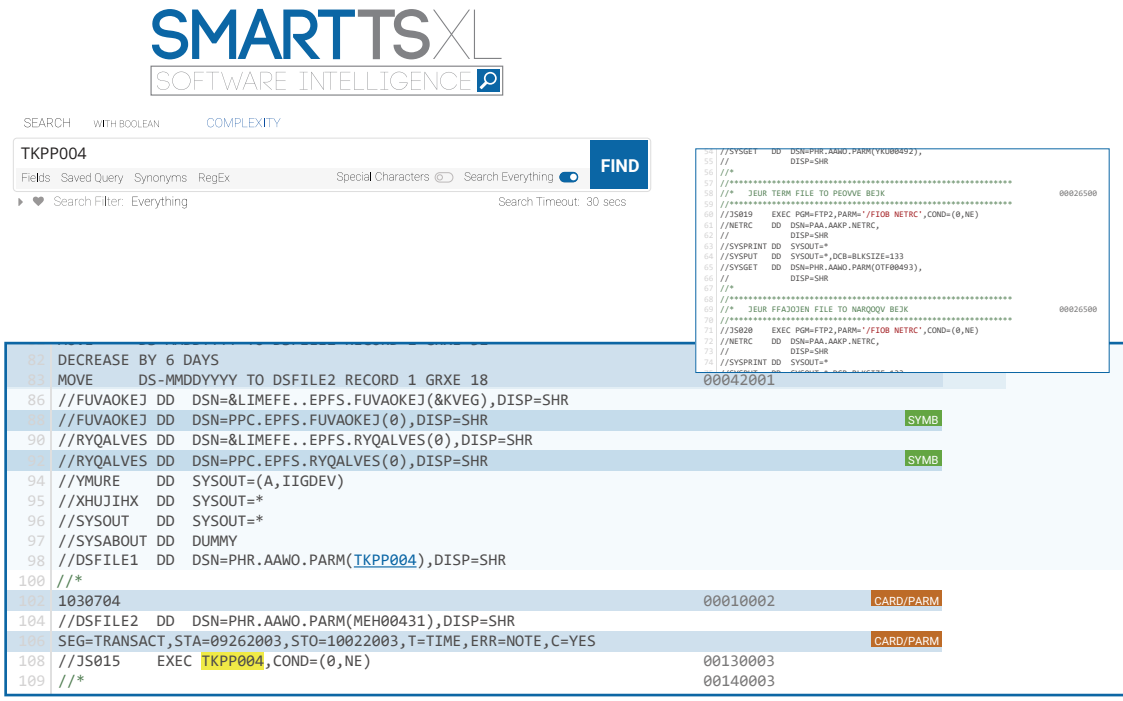
What took us 36 hours on the mainframe, was finished in 9 minutes using JCL Expander. We've never seen a tool that's more informative.

