

# SmartJCL – The Complete JCL Solution

#### Preamble

This presentation gives a comprehensive overview of SmartJCL

At some slides this button can be used to jump to specific slides in this presentation.

e.g. jump to slide Agenda

Click on this symbol to jump to the overview slide

HORIZONT

# AGENDA SmartJCL – The Complete JCL Solution

What is SmartJCL

JCL Validation

Reformat

Rules for Standards Check

Change Facility

**REXX** Interface

Remote Check

Scheduler Interfaces

ISPF Dialog

# What is SmartJCL?

- It's more than a simple JCL checker. It offers many additional features that makes it a complete JCL management tool:
- SmartJCL validates JCL
  - Syntax
  - Utilities (like IDCAMS, Sort, etc.)
  - Program found / not found
  - Dataset allocation, Acess authority check
- SmartJCL has many additional functions like
  - Reformat
  - Remote check
  - Standards Check, Change Facility, REXX interface
  - Scheduler interface (Control-M, IWS for z/OS)
- SmartJCL can be used as Edit Macro, in Batch, from ISPF or eclipse
- Integrated in ProcMan, it offers full JCL Change Management
  - Moves JCL through all stages, e.g. from Test to Integration to Production
  - Full history, e.g. a JCL containing all versions

# JCL Validation – Edit Macro

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VIEW SYSH.IXGC.JOBLIB(DB2C0B2T) - 01.12 Columns 00001 00072
Command ===> <u>JCK</u> Scroll ===> <u>PAGE</u>
UUUUUI //DB2CUB2T JUB , HURIZ TYPE JCK SS=H
000002 //*&UPL SUHN
000003 77300LID DD DISPESTIR, DSNEDSNDIU, DDDG, SDSNEXIT
000000 //STSTATAT DD STOOOT **
000008 DEL P390K,XINEO,V3R6,DATA,DB2C0B2,REPORT,D&0YMD1
000009 SET MAXCC = 0
000010 //*
000011 //PH02CS04 EXEC PGM=IKJEFT01,DYNAMNBR=20,COND=(4,LT)
000012 //SYSTSPRT DD SYSOUT=*
000013 //SYSPRINT DD SYSOUT=*
000014 //SYSOUT DD SYSOUT=*
000015 //REPORT DD DSN=P390K.XINF0.V3R6.DATA.DB2C0B2.REPORT.D&0YMD1,
000016 // DISP=(,CATLG),
000017 // SPACE=(TRK, (10, 10), RLSE),
000018 // DCB=(DSORG=PS, RECFM=FB, BLKSIZE=23474)
000019 //SYSISIN DD *
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# JCL Validation – DSN Catalog



# JCL Validation – DSN Catalog



### JCL Validation – PGM not found



#### **JCL Validation - Utilities**

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EDIT Comman( ***** ==MSG> ==MSG> ==MSG> ==MSG> ==MSG>	SYSH.TXGC.JOBLIB(DB2COB2) - 01.11 d ===> **********************************	ERRORS OCCURRED, RC=8 Scroll ===> PAGE ************************************
==MSG> 000700 .HAAA ==MSG> ==MSG> 000900 001000 001100 001200 001300 .HAAA	.HAAA JCK2204E SORT (LINE=00001): INVALID ( //SORTSMF EXEC PGM=SORT //SORTIN DD DSN=DATA.SMFTEMP,DISP=(SHF JCK0392W GDG BASE DATA SET SPECIFIED WIT DSN = DATA.SMFTEMP //SORTOUT DD DSN=DATA.SMFDUMP(+1); // DISP=(,CATLG), // SPACE=(TRK,(500,250),RLSE) //SYSOUT DD SYSOUT=* //SYSIN DD * SORT DIELDS=(11,4,CH,A,7,4,CH,A),EQUALS	OPERAND IS FOUND (DIELDS) Besides IDCAMS, IEBGENER, IEBCOPY etc. SORT statements are checked.
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# **JCL Reformat**

Use the reformat function to change the JCL format quickly and easily to conform readable standards.

