

# JCL/JCS Requirements and Examples

This section describes the job control information required to run ADACDC with BS2000, z/OS or OS/390, z/VM or VM/ESA, and VSE/ESA and shows examples of each of the job streams.

This chapter covers the following topics:

- BS2000
- z/OS or OS/390
- z/VM or VM/ESA
- VSE/ESA

## BS2000

Dataset	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
/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.Vvrs.MOD
/START-PROGRAM *M(ADABAS.Vvrs.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 or OS/390

Dataset	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 or OS/390)

Refer to ADACDC in the MVSJOBS dataset for this example.

```
//ADACDC    JOB
// *
// *      ADACDC: CAPTURE DELTA CHANGES
// *
//CDC       EXEC PGM=ADARUN
//STEPLIB  DD   DISP=SHR,DSN=ADABAS.Vvrs.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 or VM/ESA

Dataset	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	<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/VM or VM/ESA)

```

/*
/*          ADACDC JCL Example (VM/ESA)
/*
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/ESA

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 (VSE/ESA)

See Procedures for VSE/ESA Examples for descriptions of the VSE/ESA 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=yyyyyy,DEVICE=dddd,PROG=ADACDC,SVC=xxx,MODE=MULTI
/*
ADACDC PHASE=BOTH,FILE=1,10,20-30
/*
/&
* $$ EOJ

```