

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/VM
- 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	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 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,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 ADAYyyyyy.ASSO,LINK=DDASSOR1,SHARUPD=YES
/FILE ADAYyyyyy.DATA,LINK=DDATAR1,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,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 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,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
```

OS/390 or z/OS

Dataset	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 (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.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
/*

```

VM/ESA or z/MV

Dataset	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	disk/ terminal/ reader	<i>Operations</i>
ADACNV parameters	DDKARTE	disk/ terminal/ reader	
ADARUN messages	DDPRINT	disk/ terminal/ printer	<i>Messages and Codes</i>
ADACNV messages	DDDRUCK	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 DDPLOGR1,DSN=ADABASVv.PLOGR1,VOL=PLOGV
DATADEF DDPLOGR2,DSN=ADABASVv.PLOGR2,VOL=PLOGV
DATADEF DDFILEA,DSN=ADACNV.FILEA,MODE=A
DATADEF DDPRINT,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=yyyyy
```

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