- Administrator specifies positions of keyword, value and continuation line indiviually for each JCL parameter according to your company needs.
- User invokes the function out of the ISPF editor with a simple line command.
- JCL is reformatted automatically according to your specifications.

# **JCL Reformat**

```
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                                                                     \times
  File Edit Edit Settings Menu Utilities Compilers Test Help
                                   Type JREF...
          SYSH_IXGC.JOBLIB(GDGJ1
VIEW
                                                        Columns 00001 00072
Command ===> JREF
                                                           Scroll ===> PAGE
      000001 //GDGJ102# JOB CLASS=A,
000002 //
                     MSGCLASS=T
                                             Unformatted JCL is
000003 //*
000004 //* HORIZONT TEST-JCL
                                               difficult to read.
000005 //* READS
                    1 GDG
000006 //* CREATES 2 NEW GDGS
000007 //*
000008 //STEP1 EXEC PGM=IEFBR14
000009 //GDG011 DD DSN=DATA.TST.GDGJ101.GDG01(0),DISP=SHR
000010 //GDG010
                 DD DSN=DATA.TST.GDGJ102.GDG01(+1),
          DISP=(NEW, CATLG), UNIT=SYSDA,
000011 //
000012 // SPACE=(TRK, (1, 1), RLSE),
000013 //
             DCB=(DSORG=PS, RECFM=FB, LRECL=80)
                 DD SPACE=(TRK, (1, 1), RLSE),
000014 //GDG030
000015 // DSN=DATA.TST.GDGJ103.GDG01(+1),LRECL=80,
           DISP=(NEW, CATLG), UNIT=SYSDA,
000016 //
             DCB=(DSORG=PS, RECFM=FB)
000017 //
000018 //
000019 //*
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     В
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```

# **JCL Reformat**

```
Sitzung B
                                                               ×
  <u>File Edit Edit_Settings Menu Utilities Compilers Iest Help</u>
VIEW
         SYSH.TXGC.JOBLIB(GDGJ102#) - 01.02REFMT SUCCESSFUL, RC=0
                                                     Scroll ===> PAGE
Command ===>
000001 //GDGJ102# JOB CLASS=A,
                                    ... and get the
000002 //
                   MSGCLASS=T
000003 //*
                                   reformatted JCL.
000004 //* HORIZONT TEST-JCL
000005 //* READS 1 GDG
000006 //* CREATES 2 NEW GDGS
000007 //*
000008 //STEP1 EXEC PGM=IEFBR14
000009 //GDG01I
               DD DSN=DATA.TST.GDGJ101.GDG01(0),
000010 //
                   DISP=SHR
               DD DSN=DATA.TST.GDGJ102.GDG01(+1),
000011 //GDG010
000012 //
                   DISP=(NEW,CATLG),
000013 //
                   UNIT=SYSDA,
                   SPACE=(TRK, (1, 1), RLSE),
000014 //
                   DCB=(DSORG=PS, RECFM=FB, LRECL=80)
000015 //
               DD DSN=DATA.TST.GDGJ103.GDG01(+1),
000016 //GDG030
                   DISP=(NEW, CATLG),
000017 //
000018 //
                   UNIT=SYSDA,
                   SPACE=(TRK, (1, 1), RLSE),
000019 //
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```

# **Rule Dialog – Standard Check**

An ISPF dialog supports an "JCL Adminstrator" to specify rules according to site specific standards easily:

- Every site has individual rules, e.g.
  - "the first qualifier of new datasets in production must be PROD"
  - "UNIT WORK not allowed if program is SORT"
- It is possible to use SmartJCL's REXX interface and code such checks.
- The ISPF rule dialog simplifies that. No coding is needed to setup your own standard checks.

- ...

