

# ADARES JCL/JCS Requirements and Examples

This section describes the job control information required to run the Delta Save functions of ADARES with BS2000, OS/390, z/OS, z/VM, and VSE/ESA systems, and shows examples of each of the job streams.

**Note:**

When running with the optional Recovery Aid (RLOG), all temporary datasets must also be cataloged in the job control.

This chapter covers the following topics:

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

## BS2000

Dataset	Link Name	Storage	More Information
Associator	DDASSORn	disk	
Delta Save images (DSIM)	DDDSIMR1	disk	required when ADARUN DSF=YES
Sequential protection log (PLOG)	DDSIIN	tape/disk	input log for COPY
Dual/multiple PLOG	DDPLOGRn	disk	input log for PLCOPY
Copied log	DDSIAUS1	tape/disk	output of COPY, CLCOPY, PLCOPY
Extra copied log	DDSIAUS2	tape/disk	required if a copy function is used with TWOCOPIES
Recovery log (RLOG)	DDRLOGR1	disk	required for RLOG function
ADARES parameters	SYSDTA/DDKARTE		
ADARUN parameters	SYSDTA/DDCARD		<i>Adabas Operations</i>
ADARES messages	SYSLST/DDDRUCK		<i>Adabas Messages and Codes</i>
ADARUN messages	SYSOUT/DDPRINT		<i>Adabas Messages and Codes</i>

**Rebuild DSIM Dataset from Sequential Protection Log (ADARES COPY)**

```

/ .COPY                LOGON

/ MOD-JOB-OPTIONS     LISTING=YES

/ MOD-TEST            DUMP=YES

/ ASS-SYSLST          DO.PLCOPY.LST

/ ASS-SYSOUT          DO.PLCOPY.OUT

/ SET-JOB-STEP

/ ASS-SYSDTA          *SYSCMD

/ SET-FILE-LINK       DDASSOR1,
ADABAS.DB010.ASSOR1,SUP=DISK(SHARE-UPD=YES)

/ SET-FILE-LINK       DDDSIMR1, ADABAS.DB010.DSIM
,SUP=DISK(SHARE-UPD=NO)

/ SET-FILE-LINK       DDSIIN  , ADABAS.DB010.PLOG0310

/ SET-FILE-LINK       DDSIAUS1, *DUMMY

/ SET-FILE-LINK       DDLIB   , ADABAS.MOD

/ REMARK

/ START-PROGRAM       FROM-FILE=*MOD(ADABAS.MOD,ADARUN)

ADARUN  PROG=ADARES,DSF=YES...

ADARES COPY ...

ADARES    DSIMSIZE=...

/ ASS-SYSLST          *PRIM

/ ASS-SYSOUT          *PRIM

/ ASS-SYSDTA          *PRIM

/ LOGOFF              SYS-OUTPUT=DEL

```

**Copy Dual/Multiple Protection Log/Build DSIM Dataset (ADARES PLCOPY)**

```

/ .PLCOPY             LOGON

/ MOD-JOB-OPTIONS     LISTING=YES

/ MOD-TEST            DUMP=YES

/ ASS-SYSLST          DO.PLCOPY.LST

/ ASS-SYSOUT          DO.PLCOPY.OUT

/ CREATE-FILE         ADABAS.DB010,PLOG.COPY,

```

```

/          (SPACE=RELA(PRIM-ALLOC=960,SEC-ALLOC=96))

/SET-JOB-STEP

/ASS-SYSDTA      *SYSCMD

/SET-FILE-LINK   DDASSOR1,

ADABAS.DB010.ASSOR1,SUP=DISK(SHARE-UPD=YES)

/SET-FILE-LINK   DDDSIMR1, ADABAS.DB010.DSIM

,SUP=DISK(SHARE-UPD=YES)

/SET-FILE-LINK   DDPLOGR1, ADABAS.DB010.PLOGR1

/SET-FILE-LINK   DDPLOGR2, ADABAS.DB010.PLOGR2

/SET-FILE-LINK   DDSIIN  , ADABAS.DB010.PLOG.COPY,OPEN-MODE=OUTIN,

/          BUFFER-LENGTH=STD(16)

/SET-FILE-LINK   DDLIB   , ADABAS.MOD

/REMARK

/START-PROGRAM   FROM-FILE=*MOD(ADABAS.MOD,ADARUN)

ADARUN  PROG=ADARES,DSF=YES...

ADARES PLCOPY ...

ADARES      DSIMSIZE=...

/ASS-SYSLST      *PRIM

/ASS-SYSOUT      *PRIM

/ASS-SYSDTA      *PRIM

/LOGOFF          SYS-OUTPUT=DEL

