JCL/JCS Requirements and Examples

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

This chapter covers the following topics:

- BS2000

- z/OS

- z/VM

- 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	*Operations*
ADACDC parameters	SYSDTA/ DDKARTE	disk/ terminal/ reader	*Utilities*
ADARUN messages	DDPRINT	disk/ terminal/ printer	*Messages and Codes*
ADACDC messages	DDDRUCK	disk/ terminal/ printer	*Messages and Codes*

ADACDC JCL Example (BS2000)

```
    /.ADACDC LOGON
    /REMA  ADACDC: CAPTURE DELTA CHANGES
    /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
    /CREATE-FILE EXAMPLE.OUTPUT.TRANS.FILE,PUB(SPACE=(48,48))
    /CREATE-FILE EXAMPLE.OUTPUT.PRIMARY.FILE,PUB(SPACE=(48,48))
    /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
    /SET-FILE-LINK   CDCOUT,EXAMPLE.OUTPUT.PRIMARY.FILE
    /SET-FILE-LINK   DDDRUCK,EXAMPLE.ADACDC.DRUCK
    /SET-FILE-LINK   DDPRINT,EXAMPLE.ADACDC.PRINT
    /SET-FILE-LINK   DDLIB,ADABAS.ADAvrs.MOD
    /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
NOSPOOL
```

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	*Operations*
ADACDC parameters	DDKARTE	reader	*Utilities*
ADARUN messages	DDPRINT	printer	*Messages and Codes*
ADACDC messages	DDDRUCK	printer	*Messages and Codes*

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/VM

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

ADACDC JCL Example (z/VM)

```
/*                                          */
/*        ADACDC JCL Example (z/VM)         */
/*                                          */
DATADEF DDASSOR1,DSN=ADABASVv.ASSO,VOL=ASSOV1
/*                                          */
DATADEF DDSIIN,DSN=ADACDC.PLOG,MODE=A
DATADEF CDCTXI,DSN=ADACDC.INNPUT,MODE=A
DATADEF CDCTXO,DSN=ADACDC.OUTPUT,MODE=A
DATADEF CDCOUT,DSN=ADACDC.PRIMARY,MODE=A
/*                                          */
DATADEF DDPRINT,DSN=ADACDC,DDPRINT,MODE=A
DATADEF DUMP,DUMMY
DATADEF DDDRUCK,DSN=ADACDC.DDDRUCK,MODE=A
/*                                          */
DATADEF DDCARD,DSN=RUNCDC.CONTROL,MODE=A
DATADEF DDKARTE,DSN=ADACDC.CONTROL,MODE=A
```

```
EXECOS ADARUN
RCODE = RC
EXIT RCODE
```

Contents of RUNCDC CONTROL A1:

```
ADARUN PROG=ADACDC,DEVICE=dddd,DB=yyyyy
```

Contents of ADACDC CONTROL A1:

```
ADACDC PHASE=BOTH,FILE=1,10,20-30
```

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

* Any programmer logical unit may be used.

ADACDC JCS Example (VSE)

See Library and File Procedures for VSE Examples for descriptions of the VSE procedures (PROCs).

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=yyyyy,DEVICE=dddd,PROG=ADACDC,SVC=xxx,MODE=MULTI
/*
ADACDC PHASE=BOTH,FILE=1,10,20-30
/*
/&
* $$ EOJ
```