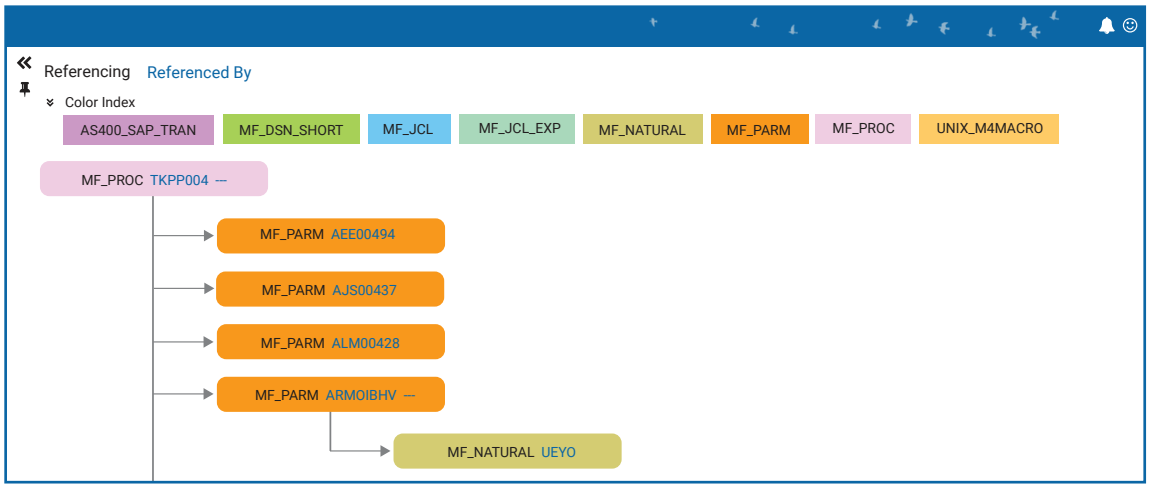
EXPRESS SCRIPTS®

The tool presents the expanded JCL in a run-time display without z/OS runtime comments, duplication and overlays. The JCL expansion tool from SMART TS XL is quicker, cleaner and easier to understand.

To keep the business running, IT departments are busy with lots of targets and projects that have to work together reliably and continuously. JCLs are still used on high-volume mainframes to make sure things are running smoothly. Coding standards are often put into place, but that doesn't prevent errors or non-adherence from cropping up in some JCLs. It's easy for the fine-tuned workload on the mainframe to suffer a setback or substantial delay when these errors cause a job to fail.

Because of the complexity of JCLs and the included procedures, parameters and symbolic variables, working through errors or major changes can be a nightmare. That's why a solution that can show your developers what the entire logic flow in one place is invaluable.





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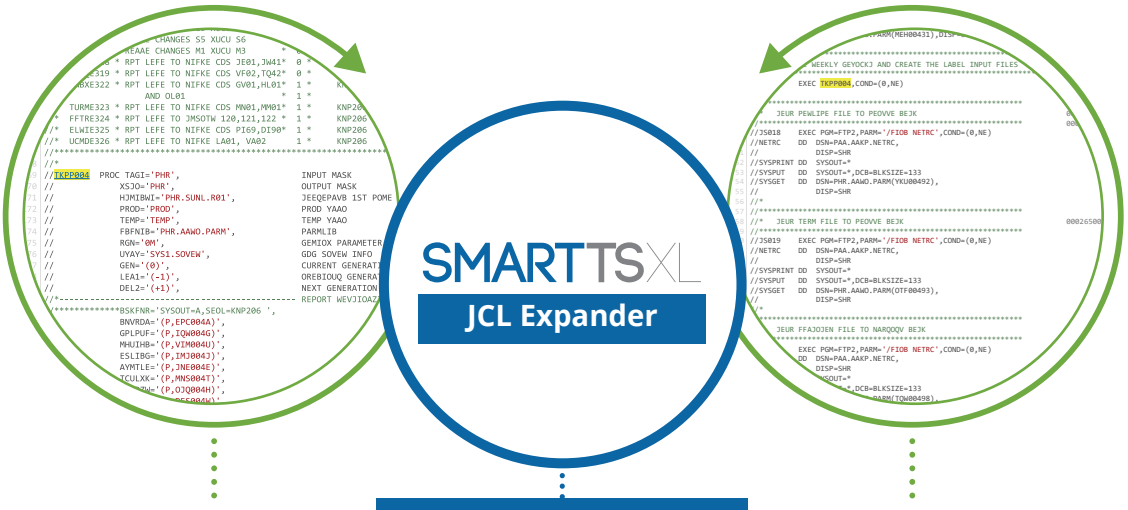

PREVIOUS PROC

Supports multiple PROCS and JCL libraries. Expands PROCS and symbolic variables at one million lines per minute

PREVIOUS JCL

Inserts the executed PROCS into the JCL elements.

The entire expanded PROC is highlighted with a subtle color. It is just enough to help the user make a clear distinction between the existing JCL and the code expanded.

The JCL Expander resolves the symbolic variables.

Lines of code are coded with a label showing before and after components.

Find

This allows users to search on JCL as it appears at runtime.

Follow

During the expansion, runtime values are hyper-linked, allowing users to easily click and follow through the entire system.