# **Rule Dialog – Standard Check**

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Sta	ndard Check: Modify Ru	le	ROW 1	TO 9 OF 9	
Commands: AddC Add Conditi	on AddE Add Exception .	AddA Add Actic	on CANcel	I> <u>PAGE</u>	
LineCmds: I Insert M Modif	y D Delete Condition/E	xception/Actic	n		
Rule name : HLQ Description: HLQ of new DS Condition JOB.CLASS DD.DISP.NORMAL	EQ 'P' EQ 'CATLG'	Here we w datasets, not okay, a appropriate	verify the D , if the job i a message e RC will b	OSN of new run in class will be wri be set (that'	cataloged "P". If it's tten and an s defined in
_ Exception _ SUBSTR(DD,DSN,1,4)	INLIST 'DATA, SYSH'	the	e member	's message	es).
_ Action MESSAGE ***** *******************************	LAST_JCL_STMT `STD000SI **** Bottom of Data **	E <b>-</b>	*****	* * * * * * * * * * *	
An ISPF "wizard" guides generate the conditions ar	you step by step to nd actions of the rule.			04/015	5

# **Rule Dialog – Standard Check**



# **Change Facility**

In addition to the REXX Interface, SmartJCL has an integrated change facility. It enables you to implement automatic and/or mass changes easily. Examples:

- CHANGE PARM=DSN , VALUE=PROD\* , NEWVAL=TEST\*
- DELETE PARM=UNIT
- DELETE JOB=ABC% , PGM=IDCAMS , PARM=UNIT , VALUE=TAPE4

In case of more complex demands, use the REXX Interface.

SRI allows to access all JCL parameters out of your REXX programs.

- SRI provides access to all JCL statements for verification and modification by writing simple REXX code.
- SRI has functions to access JCL constructs easily, e.g. if qualifier ("dataset name", FIRST)="TEST"then ...
- SRI contains functions to delete, insert or modify all statements, even complete steps can be inserted automatically!
- SRI is a powerful tool to simplify JCL handling, e.g. to
  - Implement your own checks and setup a "JCL quality insurance system".
  - To change JCL automatically.

