

# JCL/JCS Requirements and Examples

This section describes the job control information required to run ADACDC with BS2000, z/OS, and z/VSE 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	required to read the GCB and FDT entries
Protection log	DDSIIN/ DDSIINnn	tape/ disk	sequential log (not required when PHASE=2)
Extract file	CDCEXT	tape/ disk	output or input extract file (not required when PHASE=BOTH)
Input transaction file	CDCTXI	tape/ disk	not required when RESETTXF is specified or when PHASE=2
Output transaction file	CDCTXO	tape/ disk	not required when PHASE=2
Primary output file	CDCOUT	tape/ disk	not required when PHASE=1
ADARUN parameters	SYSDTA/ DDCARD	disk/ terminal/ reader	<i>Operations</i>
ADACDC parameters	SYSDTA/ DDKARTE	disk/ terminal/ reader	<i>Utilities</i>
ADARUN messages	DDPRINT	disk/ terminal/ printer	<i>Messages and Codes</i>
ADACDC messages	DDDRUCK	disk/ terminal/ printer	<i>Messages and Codes</i>

## ADACDC JCL Example (BS2000)

```

/.ADACDC LOGON
  /REMA ADACDC: CAPTURE DELTA CHANGES
  /REMA
  /REMA Note: file on CDCTXI should already exist
  /REMA

```

```

/ASS-SYSOUT EXAMPLE.ADACDC.SYSOUT
/MODIFY-TEST-OPTION DUMP=YES
/DELETE-FILE EXAMPLE.OUTPUT.TRANS.FILE
/SET-JOB-STEP
/DELETE-FILE EXAMPLE.OUTPUT.PRIMARY.FILE
/SET-JOB-STEP
/DELETE-FILE EXAMPLE.ADACDC.DRUCK
/SET-JOB-STEP
/DELETE-FILE EXAMPLE.ADACDC.PRINT
/SET-JOB-STEP
/CREATE-FILE EXAMPLE.OUTPUT.TRANS.FILE,PUB(SPACE=(48,48))
/CREATE-FILE EXAMPLE.OUTPUT.PRIMARY.FILE,PUB(SPACE=(48,48))
/CREATE-FILE EXAMPLE.ADACDC.DRUCK,PUB()
/CREATE-FILE EXAMPLE.ADACDC.PRINT,PUB()
/ASS-SYSDTA *SYSCMD
/SET-FILE-LINK DDASSOR1,EXAMPLE.DByyyyy.ASSOR1
/SET-FILE-LINK DDSIIN,EXAMPLE.DByyyyy.PLOG000
/SET-FILE-LINK DDSIIN01,EXAMPLE.DByyyyy.PLOG001
/SET-FILE-LINK DDSIIN02,EXAMPLE.DByyyyy.PLOG002
/SET-FILE-LINK DDSIIN03,EXAMPLE.DByyyyy.PLOG003
/SET-FILE-LINK CDCTXI,EXAMPLE.INPUT.TRANS.FILE
/SET-FILE-LINK CDCTXO,EXAMPLE.OUTPUT.TRANS.FILE,BUFF-LEN=STD(16)
/SET-FILE-LINK CDCOUT,EXAMPLE.OUTPUT.PRIMARY.FILE,BUFF-LEN=STD(16)
/SET-FILE-LINK DDDRUCK,EXAMPLE.ADACDC.DRUCK
/SET-FILE-LINK DDPRINT,EXAMPLE.ADACDC.PRINT
/SET-FILE-LINK DDLIB,$SAG.ADAvrs.MOD
/SET-FILE-LINK BLSLIB00,$TSOS.SORTLIB
/START-PROGRAM *M(ADABAS.ADAvrs.MOD,ADARUN)
ADARUN
PROG=ADACDC,MODE=MULTI,IDTNAME=xxxxxxxx,DEVICE=dddd,DBID=yyyyy
ADACDC PHASE=BOTH,FILE=1,10,20-30
/LOGOFF SYS-OUTPUT=DEL

```

## z/OS

Data Set	DD Name	Storage	More Information
Associator	DDASSORn	disk	required to read the GCB and FDT entries
Protection log	DDSIIN	tape/ disk	sequential log (not required when PHASE=2)
Input transaction file	CDCTXI	tape/ disk	not required when RESETTXF is specified or when PHASE=2
Output transaction file	CDCTXO	tape/ disk	not required when PHASE=2
Extract file	CDCEXT	tape/ disk	output or input extract file (not required when PHASE=BOTH)
Primary output file	CDCOUT	tape/ disk	not required when PHASE=1
ADARUN parameters	DDCARD	reader	<i>Operations</i>
ADACDC parameters	DDKARTE	reader	<i>Utilities</i>
ADARUN messages	DDPRINT	printer	<i>Messages and Codes</i>
ADACDC messages	DDDRUCK	printer	<i>Messages and Codes</i>