Formulate

Expanding the JCL to mimic runtime values also allows very accurate cross-reference reporting of the system flow.

```
//*                                                                     00120003
//*********************************************************************  00050003
//*   RUN THE WEEKLY GEYOCKJ AND CREATE THE LABEL INPUT FILES           00060003
//*********************************************************************  00070003
//YLBWEUG  PROC E='P',                                                   PROC
//             LIMEFE='PPC',
//             TAOFX='FLGWUPJ',
//             KVEG='0',
//             PRM=
//*
//*********************************************************************
//*      LOAD DATE MEMBER(S) USING DATE SYSTEM USITIVF PROGRAM
//*  'DSCNTL' AND 'VAFICED' DD YTATEIEWXJ MUST APPEAR IN THE CALLING
//*  JCL.  'DSCNTL' IS PROGRAM CONTROL YTATEIEWXJ MEMBER; 'DSFILE1'
//*  IXHOUVK 'IKTILE8' SPECIFY THE PDS PEZHEZL TO BE UVJAOEA.
//*********************************************************************
//*
//IL001    EXEC PGM=&TAOFX,PARM='&PRM',
//IL001    EXEC PGM=FLGWUPJ,PARM='',                                     SYMB
//             COND=(0,NE),GEMIOX=2M
//*
//STEPLIB  DD  DSN=ACM.EPFO.PROD.SOATOIQ,DISP=SHR
//         DD  DSN=CEE.J1T5X0.IXEEKUG,DISP=SHR
//DSCNTL   DD  DUMMY,DSN=&E.AA.AAWO.DSCNTL,DISP=SHR
//DSCNTL   DD  DSN=PHR.AAWO.PARM(WLU00400),DISP=SHR                      OVRD
DECREASE BY 90 DAYS                                    00010000         CARD/PARM
*
MOVE     DS-YYMMDD TO DSFILE1 RECORD 1 GRXE 2          00021001
START TIBP DS-DATE                                     00030000
MOVE     DS-MMDDYYYY TO DSFILE2 RECORD 1 GRXE 31       00040001
DECREASE BY 6 DAYS                                     00041000
MOVE     DS-MMDDYYYY TO DSFILE2 RECORD 1 GRXE 18       00042001
//FUVAOKEJ DD  DSN=&LIMEFE..EPFS.FUVAOKEJ(&KVEG),DISP=SHR
//FUVAOKEJ DD  DSN=PPC.EPFS.FUVAOKEJ(0),DISP=SHR                        SYMB
//RYQALVES DD  DSN=&LIMEFE..EPFS.RYQALVES(0),DISP=SHR
//RYQALVES DD  DSN=PPC.EPFS.RYQALVES(0),DISP=SHR                        SYMB
//YMURE    DD  SYSOUT=(A,IIGDEV)
//XHUJIHX  DD  SYSOUT=*
//SYSOUT   DD  SYSOUT=*
//SYSABOUT DD  DUMMY
//DSFILE1  DD  DSN=PHR.AAWO.PARM(TKPP004),DISP=SHR
//*
1030704                                                00010002         CARD/PARM
//DSFILE2  DD  DSN=PHR.AAWO.PARM(MEH00431),DISP=SHR
SEG=TRANSACT,STA=09262003,STO=10022003,T=TIME,ERR=NOTE,C=YES           CARD/PARM
//JS015    EXEC TKPP004,COND=(0,NE)                    00130003
//*                                                    00140003
//*************************************************************        00026500
//*   JEUR PEWLIPE FILE TO PEOVVE BEJK                 00026500
//*************************************************************        00026500
//*********************************************************************  PROC
//**************   J N A   Z I A M L E   I I J W O V H  ***************
//*********************************************************************
//* RFS #   DATE   WHO DESCRIPTION
//* ----- -------- --- ----------------------------------------------
//* 24006 11-05-03 KLW ALOIZI GEYOCKJ TO WIUQAEOK FOR EATR REPORT
//*                    TCAI IS NOW BEING SENT TO KNP206
//*********************************************************************
```