

User Manual

JOBMAN Version 1.2

Jobcontrol Manipulation
and Handover Tool
February 2018



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2 Datasets

In your personal TSO environment JOBMAN needs all files listed below. To install these files the following definitions in Option 0 are required:

Logfile prefix: USERID.JMAN.LOG

Archive prefix: USERID.JMAN.ARC

Install prefix: USERID.JMAN.V1R2M01

The names will be partly built from specifications made in the installation job – but can be modified at any time.

| Dasetnames | Environment | Description |
|-----------------------------|-------------|----------------------------|
| &INSTPRFX..EXEC | System | JMAN rexx modules |
| &INSTPRFX..ISPMLIB | System | ISPF message library |
| &INSTPRFX..ISPPLIB | System | ISPF panel library |
| &INSTPRFX..ISPSLIB | System | ISPF skeletons |
| &INSTPRFX..KEYS.JCL | System | JCL modification keys |
| &INSTFILE..CHNG.JCL | Workfile | Actual change definitions |
| &INSTFILE..ADDJCL | Workfile | Additional jobcards |
| &INSTFILE..ADDJCL.JOBNAMES | Workfile | Job selection list |
| &INSTFILE..ADDJES | Workfile | Additional JES statements |
| &INSTFILE..ADDLIB | Workfile | Additional DD statements |
| &INSTFILE..ADDSTP | Workfile | Additional steps |
| &INSTFILE..ARC.Dnnnnnn.Tnnn | Archiv | Change definitions archive |
| &INSTFILE..LOG.Dnnnnnn.Tnnn | Logfile | Logging all modifications |
| | | |

3 Jobman

JOBMAN was developed to allow modifications in a copy of each JCL file (you have read access) at any time you want.

Different from our tool REPLICATOR this tool allow to add JCL cards to your jobs. From JOB statements through DD statements up to one or more steps at the end of a job.

```
----- JOBMAN VRR2Mnn -----  
COMMAND ==>>>  
  
Jobcontrol Manipulation  
and Handover Tool  
System ID: ADCD  
Date: 17/03/18  
Time: 13:33  
  
>>>JOBMAN USER JOB MANIPULATION:  
  
    0 Initial Settings  
    1 Jobcontrol Modification  
    2 Add Jobcard(s)  
    3 Add Cards below Jobcard  
    4 Add STEP DDs for a specific Program  
    5 Add one or more last Steps  
    6 ...  
    7 Recover Previous JCL Modifications  
    8 List Modification Logfiles  
    9 List Results and Jobname Table  
  
    S Call SDSF
```

Abb. 1 - JOBMAN primary option menu

+

3.1 JCL Modification

This function processes input and output files as PDS datasets.

All required changes, which should be made inside the JCL can be restricted to particular objects (keywords) inside JCL.

Change Instruction:

```
DSN          <SYA.OPC.PARM>                <OPCX.SYSTEM.PARMLIB>
```

The values specified within <brackets> will be processed, for instance replaced if the condition is true. This is valid also for strings containing blank characters.

Result:

```
//* New Parmlib SYA.OPC.PARM since TWS Release 8.3
//EQQPARM DD DISP=SHR,DSN=OPCX.SYSTEM.PARMLIB
```

This modification will be processed by defining the keyword DSN only for DD EQQPARM – and not in the comment line above.

This technique prevents unintended changes in non-affected parameters and statements!

Using a substring function in form of position and length specifications for that change is another technical feature. A DSN qualifier specification together with a DSN keyword limits the change exactly to this qualifier.

```
----- JOBMAN VRR2Mnn ----- COLUMNS 00001 000
COMMAND ==>>> SCROLL ==>> PAGE
Jobcontrol Manipulation
and Handover Tool
System ID: ADCD
Date: 17/03/18
Time: 13:35

>>>> JOBMAN: JCL MODIFICATIONS

User workf.: USERID.USER.TEST
User output: USERID.USER.TEST.N22
Archive : USERID.JMAN.LOG.D170318.T1335
Edit Job ==> Y
Jobcard ==>> //USERIDL JOB 'REPLICATOR JOB',
==>> // CLASS=A,MSGCLASS=A,NOTIFY=USERID
==>>
==>>

Placeholders % allowed Command KW = JCL Keywords PF6 = Suppressed Panel
Cmd Keyword Old value New value Pos Len Qual
000001 JOBNAME <RX9930> <USERID> 0 0 0
000002 DSN <OPC> <IWS> 0 0 2
000003 COMMENT <OPC> <IWS> 0 0 0
***** ***** Bottom of Data *****
```