## ADACDC JCL Example (z/OS)

Refer to ADACDC in the JOBS data set for this example.

```
//ADACDC    JOB
// *
// *      ADACDC: CAPTURE DELTA CHANGES
// *
//CDC       EXEC PGM=ADARUN
//STEPLIB  DD   DISP=SHR,DSN=ADABAS.ADAvrs.LOAD          <=== ADABAS LOAD
// *
//DDASSOR1 DD   DISP=SHR,DSN=EXAMPLE.DByyyyy.ASSOR1     <=== ASSO
//DDSIIN   DD   DSN=EXAMPLE.DByyyyy.PLOG(-3),DISP=SHR   <== PLOG TAPE
//         DD   DSN=EXAMPLE.DByyyyy.PLOG(-2),DISP=SHR   <== PLOG TAPE
//         DD   DSN=EXAMPLE.DByyyyy.PLOG(-1),DISP=SHR   <== PLOG TAPE
//         DD   DSN=EXAMPLE.DByyyyy.PLOG(0),DISP=SHR    <== PLOG TAPE
//CDCTXI   DD   DSN=EXAMPLE.input.trans.file,DISP=SHR
//CDCTXO   DD   DSN=EXAMPLE.output.trans.file,DISP=OLD
//CDCOUT   DD   DSN=EXAMPLE.output.primary.file,DISP=OLD
//DDDRUCK  DD   SYSOUT=X
//DDPRINT  DD   SYSOUT=X
//SYSUDUMP DD   SYSOUT=X
//DDCARD   DD   *
ADARUN  PROG=ADACDC,MODE=MULTI,SVC=xxx,DEVICE=dddd,DBID=yyyyy
```

```

/*
//DDKARTE DD *
ADACDC PHASE=BOTH,FILE=1,10,20-30
/*

```

## z/VSE

File	Symbolic Name	Storage	Logical Unit	More Information
Associator	ASSORn	disk	*	required to read the GCB and FDT entries
Protection log	SIIN	tape disk	SYS010 *	sequential log (not required when PHASE=2)
Input transaction	CDCTXI	tape disk	SYS015 *	not required when RESETTXF is specified or when PHASE=2
Output transaction	CDCTXO	tape disk	SYS016 *	not required when PHASE=2
Extract	CDCEXT	tape disk	SYS017 *	output or input extract file (not required when PHASE=BOTH)
Primary output	CDCOUT	tape disk	SYS018 *	not required when PHASE=1
ADARUN parameters	- CARD CARD	reader tape disk	SYSRDR SYS000 *	<i>Operations</i>
ADACDC parameters	-	reader	SYSIPT	<i>Utilities</i>
ADARUN messages	-	printer	SYSLST	<i>Messages and Codes</i>
ADACDC messages	-	printer	SYS009	<i>Messages and Codes</i>

\* Any programmer logical unit may be used.

### ADACDC JCS Example (z/VSE)

See Library and File Procedures for z/VSE Examples for descriptions of the z/VSE procedures (PROC).

Refer to member ADACDC.X for this example.

```
* $$ JOB JNM=ADACDC,CLASS=A,DISP=D
* $$ LST CLASS=A,DISP=D
// JOB ADACDC
*       CAPTURE DELTA CHANGES
// EXEC PROC=ADAVvLIB
// EXEC PROC=ADAVvFIL
// ASSGN SYS010,TAPE
// PAUSE MOUNT LOAD INPUT FILE ON TAPE cuu
// TLBL SIIN,'EXAMPLE.DByyy.PLOG'
// MTC REW,SYS010
// DLBL CDCTXI,'EXAMPLE.INPUT.TRANS.FILE',,SD
// EXTENT SYS015
// ASSGN SYS015,DISK,VOL=DISK01,SHR
// DLBL CDCTXO,'EXAMPLE.OUTPUT.TRANS.FILE',,SD
// EXTENT SYS016,,,sssss,nnnnn
// ASSGN SYS016,DISK,VOL=DISK02
// DLBL CDCOUT,'EXAMPLE.OUTPUT.TRANS.FILE',,SD
// EXTENT SYS018,,,sssss,nnnnn
// ASSGN SYS018,DISK,VOL=DISK04
// EXEC ADARUN,SIZE=(ADARUN,128K)
ADARUN DBID=yyyyyy,DEVICE=dddd,PROG=ADACDC,SVC=xxx,MODE=MULTI
/*
ADACDC PHASE=BOTH,FILE=1,10,20-30
/*
/&
* $$ EOJ
```