#### **REXX Interface**

```
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                                                                           \times
  File Edit Edit Settings Menu Utilities Compilers Test Help
           SYSH. SMARTJCL. V3R1. SAMPLIB(SRIX0301)
VIEW
                                                      There are a lot of well documented
Command ===>
           /* if stmtptr points to DD statement th
                                                     examples which explain how the SRI
000028
           if (SRISayStmtType(stmtptr) = 'DD') the
000029
                                                             functions are working.
000030
000031
              /* get the first parm of DD that stmtpt: points to */
000032
             parmptr = SRIGetParm(stmtptr, 0, 'FIRST');
              /* do for all parameters od the DD */
000033
              do while (parmptr /= 0);
000034
                                                                 Here we go through all
000035
                                                                statements, if it's a DD we
000036
               /* read name and value of the parameter that
000037
               parmname = SRISayParmName(stmtptr, parmptr)
                                                               go through all parameters,
000038
               parmvalue = SRISayParmValue(stmtptr, parmptr)
                                                                if it is DSN= we check the
000039
                /* if name of the parameter = 'DSN' and i
000040
                                                                name and do something.
                 * DATA.DEMO or DATA.DEMO(...) then cont
000041
000042
                ж/
                if (parmname = 'DSN' &,
000043
                    SRIDsn(parmvalue) = 'DATA.DEMO') then do;
000044
000045
000046
                  /* read member name */
000047
                 membername = SRIMember(parmvalue);
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```

# **Remote Check**

The Remote Check enables you to perform the JCL check on another system. Advantages are:

- Simplifies checking JCL from the test or development system against the production libraries on the production system.
- It avoids to transfer the JCL manually to the other (remote) system, logon to that system and check it locally at this system.
- SmartJCL remote check uses standard TCP/IP architecture
  - Simple TCP/IP protocol.
  - Easy to install, easy to use.
- It works like this:
  - The user creates or modifies JCL on the development system.
  - The user calls RCK macro with parameter SRV="target system".
  - SmartJCL transfers the JCL, runs the check remotely on the "target system" and sends back the resulting messages.

#### **Scheduler Interfaces**

Sitzung A —	× ■ Sitzung B – □ ×
IBM WORKLOAD SCHEDULER FOR Z/OS Option ===> _ Welcome to IBM Workload Scheduler for z/OS V9R3M0 (IWSz) Connected to OPCC	Eile Edit Edit_Settings Menu Utilities Compilers Iest Help           (1)         OPTION ===>       IOA PRIMARY OPTION MENU      (1)         USER       P390K         DATE       24.08.18
Select one of the following options and press ENTER.0 OPTIONS- Define IWSz dialog user parameters and options1 DATABASE- Display or update IWSz data base information2 LTP- Long Term Plan query and update3 DAILY PLANNING- Produce daily plans, real and trial4 WORK STATIONS- Work station communication5 MCP- Modify the Current Plan6 QCP- Query the status of work in progress7 OLD OPERATIONS- Restart old operations from the DB2 repository9 SERVICE FUNC- Perform IWSz service functions10 OPTIONAL FUNC- Optional functionsX EXIT- Exit from the IWSz dialog	2JOB SCHEDULE DEF ACTIVE ENV.CTM Job Scheduling Definition 3 ACTIVE ENV.3ACTIVE ENV.CTM Active Environment Display 4 COND/RES4COND/RESIOA Conditions/Resources Display5LOGIOA Log Display 4 OUTLITIES6UTILITIESIOA On-Line Utilities 7 MANUAL COND7MANUAL CONDIOA Manual Conditions Display 8 CALENDAR DEF8CALENDAR DEFIOA Calendar Definition FOR Warden and Calendar DefinitionIVVARIABLE DATABASEIOA Variable Database Definition Facility C CMEM DEFINITION C TM Event Manager Rule Definition 
MALA	COMMANDS: X - EXIT, HELP, INFO, SET OR CHOOSE A MENU OPTION
IBM's IWS	BMC's CTM

IBM's IWS

Skip Scheduler interfaces

# **IWS Interface**

One of the major benefits of SmartJCL is the intergrated interface to IWS:

- SmartJCL will simulate variable substitution (important if you use IWS variable in e.g. DSN etc.).
- Optional display IWS info in JCL (e.g. Application id, Predecessors, Successors and Special Ressources).
- Select jobs to be checked from AD or CP by Application id, Owner Id, Input Arrival etc.
- Check JCL in production sequence and simulate catalog actions.
- Several simulation modes allow to check the complete production in advance (and fix errors in advance).

# IWS Interface – Edit Macro



# IWS Interface – Edit Macro

💵 Sitzung B	- 🗆 X	