```

## OS/390 or z/OS

Dataset	DD Name	Storage	More Information
Associator	DDASSORn	disk	
Delta Save images (DSIM)	DDDSIMR1	disk	required when ADARUN DSF=YES
Sequential protection log (PLOG)	DDSIIN	tape/disk	input log for COPY
Dual/multiple PLOG	DDPLOGRn	disk	input log for PLCOPY
Copied log	DDSIAUS1	tape/disk	output of COPY and PLCOPY
Extra copied log	DDSIAUS2	tape/disk	required if a copy function is used with TWOCOPIES
Recovery log (RLOG)	DDRLOGR1	disk	required for RLOG option
ADARES parameters	DDKARTE		
ADARUN parameters	DDCARD		<i>Adabas Operations</i>
ADARES messages	DDDRUCK		<i>Adabas Messages and Codes</i>
ADARUN messages	DDPRINT		<i>Adabas Messages and Codes</i>

## Rebuild DSIM Dataset from Sequential Protection Log (ADARES COPY)

```
//COPY      EXEC  PGM=ADARUN

//DDASSOR1 DD  DSN=ADABAS.DB010.ASSOR1,DISP=SHR

//DDDSIMR1 DD  DSN=ADABAS.DB010.DSIMR1,DISP=OLD

//DDSIIN   DD  DSN=ADABAS.DB010.PLOG0310,DISP=SHR

//DDSIAUS1 DD  DUMMY

//DDCARD   DD  *

ADARUN PROG=ADARES,DSF=YES,...

//DDKARTE  DD  *

ADARES COPY ...

ADARES     DSIMSIZE=...

//DDPRINT  DD  SYSOUT=*

//DDDRUCK  DD  SYSOUT=*
```

## Copy Dual/Multiple Protection Log/Build DSIM Dataset (ADARES PLCOPY)

```
//PLCOPY EXEC PGM=ADARUN

//DDASSOR1 DD DSN=ADABAS.DB010.ASSOR1,DISP=SHR

//DDPLOGR1 DD DSN=ADABAS.DB010.PLOGR1,DISP=SHR

//DDPLOGR2 DD DSN=ADABAS.DB010.PLOGR2,DISP=SHR

//DDDSIMR1 DD DSN=ADABAS.DB010.DSIMR1,DISP=SHR

//DDSIAUS1 DD DSN=ADABAS.DB010.PLOG1310,DISP=(NEW,CATLG),

// UNIT=CASS,...

//DDCARD DD *

ADARUN PROG=ADARES,DSF=YES,...

//DDKARTE DD *

ADARES PLCOPY ...

ADARES DSIMSIZE=...

//DDPRINT DD SYSOUT=*

//DDDRUCK DD SYSOUT=*
```

## z/VM

Dataset	DD Name	Storage Type	More Information
Associator	DDASSORn	disk	
Delta Save images (DSIM)	DDDSIMR1	disk	required when ADARUN DSF=YES
Sequential protection log (PLOG)	DDSIIN	tape/disk	input log for COPY
Dual/multiple PLOG	DDPLOGRn	disk	input log for PLCOPY
Copied log	DDSIAUS1	tape/disk	output of COPY and PLCOPY
Extra copied log	DDSIAUS2	tape/disk	required if a copy function is used with TWOCOPIES
Recovery log (RLOG)	DDRLOGR1	disk	required for RLOG option
ADARES parameters	DDKARTE	disk/ terminal/ reader	
ADARUN parameters	DDCARD	disk/ terminal/ reader	<i>Adabas Operations</i>
ADARES messages	DDDRUCK	disk/ terminal/ printer	<i>Adabas Messages and Codes</i>
ADARUN messages	DDPRINT	disk/ terminal/ printer	<i>Adabas Messages and Codes</i>

