

# JCL/JCS Requirements and Examples

This section describes the job control information required to run ADACNV with BS2000, OS/390 or z/OS, VM/ESA or z/VM, and VSE/ESA systems, and shows examples of each of the job streams.

This chapter covers the following topics:

- BS2000
  - OS/390 or z/OS
  - VM/ESA or z/MV
  - VSE/ESA
- 

## BS2000

Dataset	Link Name	Storage	More Information
Associator	DDASSORn	disk	
Data Storage	DDDATARn	disk	
Work	DDWORKR1	disk	
Multiple protection logs	DDPLOGRn	disk	
Intermediate storage	DDFILEA	tape/ disk	see Note
ADARUN parameters	SYSDTA/ DDCARD		<i>Operations</i>
ADACNV parameters	SYSDTA/ DDKARTE		
ADARUN messages	SYSSOUT/ DDPRINT		<i>Messages and Codes</i>
ADACNV messages	SYSLST/ DDRUCK		<i>Messages and Codes</i>

### Note:

The intermediate storage is read an undefined number of times. If this storage is on tape/cassette, it is necessary to use the ADARUN parameter TAPEREL=NO to prevent the tape from being released. Software AG then recommends that you put a tape release command in the job to free the tape/cassette unit when the job has finished. See the example following.

### ADACNV JCL Example (BS2000)

#### With Intermediate Disk File Storage

##### In SDF Format:

```
/ .ADACNV LOGON
/MODIFY-TEST-OPTIONS DUMP=YES
/REMARK *
/REMARK * A D A C N V CONVERT THE DATABASE TO NEW VERSION
/REMARK *
/DELETE-FILE ADAyyyyy.FILEA
```

```

/SET-JOB-STEP
/CREATE-FILE ADAYYYYYY.FILEA,PUB(SPACE=(4800,480))
/SET-JOB-STEP
/ASS-SYSLST L.CNV.DATA
/ASS-SYSDTA *SYSCMD
/SET-FILE-LINK DDLIB,ADAvrs.MOD
/SET-FILE-LINK DDASSOR1,ADAYYYYYY.ASSO,SHARE-UPD=YES
/SET-FILE-LINK DDDATAR1,ADAYYYYYY.DATA,SHARE-UPD=YES
/SET-FILE-LINK DDWORKR1,ADAYYYYYY.WORK,SHARE-UPD=YES
/SET-FILE-LINK DDPLOGR1,ADAYYYYYY.PLOGR1,SHARE-UPD=YES
/SET-FILE-LINK DDPLOGR2,ADAYYYYYY.PLOGR2,SHARE-UPD=YES
/SET-FILE-LINK DDFILEA,ADAYYYYYY.FILEA
/START-PROGRAM *M(ADA.MOD,ADARUN),PR-MO=ANY
ADARUN PROG=ADACNV,DB=YYYYYY,IDLNAME=ADABAS5B
ADACNV CONVERT TOVERS=vr
/LOGOFF SYS-OUTPUT=DEL

```

**In ISP Format:**

```

/.ADACNV LOGON
/OPTION MSG=FH,DUMP=YES
/REMARK *
/REMARK * A D A C N V CONVERT THE DATABASE TO NEW VERSION
/REMARK *
/SYSFILE SYSLST=L.CNV.DATA
/FILE ADA.MOD,LINK=DDLIB
/FILE ADAYYYYYY.ASSO,LINK=DDASSOR1,SHARUPD=YES
/FILE ADAYYYYYY.DATA,LINK=DDDATAR1,SHARUPD=YES
/FILE ADAYYYYYY.WORK,LINK=DDWORKR1,SHARUPD=YES
/FILE ADAYYYYYY.PLOGR1,LINK=DDPLOGR1,SHARUPD=YES
/FILE ADAYYYYYY.PLOGR2,LINK=DDPLOGR2,SHARUPD=YES
/FILE ADAYYYYYY.FILEA,LINK=DDFILEA,SPACE=(4800,480)
/EXEC (ADARUN,ADA.MOD)
ADARUN PROG=ADACNV,DB=YYYYYY,IDLNAME=ADABAS5B
ADACNV CONVERT TOVERS=vr
/LOGOFF NOSPOOL