File	Edit Edit_Settings Menu Utilities Compilers Test Help	
VIEW r		
Comma	Row 1 to 1 of 1	
****	Command ===> Scroll ===>	
00000		
00000	Select line with S to start Simulation	
00000	Enter Command SP to specify additional Parameters	
00000		
00000	Current Plan End Date : 20180824 Time : 0600	
00000	YYYYMMUU HHMM	
00000	Simulation Date ==> <u>20180823</u> Time ==>	
00000	for origin OD optor Input Oppius) Date and Time below	
00000	Tor origin HD enter input Hirivat Date and Time below Input Arrival Date $==>$ 20180823 Time $==>$	
00001	Input in Ivat bate 20100025 Time /	
00001	Application ID Jobpame Input Arrival OpNo WsId Origin	
00001	Date Time	
00001	XINF0DB2DEM0 DB2C0B2 20180823 0600 010 CPU CP	
00001		
00001		
00001		
00001	Creart ICL as a rabas in the CD and AD far the jab Value are abased which	
00001	- SmartJCL searches in the CP and AD for the job. You can choose whic	in one
MA B	should be the input and if it is AD you can enter a simulation date in the	future.

# IWS Interface – Edit Macro



#### IWS Interface – ISPF + Batch



### **IWS Interface – Select from AD**



# **IWS Interface – Select from AD**



#### **IWS Interface – Select from CP**



# **IWS Interface – Select from CP**



# **Checking Jobs in Production Sequence**



# **IWS Interface - Forecast**

💵 Sitzung B			X
		IWS/SimJCL F The forecast creates a t	rial plan 🛛
Command ===>		for any date in the fu	turo
top : RESEI resto	re de	rault values in the fu	luie.
Selection			
Application id	===>	leave b for more select	ion criteria
Database	===>	F L Exis Long Term Plan.	F Forecast
Forecast Period			
From-To	===>	<u>130317</u> <u>0600</u> – <u>130318</u> <u>0559</u> YYMMDD HHMM	
IWS Parameters			
Release	===>	<u>G</u> B V8R3, C V8R5/5M1, E V8R6, F V9R1, G V9I	R2, H V9R3
IWS Subsys	===>	TXGC	(E2E only)
Scriptlib	===>	SYSH. TXGC. SCRPTLIB	(E2E only)
Parmlib	===>		(E2E only)
Topology	===>	Topology parameter member	(E2E only)
AD VSAM	===>	SYSH. TXGC. AD	
WS VSAM	===>	SYSH.TXGC.WS	
RD VSAM	===>	SYSH. TXGC. RD	
SI VSAM	===>	SYSH.TXGC.SI	
LT VSAM	===>	SYSH. TXGC. LT	
CX VSAM	===>	SYSH. TXGC. CX	
Output			
Joblist	===>	P390K.SMARTJCL.TWS.JOBLIST	
Submit	===>	E S submit job, E edit before submit	
MA B			22/051

### **IWS Interface - Forecast**

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<u>F</u> ile	<u>E</u> dit	E <u>d</u> it_Set	tings	s <u>M</u> enu	<u>U</u> tilities	<u>C</u> ompilers	a <u>T</u> est	<u>H</u> el	р		
VIEW	Р3	92E.SMART	JCL.T	WS.JOBL	IST		Co	lumns	00001	. 00	072
Command	: <=== k	_						Scro	ll ===	> <u>C</u>	<u>SR</u>
*****	****	*****	****	******	** Top of	Data *****	*****	****	*****	жжж	***
000001	ACRIT0		TIME	001							
000002	ACRIT1		CPU	001CRIT	1						
000003	ACRIT2		CPU	001CRIT	2						
000004	ACRIT3		CPU	001CRIT	3						
000005	ACRIT4		CPU	001CRIT	4						
000006	ACRIT5		CPU	001CRIT	5		e tha r	acult	will h		
000007	ACRIT6		CPU	001CRIT	6	ns aiway.	5, แษ เ	Coun		t a	
000008	ACRIT7		CPU	001CRIT	7	list of id	ob nam	nes in	a file		
000009	ACRIT9	9	CPU	001CRIT		,					
000010	ADHOC#	HZ0001	DMY	001							
000011	ADHOC#	HZ0001	CPU	010AHZ0	0010						
000012	ADHOC#	HZ0001	CPU	011AHZ0	0011						
000013	ADHOC#	HZ0001	CPU	012AHZ0	0012						
000014	ADHOC#	HZ0001	DMY	255							
000015	ADHOC#	HZ0002	DMY	001							
000016	ADHOC#	HZ0002	CPU	010AHZ0	002						
000017	ADHOC#	HZ0002	DMY	255							
000018	ADHOC#	HZ0003	DMY	001							
000019	ADHOC#	HZ0003	CPU	010AHZ0	003						
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### **IWS Interface – Simulation in Batch**



#### **IWS Interface – Simulation in Batch**

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<u>F</u> ile	<u>E</u> dit E <u>d</u> it	_Settings	<u>M</u> enu	<u>U</u> tilities	<u>C</u> ompilers	<u>I</u> est	<u>H</u> elp				
VIEW	РЗ90К.	.SMARTJCL.I	WS.JCL	OUT			Colu	umns	0000	01	
COMMANI	) ===>						Scrol	1 ===	=> P <i>P</i>	AGE	
000202	00**** JOB:	DB2COB2T	ADID:	XINFODB2DEMC	OPNO:	01			<b></b>		
000203	20//DB2COB2T	JOB , 'HORI	IZONT'	, MSGCLASS=1	, CLASS=A		he out	puti	file (	cont	ains
000204	20//*/OPC SC.	AN					lofa	Il int		orte	ad hy
000205	20//JOBLIB	DD DISP=3	SHR, DSN	J=DSN910.DB90	G.SDSNEXIT			ii jok	, c		·
000206	20//	DD DISP=S	SHR, DSN	J=DSN910.SDSN	ILOAD	<b>pla</b>	anned	star	t, all	va	riable
000207	20//DELETE	EXEC PGM=	DCAMS				are	a res	solve	əd	
000208	20//SYSPRINT	DD SYSOUT=	=*				art			<b>.</b>	
000209	20 DEL SYSH.	XINFO.V3R6	DATA.D	DB2COB2.REPOP	RT.D130816						
000210	20 SET MAXCC	= 0									
000211	20//*										
000212	20//PH02CS04	EXEC PGM=	CKJEFTC	)1,DYNAMNBR=2	20, COND = (4, L)	Γ)					
000213	20//SYSTSPRT	DD SYSOUT=	=*								
000214	20//SYSPRINT	DD SYSOUT=	=*								
000215	20//REPORT	DD DSN=SYS	SH.XINF	TO.V3R6.DATA.	DB2COB2.REPO	DRT.D13	0816,				
000216	20//	DISP=(	,CATLG)	),							
000217	20//	SPACE=	(TRK, (1	10,10),RLSE),							
000218	20//	DCB=(D	SORG=PS	S,RECFM=FB,BI	LKSIZE=23474	)					
000219	20//SYSIN	DD*									
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#### **IWS Interface – JCL Check in Batch**