## Rebuild DSIM Dataset from Sequential Protection Log (ADARES COPY)

DATADEF DDASSOR1 , DSN=ADABASVv . ASSO , VOL=ASSOV1

DATADEF DDDSIMR1 , DSN=ADABASVv . DSIM , VOL=DSIM

DATADEF DDSIIN , DSN=ADABASVv . SIBA , MODE=A

DATADEF DDSIAUS1 , DSN=ADABASVv . SIAUS1 , UNIT=181 , VOL=SIBA01

DATADEF DDPRINT , DSN=ADARES . DDPRINT , MODE=A

DATADEF DDDRUCK , DSN=ADARES . DDDRUCK , MODE=A

DATADEF DDCARD , DSN=RUNRES . CONTROL , MODE=A

DATADEF DDKARTE , DSN=ADARES . CONTROL , MODE=A

ADARUN

Contents of RUNRES CONTROL A1:

ADARUN PROG=ADARES , DSF=YES . . .

Contents of ADARES CONTROL A1:

```
ADARES COPY ...
```

```
ADARES          DSIMSIZE=...
```

## Copy Dual/Multiple Protection Log/Build DSIM Dataset (ADARES PLCOPY)

```
DATADEF DDASSOR1,DSN=ADABASVv.ASSO,VOL=ASSOV1
DATADEF DDPLOGR1,DSN=ADABASVv.PLOGR1,VOL=PLOGR1
DATADEF DDPLOGR2,DSN=ADABASVv.PLOGR2,VOL=PLOGR2
DATADEF DDDSIMR1,DSN=ADABASVv.DSIM,VOL=DSIM
DATADEF DDSIAUS1,DSN=ADABASVv.SIAUS1,UNIT=181,VOL=SIBA01
DATADEF DDPRINT,DSN=ADARES.DDPRINT,MODE=A
DATADEF DDDRUCK,DSN=ADARES.DDDRUCK,MODE=A
DATADEF DDCARD,DSN=RUNRES.CONTROL,MODE=A
DATADEF DDKARTE,DSN=ADARES.CONTROL,MODE=A
ADARUN
```

### Contents of RUNRES CONTROL A1:

```
ADARUN PROG=ADARES,DSF=YES...
```

### Contents of ADARES CONTROL A1:

```
ADARES PLCOPY ...
```

```
ADARES          DSIMSIZE=...
```

## VSE/ESA

Dataset	Symbolic	Storage	Logical Unit	More Information
Associator	ASSORn	disk		see note
Delta Save images (DSIM)	DSIMR1	disk		required when ADARUN DSF=YES
Sequential protection log (PLOG)	SIIN	tape/disk		input log for COPY
Dual/multiple PLOG	PLOGRn	disk	*	input log for PLCOPY
Copied log	SIAUS1	tape disk	SYS021 *	output of COPY and PLCOPY
Extra copied log	SIAUS2	tape disk	SYS022 *	required if a copy function is used with TWOCOPIES
Recovery log (RLOG)	RLOGR1	disk		required for RLOG option
ADARES parameters		reader	SYSIPT	
ADARUN parameters	- CARD CARD	reader tape disk	SYSRDR SYS000 *	<i>Adabas Operations</i>
ADARES messages		printer	SYS009	<i>Adabas Messages and Codes</i>
ADARUN messages		printer	SYSLST	<i>Adabas Messages and Codes</i>

\* Any programmer logical unit can be used.

See the VSE/ESA-related job information in section Adabas Utility Functions for Delta Save .

## Rebuild DSIM Dataset from Sequential Protection Log (ADARES COPY)

```
// EXEC PROC=ADAVvFIL
// EXEC PROC=ADAVvLIB
// EXEC ADARUN,SIZE=ADARUN
ADARUN PROG=ADARES,DSF=YES,...
/*
ADARES COPY
ADARES DSIMSIZE=...
/*
```



## Copy Dual/Multiple Protection Log/Build DSIM Dataset (ADARES PLCOPY)

```
// EXEC PROC=ADAVvFIL  
  
// EXEC PROC=ADAVvLIB  
  
// EXEC ADARUN,SIZE=ADARUN  
  
ADARUN PROG=ADARES,DSF=YES, . . .  
  
/*  
  
ADARES PLCOPY  
  
ADARES DSIMSIZE= . . .  
  
/*
```