Abb. 2 - JCL Modifications

Available Keywords:

| | | | |
|----------|--------|--------|---------|
| GLOBAL | JES | PARM | COMMENT |
| JOBNAME | XMIT | DSN | COMMAND |
| JOBCARD | JCLLIB | DD | |
| ACCOUNT | SET | OUTPUT | |
| PROGNAME | EXEC | DATA | |

3.3 Add Cards below Jobcard

This function inserts JCL cards, JES statements or Comments below a JOB card. The definitions will not be syntax checked and can be freely selected. Also the usage of a jobname list and a logical search comparison is possible here.

```

----- JOBMAN VRR2Mnn ----- COLUMNS 00001 000
COMMAND ==> SCROLL ==> PAGE
Jobcontrol Manipulation
and Handover Tool
System ID: ADCD
Date: 17/03/18
Time: 13:38

>>>> JOBMAN: ADD CARDS(S) BELOW JOBCARDS

OLD Dataset: USERID.USER.TEST
NEW Dataset: USERID.USER.TEST.N22
Jobnamelist: USERID.JMAN.ADDJCL.JOBNAMES
Jobnamelist must be empty to process all members
Edit Job ==> Y
Jobcard ==> //USERIDL JOB 'REPLICATOR JOB',
           ==> //          CLASS=A,MSGCLASS=A,NOTIFY=USERID
           ==>
           ==>

Describe new cards(s) below
If necessary define further selection criteria
Search for.: /*JOBPARM
Logical Op.: NE EQ/NE

Cmd  ----+----1----+----2----+----3----+----4----+----5----+----6----+----7--
***** ***** Top of Data *****
000100 /*JOBPARM S=XNY
000200 /*ROUTE XEQ SYSXNJE
***** ***** Bottom of Data *****

```

Abb. 4 - JOBMAN Add Cards below jobcard

Also in this sample the JES statements will be added, unless a JOBPARM card exists in the JCL.

3.4 Add STEP DDs for a specific Program

This function adds one or more DD statements for a specific program (step).
If a JCL procedure is called, it must be indicated.

```
----- RESMAN VRR2Mnn ----- COLUMNS 00001 000
COMMAND ==>                                SCROLL ==> PAGE
                                           Jobcontrol Manipulation
                                           and Handover Tool
                                           System ID: ADCD
                                           Date: 17/03/18
                                           Time: 13:39

>>>> JOBMAN: ADD A STEP DD

OLD Dataset: USERID.USER.TEST
NEW Dataset: USERID.USER.TEST.N22
Jobnamelist: USERID.JMAN.ADDJCL.JOBNAMES
Jobnamelist must be empty to process all members
Edit Job ==> Y
Jobcard ==> //USERIDL JOB 'REPLICATOR JOB',
           ==> //          CLASS=A,MSGCLASS=A,NOTIFY=USERID
           ==>
           ==>

Add a STEPLIB or any other DD Statements for
Program: ICETOOL
Procedure: N Y/N

Cmd  ----+----1----+----2----+----3----+----4----+----5----+----6----+----7--
***** ***** Top of Data *****
000100 //TOOLMSG DD SYSOUT=*
***** ***** Bottom of Data *****
```

