

Client Experiences



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.

Find

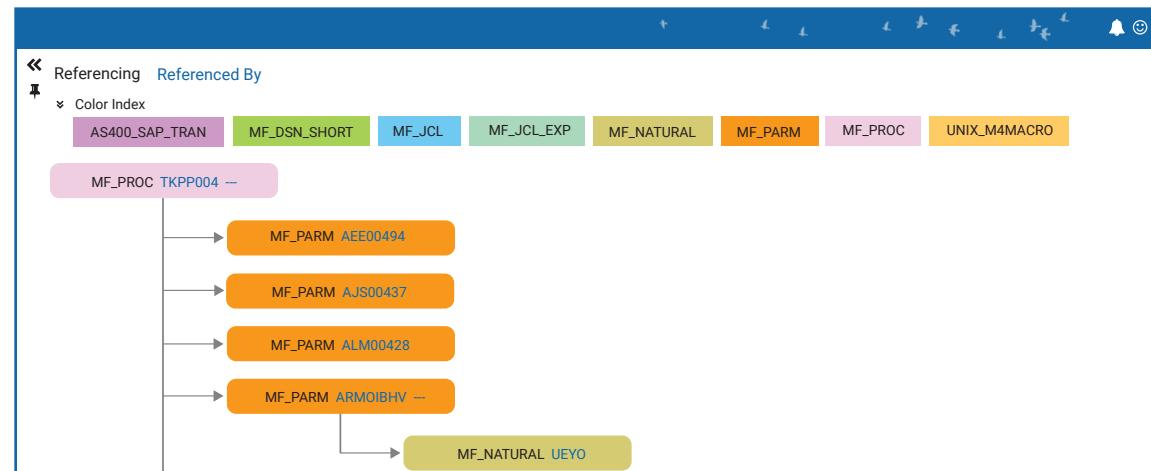
SMARTTS XL
SOFTWARE INTELLIGENCE

SEARCH WITH BOOLEAN COMPLEXITY
TKPP004
Fields Saved Query Synonyms RegEx Special Characters Search Everything FIND
▶ Search Filter: Everything Search Timeout: 30 secs

Follow

DECREASE BY 6 DAYS
MOVE DS-MMDDYYYY TO DSFILE2 RECORD 1 GRXE 18
//FUVAOKEJ DD DSN=&LIMEFE..EPFS.FUVAOKEJ(&KVEG),DISP=SHR
//FUVAOKEJ DD DSN=PPC.EPFS.FUVAOKEJ(0),DISP=SHR
//RYQALVES DD DSN=&LIMEFE..EPFS.RYQALVES(0),DISP=SHR
//RYQALVES DD DSN=PPC.EPFS.RYQALVES(0),DISP=SHR
//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 00130003 CARD/PARM
//JS015 EXEC TKPP004,COND=(0,NE) 00140003
/*

Formulate



```

26 //** 99201 PS060 IN PROC SLOUAYT
27 //** JJJ704 20000720 KLW ALOIZA THE TYPE OF THE JCL IN JS07
28 //** 2013 EXEC PGM=FLGWUP,PARM='<JCL>' IN THE PROC AND J
29 //** PRINT 3 IN YAOEPU IXUNEAQ OF 1 IN
30 //** AMHO IN 30 &MPF: 60
31 //** 20199 20001116 KLW ALOIZA JS080 FOR EXEC OSWIFE YAOEP
32 //** 21105 20040427 LXT MOVE FPT PGEIJ TO JCL FROM PROC T
33 //** 24108 20040427 LXT MOVE FPT PGEIJ TO JCL FROM PROC T
34 //*****+
35 //** *JOBLIB DSN=ACM.EPFO.PROD.SOATOIQ,DISP=SHR
36 //** DD DSN=ACM.EPFO.PROD.SOATOIQ,DISP=SHR
37 //** DD DSN=ACM.EPFO.PROD.SOATOIQ,DISP=SHR
38 //** DD DSN=PHR.AAWO.PARM(MHE00431),DISP=SHR
39 //** DD DSN=PHR.AAWO.PARM(MHE00431),DISP=SHR
40 //**+
41 //** SET THE UATRW FOR THE JOB
42 //*****+
43 //** JSD010 EXEC PGM=YBWEUG ALG= AUTOMATED DATE LOAD
44 //** JSD010 DD DSN=RAA.AAWO.PARM(WL000440),DISP=SHR
45 //** JSDCNL DD DSN=PHR.AAWO.PARM(WL000440),DISP=SHR
46 //** DSFILE1 DD DSN=PHR.AAWO.PARM(WI000402),DISP=SHR
47 //** DSFILE2 DD DSN=PHR.AAWO.PARM(WI000402),DISP=SHR
48 //**+
49 //** RUN THE WEEKLY GEYOCKJ AND CREATE THE LABEL INPUT F
50 //*****+
51 //** JS015 EXEC TRPP004,COND=(0,NE)
52 //**+
53 //**+
54 //** JEUR PENLIP FILE TO PROOVE BEJK
55 //*****+
56 //** JS018 EXEC PGM=FTP2,PARM='>IOB NETRC',COND=(0,NE)
57 //** NETRC DD DSN=RAA.AAKP.NETRC,
58 //** DISP=SHR
59 //**+
60 //** SYSPRINT DU SYSOUT=*
61 //** SYSPUT DD SYSOUT=*,DCB=BLKSIZE=133
62 //** SYSGET DD DSN=PHR.AAWO.PARM(WL000492),
63 //** DISP=SHR
64 //**+
65 //** JEUR TERM FILE TO PROOVE BEJK
66 //*****+
67 //** JS019 EXEC PGM=FTP2,PARM='>IOB NETRC',COND=(0,NE)
68 //** NETRC DD DSN=RAA.AAKP.NETRC,
69 //** DISP=SHR
70 //** SYSPRINT DU SYSOUT=*
71 //** SYSPUT DD SYSOUT=*,DCB=BLKSIZE=133
72 //** SYSGET DD DSN=PHR.AAWO.PARM(WL000493),
73 //** DISP=SHR
74 //**+
75 //** JEUR PFAJDEN FILE TO HAROCV BEJK
76 //*****+
77 //** JS020 EXEC PGM=FTP2,PARM='>IOB NETRC',COND=(0,NE)
78 //** NETRC DD DSN=RAA.AAKP.NETRC,
79 //** DISP=SHR
80 //** SYSPRINT DU SYSOUT=*
81 //** SYSPUT DD SYSOUT=*,DCB=BLKSIZE=133
82 //** SYSGET DD SYSOUT=*,DCB=BLKSIZE=133