```

**With Intermediate Tape/Cassette File Storage****In SDF Format:**

```

/.ADACNV LOGON
/MODIFY-TEST-OPTIONS DUMP=YES
/REMARK *
/REMARK * A D A C N V CONVERT THE DATABASE TO NEW VERSION
/REMARK * INTERMEDIATE TAPE/CASSETTE STORAGE
/REMARK *
/DELETE-FILE ADAYYYYYY.FILEA
/SET-JOB-STEP
/CREATE-FILE ADAYYYYYY.FILEA,TAPE(DEV-TYPE=T-C1,VOL=ADA001)
/SET-JOB-STEP
/ASS-SYSLST L.CNV.DATA
/ASS-SYSDTA *SYSCMD
/SET-FILE-LINK DDLIB,ADAvrs.MOD
/SET-FILE-LINK DDASSOR1,ADAYYYYYY.ASSO,SHARE-UPD=YES
/SET-FILE-LINK DDDATAR1,ADAYYYYYY.DATA,SHARE-UPD=YES
/SET-FILE-LINK DDWORKR1,ADAYYYYYY.WORK,SHARE-UPD=YES
/SET-FILE-LINK DDPLOGR1,ADAYYYYYY.PLOGR1,SHARE-UPD=YES
/SET-FILE-LINK DDPLOGR2,ADAYYYYYY.PLOGR2,SHARE-UPD=YES
/SET-FILE-LINK DDFILEA,ADAYYYYYY.FILEA,TAPE(FILE-SEQ=1),OPEN-MODE=OUTIN
/START-PROGRAM *M(ADA.MOD,ADARUN),PR-MO=ANY
ADARUN PROG=ADACNV,DB=YYYYYY,IDLNAME=ADABAS5B,TAPEREL=NO

```

```

ADACNV CONVERT TOVERS=vr
/SET-JOB-STEP
/REMARK * NOW RELEASE THE TAPE
/REM-FILE-LINK DDFILEA,UNL-REL-TAPE=YES
/LOGOFF SYS-OUTPUT=DEL

```

### In ISP Format:

```

/.ADACNV LOGON
/OPTION MSG=FH,DUMP=YES
/REMARK *
/REMARK * A D A C N V CONVERT THE DATABASE TO NEW VERSION
/REMARK * INTERMEDIATE TAPE/CASSETTE STORAGE
/REMARK *
/SYSFILE SYSLST=L.CNV.DATA
/FILE ADA.MOD,LINK=DDLIB
/FILE ADAyyyyy.ASSO,LINK=DDASSOR1,SHARUPD=YES
/FILE ADAyyyyy.DATA,LINK=DDDATAR1,SHARUPD=YES
/FILE ADAyyyyy.WORK,LINK=DDWORKR1,SHARUPD=YES
/FILE ADAyyyyy.PLOGR1,LINK=DDPLOGR1,SHARUPD=YES
/FILE ADAyyyyy.PLOGR2,LINK=DDPLOGR2,SHARUPD=YES
/FILE ADAyyyyy.FILEA,LINK=DDFILEA,DEVICE=T C1,VOLUME=ADA001

/EXEC (ADARUN,ADA.MOD)
ADARUN PROG=ADACNV,DB=yyyyy,DTNAME=ADABAS5B,TAPEREL=NO
ADACNV CONVERT TOVERS=vr
/STEP
/REMARK * NOW RELEASE THE TAPE
/REL DDFILEA,UNLOAD
/LOGOFF NOSPOOL

```

## OS/390 or z/OS

Dataset	DD Name	Storage	More Information
Associator	DDASSORn	disk	
Data Storage	DDDATARn	disk	
Work	DDWORKR1	disk	
Multiple protection logs	DDPLOGRn	disk	
Intermediate storage	DDFILEA	tape/ disk	
ADARUN parameters	DDCARD	reader	<i>Operations</i>
ADACNV parameters	DDKARTE	reader	
ADARUN messages	DDPRINT	printer	<i>Messages and Codes</i>
ADACNV messages	DDDRUCK	printer	<i>Messages and Codes</i>

