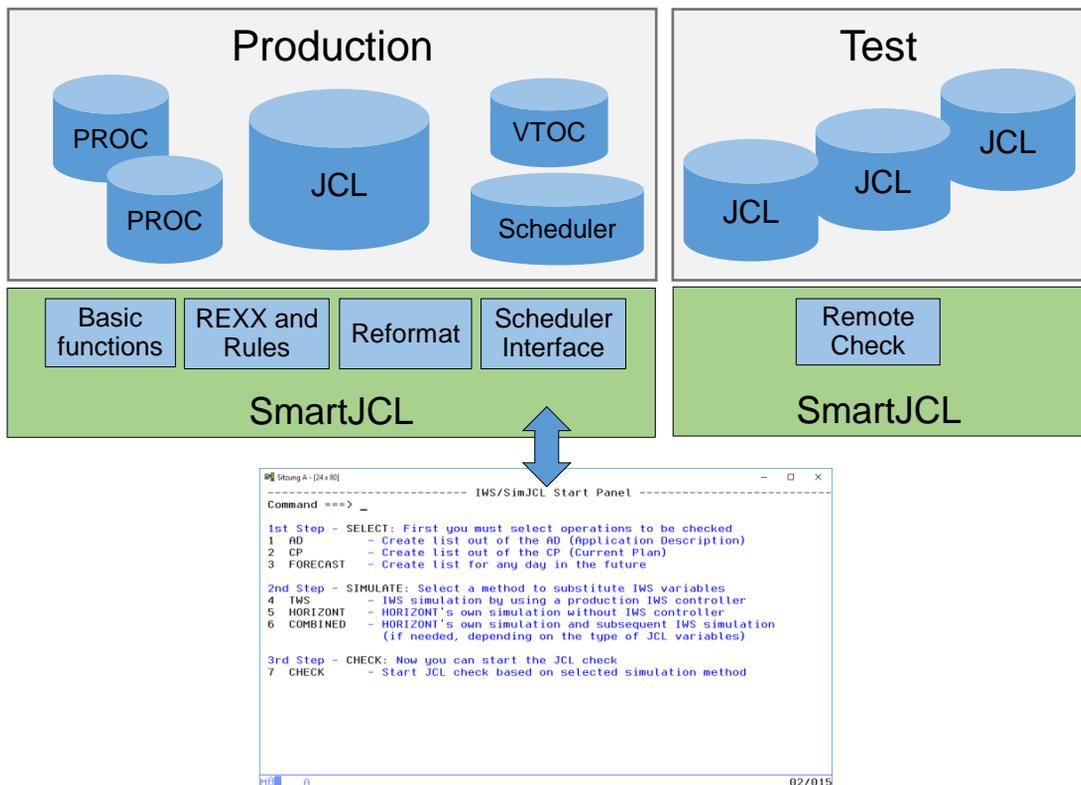


SmartJCL

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, change and 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

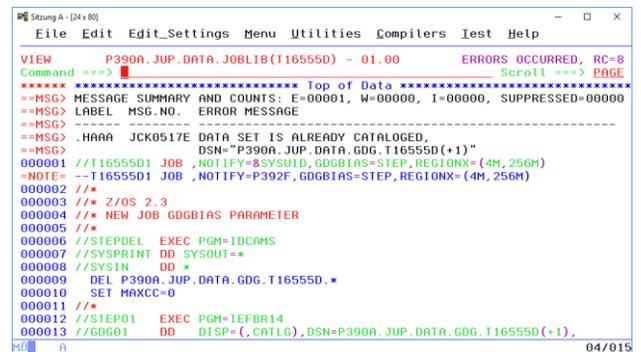
SmartJCL analyzes JCL and all relevant components:

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

Additional Features

In addition to JCL validation, SmartJCL:

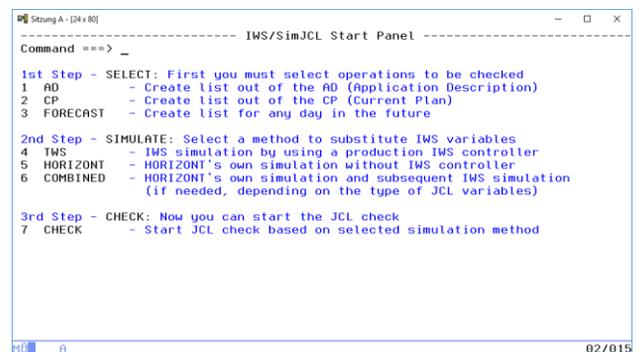
- Simulates catalog actions.
- Substitutes scheduler variables with the correct values.
- Remote check to check JCL on another system
- Validation of site specific standards by using the REXX interface.
- Generate REXX to check standards by using an ISPF dialog
- Formats and changes JCL automatically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



```
VIEW P390A.JUP.DATA.JOBLIB(T16555D) - 01.00 ERRORS OCCURRED, RC=8
Command ==>
***** Top of Data *****
==MSG> MESSAGE SUMMARY AND COUNTS: E=00001, W=00000, I=00000, SUPPRESSED=00000
==MSG> LABEL MSG.NO. ERROR MESSAGE
-----
==MSG> .HAAA JCK0517E DATA SET IS ALREADY CATALOGED,
==MSG> DSN="P390A.JUP.DATA.GDG.T16555D(+)"
000001 //T16555D1 JOB ,NOTIFY=8SYSUID,GDGBIAS=STEP,REGIONX=(4M,256M)
-NOTE= -T16555D1 JOB ,NOTIFY=P392F,GDGBIAS=STEP,REGIONX=(4M,256M)
000002 /*
000003 /* Z/OS 2.3
000004 /* NEW JOB GDGBIAS PARAMETER
000005 /*
000006 //STEPDEL EXEC PGM=IDCAMS
000007 //SYSPRINT DD SYSOUT=*
000008 //SYSIN DD *
000009 DEL P390A.JUP.DATA.GDG.T16555D.*
000010 SET MAXCC=0
000011 /*
000012 //STEP01 EXEC PGM=IEFBR14
000013 //GDG01 DD DISP=(,CATLG),DSN=P390A.JUP.DATA.GDG.T16555D(+),
04/015
```

Edit Macro Interface

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



```
----- IWS/SimJCL 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

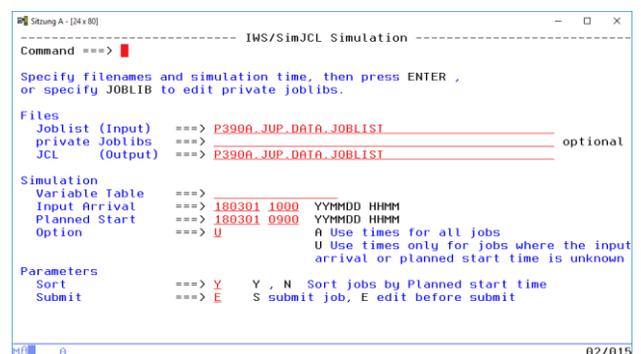
2nd Step - SIMULATE: Select a method to substitute IWS variables
4 TWS - IWS simulation by using a production IWS controller
5 HORIZONT - HORIZONT's own simulation without IWS controller
6 COMBINED - HORIZONT's own simulation and subsequent IWS simulation
(if needed, depending on the type of JCL variables)

3rd Step - CHECK: Now you can start the JCL check
7 CHECK - Start JCL check based on selected simulation method

02/015
```

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.



```
----- IWS/SimJCL Simulation -----
Command ==>

Specify filenames and simulation time, then press ENTER ,
or specify JOBLIB to edit private joblibs.

Files
Joblist (Input) ==> P390A_JUP_DATA_JOBLIST
private Joblibs ==> optional
JCL (Output) ==> P390A_JUP_DATA_JOBLIST

Simulation
Variable Table ==>
Input Arrival ==> 180301 1000 YYMMDD HHMM
Planned Start ==> 180301 0900 YYMMDD HHMM
Option ==> U
U Use times for all jobs
U Use times only for jobs where the input
arrival or planned start time is unknown

Parameters
Sort ==> Y Y, N Sort jobs by Planned start time
Submit ==> E S submit job, E edit before submit

02/015
```

Checking Job Streams

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