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		*Operations*
ADACNV parameters	SYSDTA/ DDKARTE		
ADARUN messages	SYSOUT/ DDPRINT		*Messages and Codes*
ADACNV messages	SYSLST/ DDDRUCK		*Messages and Codes*

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 ADAyyyyyy.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,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=yyyyy,IDTNAME=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 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,SPACE=(4800,480)
/EXEC (ADARUN,ADA.MOD)
ADARUN PROG=ADACNV,DB=yyyyy,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=yyyyy,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=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,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	*Operations*
ADACNV parameters	DDKARTE	reader	
ADARUN messages	DDPRINT	printer	*Messages and Codes*
ADACNV messages	DDDRUCK	printer	*Messages and Codes*

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 *	*Operations*
ADACNV parameters	-	reader	SYSIPT	
ADARUN messages	-	printer	SYSLST	*Messages and Codes*
ADACNV messages	-	printer	SYS009	*Messages and Codes*

* 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=vvvvvv,SHR
// EXEC ADARUN,SIZE=ADARUN
ADARUN DBID=yyyyy,DEVICE=dddd,PROG=ADACNV,SVC=xxx
/*
ADACNV CONVERT TOVERS=vr
/*
/&
* $$ EOJ
```