```

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.

PREVIOUS PROC

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

PREVIOUS JCL

```

47 //*****
48 //** RUN THE WEEKLY GEYOCKJ AND CREATE THE LABEL INPUT FILES
49 //*****+
50 //** YLBWEUG PROC E='P',
51 //** LIMEFE='PPC',
52 //** TAOFX='FLGWUPJ',
53 //** KVEG='0',
54 //** PRM=
55 //**+
56 //**+
57 //** LOAD DATE MEMBER(S) USING DATE SYSTEM USITIVP PROGRAM
58 //**+
59 //** DSCNTL' AND 'VAFICED' DD YTATEIWJX MUST APPEAR IN THE CALLING
60 //** JCL. 'DSCNTL' IS PROGRAM CONTROL YTATEIWJX MEMBER; 'DSFILE1'
61 //** IXHOUVK 'IKTILE8' SPECIFY THE PDS PEZHEZL TO BE UV30EA.
62 //**+
63 //**+
64 //** IL001 EXEC PGM=&TAOFX,PARM='&PRM',
65 //** IL001 EXEC PGM=FLGWUPJ,PARM='',
66 //** COND=(0,NE),GEMIOX=2M
67 //**+
68 //** STEPLIB DD DSN=ACM.EPFO.PROD.SOATOIQ,DISP=SHR
69 //** DD DSN=CEE.J1T5X0.IXEKUG,DISP=SHR
70 //**+
71 //** DSCNTL DD DUMMY,DSN=&E_AA.AAWO.DSCNTL,DISP=SHR
72 //**+
73 //** DSCNTL DD DSN=PHR.AAWO.PARM(WL000400),DISP=SHR
74 //** DECREASE BY 90 DAYS
75 //**+
76 MOVE DS-YMMMD TO DSFILE1 RECORD 1 GRXE 2
77 START TIIP DS-DATE
78 MOVE DS-MDDYY TO DSFILE2 RECORD 1 GRXE 31
79 DECREASE BY 6 DAYS
80 MOVE DS-MMDDYYYY TO DSFILE2 RECORD 1 GRXE 18
81 //** FVAOKEJ DD DSN=&IMEFE..EPFS.FVAOKEJ(&KVEG),DISP=SHR
82 //** FVAOKEJ DD DSN=PPC.EPFS.FVAOKEJ(&0),DISP=SHR
83 //** RYALVES DD DSN=&IMEFE..EPFS.RYALVES(&0),DISP=SHR
84 //** RYALVES DD DSN=PPC.EPFS.RYALVES(&0),DISP=SHR
85 //** YMURE DD SYSOUT=(A,IIIGDEV)
86 //** XHUJIIHK DD SYSOUT=*
87 //** SYSOUT DD SYSOUT=*
88 //** SYSABOUT DD DUMMY
89 //** DSFILE1 DD DSN=PHR.AAWO.PARM(TKPP004),DISP=SHR
90 //**+
91 //**+
92 //**+
93 //**+
94 //**+
95 //**+
96 //**+
97 //**+
98 //**+
99 //**+
100 //**+
101 //**+
102 //**+
103 //**+
104 //** DSFILE2 DD DSN=PHR.AAWO.PARM(MHE00431),DISP=SHR
105 //** SEG-TRANSACT,STA=09262003,STO=10022003,T=TIME,ERR=NOTE,C=YES
106 //**+
107 //** JS015 EXEC TKPP004,COND=(0,NE)
108 //**+
109 //**+
110 //** JEUR PENLIP FILE TO PROOVE BEJK
111 //**+
112 //**+
113 //**+
114 //**+
115 //** J N A Z I A M L E I I J W O V H ****
116 //**+
117 //** RFS # DATE WHO DESCRIPTION
118 //**+
119 //** 24006 11-05-03 KLW ALOIZI GEYOCKJ TO WIUQAEOK FOR EATR REPORT
120 //** TCAT IS NOW BEING SENT TO KNP206
121 //**+

```