Abb. 5 - JOBMAN Add Cards below Jobcard

3.5 Add one or more last Steps

This function allows to add jobcontrol to the end of an existing job. There is no syntax checking and the user is free to insert everything he wants. The usage of a jobname list and a search argument is also possible here.

```

----- JOBMAN VRR2Mnn ----- COLUMNS 00001 000
COMMAND ==>                               SCROLL ==> PAGE
                                           Jobcontrol Manipulation
                                           and Handover Tool
                                           System ID: ADCD
                                           Date: 17/03/18
                                           Time: 13:42

>>>> JOBMAN: ADD STEPS

OLD Dataset: USERID.USER.TEST
NEW Dataset: USERID.USER.TEST.N22
Jobnamelist: USERID.JMAN.ADDJCL.JOBNAMES
Jobnamelist must be empty to process all members
Edit Job ==> Y
Jobcard ==> //USERIDL JOB 'REPLICATOR JOB',
           ==> //          CLASS=A,MSGCLASS=A,NOTIFY=USERID
           ==>

Add any JCL Steps or other cards to the job as bottom lines
Related to an existing selection criteria
Search for.:
Logical Op.:   EQ/NE

Cmd   -----1-----2-----3-----4-----5-----6-----7--
***** ***** Top of Data *****
000100 //LASTSTEP EXEC PGM=IEFBR77 <<<<<<<<< TEST 17.02.
000200 //LASTDD   DD DUMMY
***** ***** Bottom of Data *****
    
```

Abb. 6 - JOBMAN Add steps

3.6 ...

3.7 Recover Previous JCL Modifications

All processed changes will be archived! The archive files are marked with a time stamp. Selecting one of these files provides all related change definitions

```

JMAN4870 --- JOBMAN VRR2Mnn ----- Row 1 of 5
COMMAND ==>                               Jobcontrol Manipulation
                                           and Handover Tool
                                           System ID: SYSX
                                           Date: 17/01/23
                                           Time: 17:54

Archive Selection
Select one of this previous used modifications
Included values will be loaded into Your profile
Allowed commands:
S Select B Browse E Edit D Delete

Cmd Name
-----
-
  USERID.JMAN.ARC.D170115.T1707
  USERID.JMAN.ARC.D170115.T1714          *** FILE SELECTED/COPIED ***
  USERID.JMAN.ARC.D170116.T1149
  USERID.JMAN.ARC.D170116.T1845
***** ***** Bottom of data *****
    
```

Abb. 7 - JOBMAN Recover old modifications

3.8 List Modification Logfiles

All processed and modified jcl statements are logged for later audits! The logfile names are labeled with a time stamp.

```
USERID.JMAN.LOG.D170116.T1630
USERID.JMAN.LOG.D170116.T1841
USERID.JMAN.LOG.D170116.T1845
```

The log file format:

```
01-08 Message-ID
10-17 Modification time
19-26 Jobname
28-35 Record number of input file
37-44 Sequential change number
46-48 Record type
50- JCL record
```

```
***** TSOUSER.REPL.WORK.UNLJOBS
-----1-----2-----3-----4-----5-----6-----7-----8-----9---
***** USERID.USER.CNTL
REPL001I 18:45:44 INTRDR 00000002 00000001 OLD //RG5130XY JOB (MISA,TXX,T870270),'5743
REPL002I 18:45:44 INTRDR 00000002 00000001 NEW //IBMUSRXY JOB (MISA,TXX,T870270),'5743
REPL001I 18:45:44 INTRDR 00000016 00000001 OLD //RG5130RE JOB (MIVO,AXX,9000),'OPCETT',
REPL002I 18:45:44 INTRDR 00000016 00000002 NEW //IBMUSRRE JOB (MIVO,AXX,9000),'OPCETT',
REPL001I 18:45:44 PRODACCT 00000047 00000001 OLD //RG5130XY JOB (MISA,TXX,T870270),'5743
REPL002I 18:45:44 PRODACCT 00000047 00000003 NEW //IBMUSRXY JOB (MISA,TXX,T870270),'5743
```

3.9 List Results and Jobname Table

A function to list the jobname table (IEBCOPY: S M=*jobname*) and the new created output file. All defined jobnames in the jobname list restricts all selected functions to exactly this members. All other jobs in the input JCL file will not be processed.