

# ADARES JCL/JCS Requirements and Examples

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

**Note:**

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

This chapter covers the following topics:

- BS2000/OSD
- z/OS
- z/VM
- VSE/ESA and z/VSE

## BS2000/OSD

| Data Set                         | 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 Data Set 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 Data Set (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

```

**z/OS**

| Data Set                         | 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 Data Set 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 Data Set (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

| Data Set                         | 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 Data Set 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 Data Set (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 and z/VSE

| Data Set                         | 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<br>disk           | SYS021<br>*           | output of COPY and PLCOPY                          |
| Extra copied log                 | SIAUS2            | tape<br>disk           | SYS022<br>*           | required if a copy function is used with TWOCOPIES |
| Recovery log (RLOG)              | RLOGR1            | disk                   |                       | required for RLOG option                           |
| ADARES parameters                |                   | reader                 | SYSIPT                |  |
| ADARUN parameters                | -<br>CARD<br>CARD | reader<br>tape<br>disk | SYSRDR<br>SYS000<br>* | <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 Data Set 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 Data Set (ADARES PLCOPY)

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