### ADACNV JCL Example (OS/390 or z/OS)

Refer to ADACNV in the MVSJOBS dataset for this example.

```

//ADACNV      JOB
//*
///*      ADACNV:
//*          EXAMPLE HOW TO USE ADACNV TO CONVERT DATABASE
//*          TO A DIFFERENT VERSION
//*
//CNV        EXEC PGM=ADARUN
//STEPLIB    DD   DISP=SHR,DSN=ADABAS.Vvrs.LOAD      <==== ADABAS LOAD
//*
//DDASSOR1   DD   DISP=SHR,DSN=EXAMPLE.DBYYYYYY.ASSOR1 <==== ASSO
//DDDATAR1   DD   DISP=SHR,DSN=EXAMPLE.DBYYYYYY.DATAR1 <==== DATA
//DDWORKR1   DD   DISP=SHR,DSN=EXAMPLE.DBYYYYYY.WORKR1 <==== WORK
//DPLOGR1    DD   DSN=EXAMPLE.DBYYYYYY.PLOGR1,DISP=SHR <==== PLOG 1
//DPLOGR2    DD   DSN=EXAMPLE.DBYYYYYY.PLOGR2,DISP=SHR <==== PLOG 2

//DDFILEA    DD   DSN=EXAMPLE.DBYYYYYY.FILEA,           <==== INTERMEDIATE FILE
//               UNIT=SYSDA,SPACE=(TRK,(150,150),RLSE),
//               DISP=(NEW,CATLG)
//DDRUCK     DD   SYSOUT=X
//DPRINT     DD   SYSOUT=X
//SYSUDUMP   DD   SYSOUT=X
//DCARD      DD   *
ADARUN PROG=ADACNV,SVC=xxx,DE=dddd,DBID=yyyyy
/*
//DKARTE     DD   *
ADACNV CONVERT TOVERS=vr
/*

```

## VM/ESA or z/MV

Dataset	DD Name	Storage	More Information
Associator	DDASSORn	disk	
Data Storage	DDDATARn	disk	
Work	DDWORKRn	disk	
Multiple protection logs	DPLOGRn	disk	
Intermediate storage	DDFILEA	tape/ disk	
ADARUN parameters	DCARD	disk/ terminal/ reader	<i>Operations</i>
ADACNV parameters	DKARTE	disk/ terminal/ reader	
ADARUN messages	DPRINT	disk/ terminal/ printer	<i>Messages and Codes</i>
ADACNV messages	DDRUCK	disk/ terminal/ printer	<i>Messages and Codes</i>

## ADACNV JCL Example (VM/ESA or z/VM)

```

DATADEF DDDATAR1,DSN=ADABASVv.DATA,VOL=DATAV1
DATADEF DDASSOR1,DSN=ADABASVv.ASSO,VOL=ASSOV1
DATADEF DDWORKR1,DSN=ADABASVv.WORK,VOL=WORKV1
DATADEF DPLOGR1,DSN=ADABASVv.PLOGR1,VOL=PLOGV
DATADEF DPLOGR2,DSN=ADABASVv.PLOGR2,VOL=PLOGV
DATADEF DDFILEA,DSN=ADACNV.FILEA,MODE=A
DATADEF DPRINT,DSN=ADACNV,DDPRINT,MODE=A
DATADEF DUMP,DUMMY

```

```
DATADEF DDDRUCK ,DSN=ADACNV.DDDRUCK ,MODE=A
DATADEF DDCARD ,DSN=RUNCNV.CONTROL ,MODE=A
DATADEF DDKARTE ,DSN=CONVERT.CONTROL ,MODE=A
ADARUN
```

### Contents of RUNCNV CONTROL A1:

```
ADARUN PROG=ADACNV,DEVICE=dddd,DB=YYYYYY
```

### Contents of CONVERT CONTROL A1:

```
ADACNV CONVERT TOVERS=vr
```

## VSE/ESA

File	File Name	Storage	Logical Unit	More Information
Associator	ASSORn	disk	*	
Data Storage	DATARn	disk	*	
Work	WORKRn	disk	*	
Multiple protection logs	PLOGRn	disk	*	
Intermediate storage	FILEA	tape disk	SYS015 *	
ADARUN parameters	- CARD CARD	reader tape disk	SYSRDR SYS000 *	<i>Operations</i>
ADACNV parameters	-	reader	SYSIPT	
ADARUN messages	-	printer	SYSLST	<i>Messages and Codes</i>
ADACNV messages	-	printer	SYS009	<i>Messages and Codes</i>

\* Any programmer logical unit may be used.

### ADACNV JCS Example (VSE/ESA)

See Procedures for VSE/ESA Examples for a description of the VSE procedures.

Refer to member ADACNV.X for this example.

```
* $$ JOB JNM=ADACNV,CLASS=A,DISP=D
* $$ LST CLASS=A,DISP=D
*      CONVERT DATABASE TO NEW VERSION
// JOB ADACNV
// EXEC PROC=ADAVvLIB
// EXEC PROC=ADAVvFIL
// DLBL FILEA,'ADACNV.WORK.FILE',0,SD
```

```
// EXTENT SYS015,,,ssss,nnnn
// ASSGN SYS015,DISK,VOL=vvvvvvv,SHR
// EXEC ADARUN,SIZE=ADARUN
ADARUN DBID=yyyyy,DEVICE=dddd,PROG=ADACNV,SVC=xxx
/*
ADACNV CONVERT TOVERS=vr
/*
/&
* $$ EOJ
```