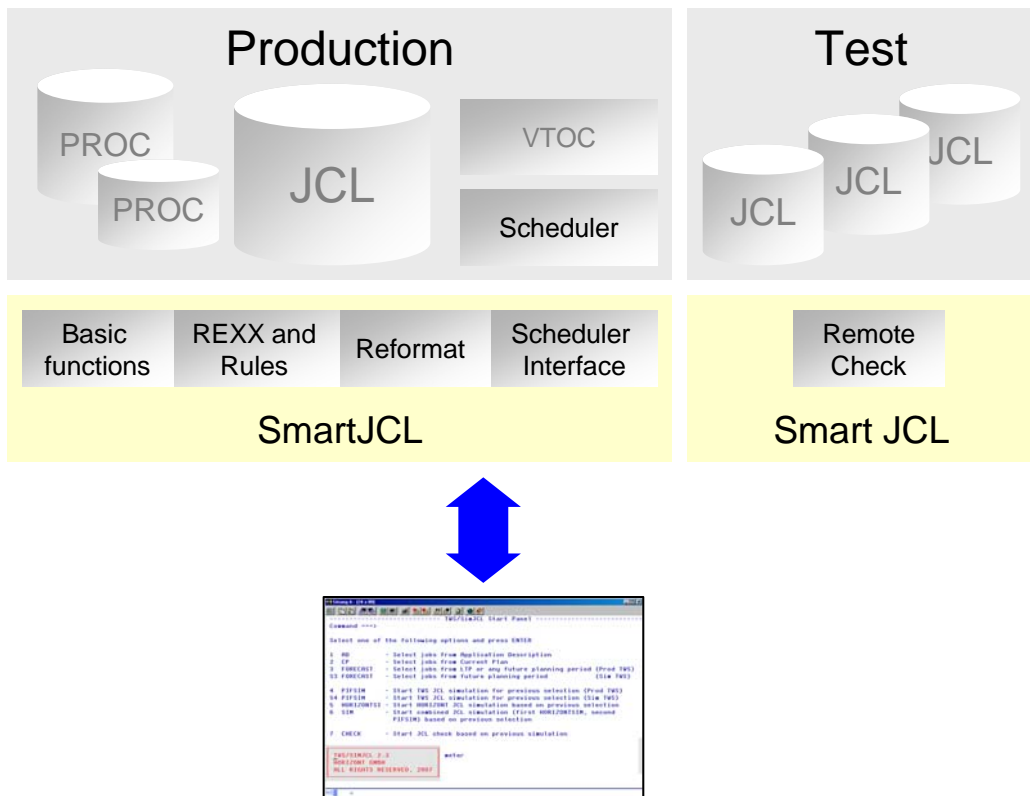


# SmartJCL

The Easy Way to Faultless JCL

Despite all predictions to the contrary, the number of mainframe jobs continues to grow. As a result, old JCL has to be modified and new JCL has to be created. But production JCL cannot easily be tested – and that's a problem.

→ The upshot of this is that any modified JCL is a potential cause of *production* errors. SmartJCL eliminates problems at the source, thus *dramatically* reducing the number of abends.



Some of the additional benefits of SmartJCL are integrated scheduler interfaces, a powerful reformat function, remote check feature and a REXX interface that allows you to adapt the product easily to your special needs.

SmartJCL  
The Easy Way to Faultless JCL

→ You need a cost effective JCL checker that validates your JCL at an affordable price. No more and no less. That JCL checker is SmartJCL.

# SmartJCL

The Easy Way to Faultless JCL

## Area of Application

SmartJCL is the JCL checker for all Datacenters that want to reduce typical JCL mistakes such as:

- Syntax errors
- Missing files, programs and procedures
- Errors caused by incorrect scheduler variables

## Data Sources

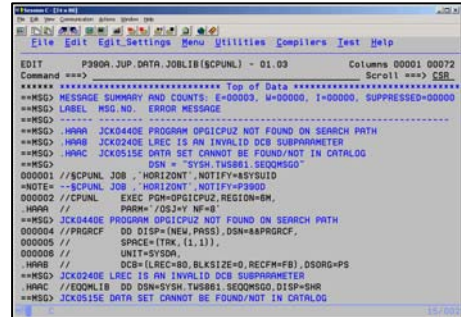
SmartJCL analyzes JCL and all relevant components:

- Procedures
- Symbolic parameters
- Utility statements
- DASD and UNIT availability
- Dataset availability
- Scheduler variables