```
Sitzung B
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                  ----- IWS/SimJCL Start Panel ------
Command ===> 7
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
             - IWS simulation by using a production IWS controller
4 TWS
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

    Start JCL check based on selected simulation method

7 CHECK
Other options:
C CLONE - Simulation using a cloned controller
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```

#### **IWS Interface – JCL Check in Batch**

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<u> F</u> ile <u>E</u> dit E <u>d</u> it_Settings <u>M</u> enu <u>U</u> tilities <u>C</u> ompilers <u>]</u>	[est <u>H</u> elp
EDIT P392E.SOW1.SPFTEMP1.CNTL Command ===>	Columns 00001 00072 Scroll ===> CSR
***** ********************************	<del>***</del> *********************************
000003 //*******************************	**********************
000006 //JCLCHECK EXEC PGM=JCKIPS,REGION=512M 000007 //STEPLIB DD DISP=SHR,DSN=SYSH.SMARTJCL.V3R3.LOAD	)
000008 //JCKJCLI DD DISP=SHR,DSN=P392E.SMARTJCL.TWS.JCL0 000009 //SYSIN DD DISP=SHR,DSN=SYSH.SMARTJCL.V3R3.PARM 000010 //JCKDTL0 DD SYSOUT=* LRECL=80 TO 88. DEPENDS ON	DUT 1(JCKKPARM) PARAMETERS
000011 //JCKSUMO DD SYSOUT=* LRECL=178 000012 //JCKMIGO DD SYSOUT=* LRECL=80 000013 //SYSPRINT DD SYSOUT=* 000014 //SYSOUT DD SYSOUT=*	Now you can start the JCL check of all previously
000015 //CEEDUMP DD SYSOUT=* 000016 //* THIS FILE IS ONLY USED FOR THE REXX INTERFACE	selected and simulated jobs
000017 //SYSTSPRT DD SYSOUT=* ***** ******************************	REXX OUTPUT
MA B	04/015

