

# JCL/JCS Requirements and Examples

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

This chapter covers the following topics:

- BS2000
- z/OS
- z/VSE

## BS2000

Data Set	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	SYSOUT/ DDPRINT		<i>Messages and Codes</i>
ADACNV messages	SYSLST/ DDDRUCK		<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 ADAyyyyy.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,ADAYyyyy.ASSO,SHARE-UPD=YES
/SET-FILE-LINK DDDATAR1,ADAYyyyy.DATA,SHARE-UPD=YES
/SET-FILE-LINK DDWORKR1,ADAYyyyy.WORK,SHARE-UPD=YES
/SET-FILE-LINK DDPLOGR1,ADAYyyyy.PLOGR1,SHARE-UPD=YES
/SET-FILE-LINK DDPLOGR2,ADAYyyyy.PLOGR2,SHARE-UPD=YES
/SET-FILE-LINK DDFILEA,ADAYyyyy.FILEA
/START-PROGRAM *M(ADA.MOD,ADARUN),PR-MO=ANY
ADARUN PROG=ADACNV,DB=yyyyyy,IDTNAME=ADABAS5B
ADACNV CONVERT TOVERS=vr
/LOGOFF SYS-OUTPUT=DEL

```

### In ISP Format:

```

/.ADACNV LOGON
/OPTION MSG=FB,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 ADAYyyyy.ASSO,LINK=DDASSOR1,SHARUPD=YES
/FILE ADAYyyyy.DATA,LINK=DDATAR1,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,SPACE=(4800,480)
/EXEC (ADARUN,ADA.MOD)
ADARUN PROG=ADACNV,DB=yyyyyy,IDTNAME=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 ADAYyyyy.FILEA
/SET-JOB-STEP
/CREATE-FILE ADAYyyyy.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,ADAYyyyy.ASSO,SHARE-UPD=YES
/SET-FILE-LINK DDDATAR1,ADAYyyyy.DATA,SHARE-UPD=YES
/SET-FILE-LINK DDWORKR1,ADAYyyyy.WORK,SHARE-UPD=YES
/SET-FILE-LINK DDPLOGR1,ADAYyyyy.PLOGR1,SHARE-UPD=YES
/SET-FILE-LINK DDPLOGR2,ADAYyyyy.PLOGR2,SHARE-UPD=YES
/SET-FILE-LINK DDFILEA,ADAYyyyy.FILEA,TAPE(FILE-SEQ=1),OPEN-MODE=OUTIN
/START-PROGRAM *M(ADA.MOD,ADARUN),PR-MO=ANY
ADARUN PROG=ADACNV,DB=yyyyyy,IDTNAME=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=FB,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,IDTNAME=ADABAS5B,TAPEREL=NO
ADACNV CONVERT TOVERS=vr
/STEP
/REMARK * NOW RELEASE THE TAPE
/REL DDFILEA,UNLOAD
/LOGOFF NOSPOOL

```

## z/OS

Data Set	DD Name	Storage	More Information
Associator	DDASSORn	disk	
Data Storage	DDDATARn	disk	
Work	DDWORKR1 DDWORKR4	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 (z/OS)

Refer to ADACNV in the JOBS data set 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.ADAvrs.LOAD      <=== ADABAS LOAD
//*
//DDASSOR1   DD   DISP=SHR,DSN=EXAMPLE.DByyyyy.ASSOR1 <=== ASSO
//DDDATAR1   DD   DISP=SHR,DSN=EXAMPLE.DByyyyy.DATAR1 <=== DATA
//DDWORKR1   DD   DISP=SHR,DSN=EXAMPLE.DByyyyy.WORKR1 <=== WORK
//DDPLOGR1   DD   DSN=EXAMPLE.DByyyyy.PLOGR1,DISP=SHR <=== PLOG 1
//DDPLOGR2   DD   DSN=EXAMPLE.DByyyyy.PLOGR2,DISP=SHR <=== PLOG 2

//DDFILEA    DD   DSN=EXAMPLE.DByyyyy.FILEA,          <=== INTERMEDIATE FILE
//           UNIT=SYSDA,SPACE=(TRK,(150,150),RLSE),
//           DISP=(NEW,CATLG)
//DDDRUCK    DD   SYSOUT=X
//DDPRINT    DD   SYSOUT=X
//SYSUDUMP   DD   SYSOUT=X
//DDCARD     DD   *
ADARUN PROG=ADACNV,SVC=xxx,DE=dddd,DBID=yyyyy
/*
//DDKARTE    DD   *
ADACNV CONVERT TOVERS=vr
/*

```

## z/VSE

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	SYS010 *	
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 (z/VSE)**

See *Library and File Procedures for z/VSE Examples* for a description of the z/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
```