## Additional Features

In addition to JCL validation, SmartJCL:

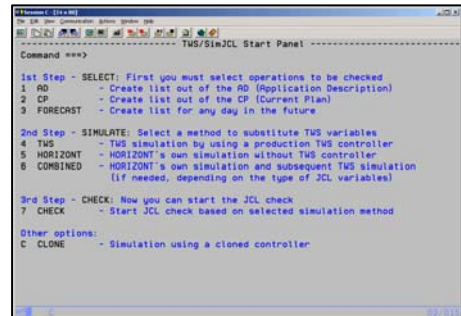
- Simulates catalog actions.
- Substitutes scheduler variables with the correct values.
- Remote check to check JCL on another system
- Validation of site specific standards by using the REXX interface.
- Generate REXX to check standards by using an ISPF dialog
- Formats and changes JCL automatically according to site standards, e.g. alignments of parameters.



```
EDIT P390A JUP.DAT1.JOBLIB(SCPUNL) - 01.03 Columns 00001 00072
Command ==> Scroll ==> SSB.
***** Top of Data *****
==MSGD MESSAGE SUMMARY AND COUNTS: E=00000, M=00000, I=00000, SUPPRESSED=00000
==MSGD LABEL MSG NO. ERROR MESSAGE
-----
==MSGD HARA JCK0440E PROGRAM OPGICPUZ NOT FOUND ON SEARCH PATH
==MSGD HARA JCK0240E LREC IS AN INVALID DCB SUBPARAMETER
==MSGD HARC JCK0555E DATA SET CANNOT BE FOUND/NOT IN CATALOG
==MSGD DSN = "SYSH.TW5861.SEQ0MSG"
000001 //SCPUNL JOB , HORIZONT , NOTIFY=BSYSUID
==NOTE --SCPUNL JOB , HORIZONT , NOTIFY=PS900
000002 //CPUNL EXEC PGM=OPGICPUZ,REGION=0M,
HARA // PARM='05J=NF=8'
==MSGD JCK0440E PROGRAM OPGICPUZ NOT FOUND ON SEARCH PATH
000004 //PRGRCF DD DISP=(NEW,PASS),DSN=BAPRGRCF,
000005 // SPACE=(TRK,(1,1)),
000006 // UNIT=PS90A,
HARA // DCB=(LREC=80,BLKSIZE=0,RECFM=FB),DSORG=PS
==MSGD JCK0240E LREC IS AN INVALID DCB SUBPARAMETER
HARC //EODMLIB DD DSN=SYSH.TW5861.SEQ0MSG,DISP=SHR
==MSGD JCK0555E DATA SET CANNOT BE FOUND/NOT IN CATALOG
```

### Edit Macro Interface

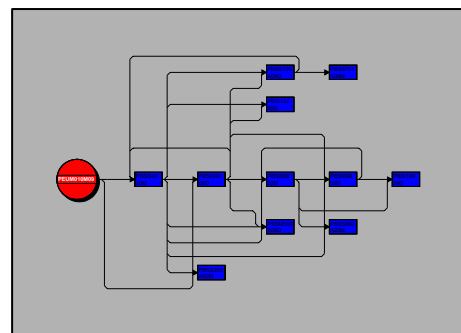
SmartJCL can be invoked from the ISPF editor. Possible errors are highlighted as "NOTE" lines.



```
TWS/SmJCL Start Panel
Command ==>
1st Step - SELECT: First you must select operations to be checked
1 AD - Create list out of the AD (Application Description)
2 CP - Create list out of the CP (Current Plan)
3 FORECAST - Create list for any day in the future
2nd Step - SIMULATE: Select a method to substitute TWS variables
4 TWS - TWS simulation by using a production TWS controller
5 HORIZONT - HORIZONT's own simulation without TWS controller
6 COMBINED - HORIZONT's own simulation and subsequent TWS simulation
(if needed, depending on the type of JCL variables)
3rd Step - CHECK: Now you can start the JCL check
7 CHECK - Start JCL check based on selected simulation method
Other options:
C CLONE - Simulation using a cloned controller
```

### Scheduler Interface

SmartJCL has interfaces to TWS (Tivoli Workstation Scheduler) and Control-M. Jobs to be checked can be selected by scheduler specific values such as application, owner or workstation.



### Checking Job Streams

SmartJCL can check complex job streams. Catalog actions can be simulated in advance, thus avoiding conflicting disposition parameters.