#### **IWS Interface – JCL Check in Batch**

Image: Britzung B	– 🗆 ×
<u>F</u> ile <u>E</u> dit E <u>d</u> it_Settings <u>M</u> enu <u>U</u> tilit:	i The result is (ontional) a
Display Filter View Print Options Help	- detailed list of the ICL and it's -
SDSF OUTPUT DISPLAY P390KX JOB02145 D COMMAND INPUT ===> **********************************	errors and a summary which contains all messages (including the standard check).
***** JOB: DB2COB2 ADID: XINFODB2D JCK0440E PROGRAM DSN8BC4 NOT FOUND ON SEARC ***** JOB: DB2P112 ADID: XINFODB2DE JCK0080I PROCEDURE XXRJUNC WAS EXPANDED FROM ***** JOB: DB2COMP ADID: XINFODB2DE JCK0080I PROCEDURE XXRJUNC WAS EXPANDED FROM	EMO OPNO: 010 WSID: H PATH EMO OPNO: 015 WSID: M DSN:SYSH.XINFO.V3R5.F EMO OPNO: 020 WSID: DSN:SYSH.XINFO.V3R5.PR H PATH M DSN:SYSH.XINFO.V3R5.PR
***** JOB: DB2COMP ADID: XINFODB2DE JCK00801 PROCEDURE XXRJUNC WAS EXPANDED FROM JCK0540I DATASET IS MIGRATED DSN = "SYSH.XIN JCK0540I DATASET IS MIGRATED DSN = "SYSH.XIN	EMO OPNO: 020 WSID: CPU DSN:SYSH_XINFO_V3R5_PROCLIB FO.V3R5.DATA.DB2COB2.REPORT" FO.V3R5.DATA.DB2COB2.REPORT"

# **Control-M Interface**

Besides TWS SmartJCL also supports Control-M. It enables you to:

- Simulate Control-M variable substitution (AUTO-Edit Function).
- Select the jobs to be checked by Table, Group, Application etc.

Skip CTM interface

# **Control-M ISPF Dialog**

----- CTM/SimJCL Startpanel -----Command ===> Select one of the following options and press ENTER **Control-M Interface** Mainpanel 1 JOBLIST - Select jobs for simulation 2 SIMULATE - Start JCL simulation based on previous selection 3 CHECK - Start JCL check based on previous simulation - Start JCL check without simulation 4 CHECK 5 REFORMAT - Start JCL reformat (pre release) Options 3, 4, 5 are only available, if a JCL checker Note: is installed, for example SmartJCL

# **Control-M ISPF Dialog**



# **Control-M ISPF Dialog**



# **Control-M Variables**

File	Edit	Confirm	Menu	Utilities	Compilers	Test	Help
EDIT	P390	)P.TEST.CNT	L (SIMJCL	.01) - 01.04			
COMMAN	D ===>						
*****	* * * * * * * *	* * * * * * * * * * *	**** Tc	op of Data ***	****	* * * * * * *	******
000001	//SIMJCI	J01 <mark>ЈОВ</mark> 'НО	RIZONT',	MSGCLASS=T,NC	TIFY=&SYSUID		
000002	//*%OPC	SCAN					
000003	//*****	******	******	*****	<b>*</b> ** Variab	e	*****
000004	//DELETE	E EXEC PGM=	IEFBR14				
000005	//DD1	DD DSN=	P390A.88	GROUP%%NO,D	ISP=SHR		
000006	//*****	* * * * * * * * * * *	******	****	*** Variab	e	*****
000007	//ALLOC	EXEC PGM=	IEFBR14,	COND = (4, 11)			
000008	//DD1	DD DSN=	P390A.88	JOBNAMELIST	'%%NO,		
000009	//	DISP	=(,CATLG	G), SPACE=(CYL,	(2,		
000010	//*****	* * * * * * * * * * *	******	****	*** Variab	le	*****
000011	//WRITEF	R EXEC PGM=	REPORT01	,COND=(4,LT)			
000012	//OUT1	DD DISP	=SHR,DSN	I=P390A.%%JOBN	AMELIST%%NO	1	
000013	//IN1	DD DISP	=SHR,DSN	I=P390A.%%JOBN			_
*****	******	* * * * * * * * * * *	** Botto	om of Data ***	Variabl	e	*****

# **Control-M Variables**

File	Edit	Confirm	Menu	Utilities	Compilers	Test	Help
EDIT COMMANI	P390	P.TEST.CNT	L(SIMJCL	01) - 01.04			
*****	* * * * * * * *	* * * * * * * * * *	**** To	p of Data ***	* * * * * * * * * * * * *	* * * * * * * *	*****
000001	//SIMJCL //*%OPC //******	01 JOB 'HC SCAN *********	PRIZONT',	MSGCLAS m	ust be substitu	ited	* * * * * * *
000004	//DELETE //DD1	EXEC PGM= DD DSN=	IEFBR14 P390A.%%	GROUP	DISP=SHR		
000006	//*****	****	******	*****	*****	******	*****
000007	//ALLOC	EXEC PGM=	IEFBR14,	COND=(4,LT)			
000008	//DDI	DD DSN=	P390A.%%	JOBNAME.LISI	'88NO,		
000009	//	DISP	P = (, CATLG)	),SPACE=(CYL,	(2,5),RLSE),		
. НААА		DIS	P=(,CATL	G), SPACE=(CYI	, (2,5), RLSE)		
==MSG>	JCK0316E	- INVALID	DATA SE	T NAME FORMAI			
000009	//*****	* * * * * * * * * *	* * * * * * * * *	* * * * * * * * * * * * *	*********	* * * * * * * *	******
000010	//WRITER	EXEC PGM	=REPORTO	1, COND=(4, LT)			
.HAAI	//OUT1	DD DIS	P=SHR,DS	N=P390A <b>.%%</b> JOE	BNAME		

#### **Control-M Variables**

File	Edit C	onfirm	Menu	Utilities	Compilers	Test	Help		
EDIT P390P.TEST.CNTL(SIMJCL01) - 01.04									
*****	*****	******	**** To	p of Data ***	********	******	·***		
000001	//SIMJCL01	JOB 'HO	RIZONT',	MSGCLASS=T,NC	in order t	o perform	na		
=NOTE=	SIMJCL01	JOB 'HO	RIZONT',	MSGCLASS=T,NC	correct v	alidation			
000002	//*%OPC SC	AN							
000003	//******	* * * * * * * *	* * * * * * * *	****	****	* * * * * * * * *	******		
000004	//DELETE <mark>E</mark>	XEC PGM=	IEFBR14						
000005	//DD1	DD DSN=	P390A.TE	ST.LIST10,DIS	P AR				
000006	//*******	******	******	*****	*******	*******	******		
000007	//ALLOC E	XEC PGM=	IEFBR14,	COND=(4,LT)					
000008	//DD1	DD DSN=	P390A.SI	MJCL01.LIST10	,				
000009	//	DISP	=(,CATLG	G),SPACE=(CYL,	(2,5),RLSE),				
000010	//*******	******	******	* * * * * * * * * * * * * *	* * * * * * * * * * * * * * *	*******	*****		
000011	//WRITER E	XEC PGM=	REPORT01	,COND=(4,LT)					
000012	//OUT1	DD DISP	=SHR,DSN	=P390A.SIMJCI	01.LIST10				



₽ Sitzung B	_								
<u> </u>	lities <u>C</u> ompilers <u>I</u> est <u>H</u> elp								
Command ===>	Scroll ==:	=> <u>CSR</u>							
Commands: JCK Check member Del Delete all selections LineCmds: S or 1,2,3 Select member B Browse member E Edit member X Delete selection Finish with END or CANcel									
Joblib : SYSH.TXDC.JOBLIB									
Name Prompt Size	Created Changed	ID							
CRIT7       5         CSEDLYD1       13         DB2C       1. MEMBER       35         DB2COB2       2. MEMBER       31         DB2COB2T       34         DB2COMP       3. MEMBER       60         DB2PL11       38         DB2PL12       32         DB2RUNS       311         DCPJ02       11	2006/10/02 2006/10/02 14:19:40 2011/05/26 2011/05/26 16:54:11 2005/09/21 2013/03/17 13:34:17 2004/01/19 2013/03/16 11:35:33 2013/03/13 2013/03/17 13:36:28 2004/01/28 2013/03/17 08:59:26 2004/01/28 2013/03/17 13:35:29 2004/01/28 2013/03/17 13:35:51 2010/07/30 2010/07/30 13:50:06 2012/06/28 2012/06/28 11:52:52 2012/06/28 2012/06/28 11:54:11	P390K P390K P390K P390K P390K P390K P390K P390K P390K P390K P390K P390K							
Select the member and their sequence by entering a number.		04/015							







#### Thanks for your attention! Do you have any questions?



Please feel free to visit us in Munich or send an email to info@horizont-it.com