

ADAULD JCL/JCS Requirements and Examples

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

This chapter covers the following topics:

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

BS2000

Dataset	Link Name	Storage	More Information
Unloaded data	DDOUT1	tape/disk	Output by ADAULD (see note)
Unloaded data	DDOUT2	tape/disk	Output by ADAULD (see note)
Unloaded ISNs	DDISN	tape/disk	Required with DDISN
Full save tape	DDFULL	tape/disk	Required for full save tapes
Delta save tape(s)	DDDEL1 - DDDEL8	tape/disk	Required for delta save tape(s)
Delta Save images	DDDSIMR1	disk	Required for DSIM dataset
Recovery log (RLOG)	DDRLOGR1	disk	Required for ADARAI
ADARUN parameters	SYSDTA/DDCARD		<i>Adabas Operations</i>
ADAULD parameters	SYSDTA/DDKARTE		
ADARUN messages	SYSOUT/DDPRINT		<i>Adabas Messages and Codes</i>
ADAULD messages	SYSLST/DDDRUCK		<i>Adabas Messages and Codes</i>

Note:

DDOUT1 and DDOUT2 must have the same block size; otherwise, an ADAULD error will occur. DDOUT2 is required only if NUMOUT=2 is specified.

BS2000 Examples

```

/.ADAULD LOGON

/OPTION MSG=FB,DUMP=YES

/REMARK *

/REMARK *   A D A U L D   SAVETAPE FUNCTION

```

```

/REMARK *

/SYSFILE SYSLST=L.ULD

/FILE ADA.MOD ,LINK=DDLIB

/FILE ADA99.OUT1 ,LINK=DDOUT1 ,SPACE=(480,48)

/FILE ADA99.FULL ,LINK=DDFULL

/FILE ADA99.DEL1 ,LINK=DDDEL1

/FILE ADA99.DEL2 ,LINK=DDDEL2

/EXEC (ADARUN,ADA.MOD)

ADARUN PROG=ADAULD,DB=99,DSF=YES

ADAULD FILE=1,SAVETAPE,PATTERN=FDD

/LOGOFF NOSPOOL
    
```

OS/390 or z/OS

Dataset	DD Name	Storage	More Information
Unloaded data	DDOUT1	tape/disk	Output by ADAULD (see note)
Unloaded data	DDOUT2	tape/disk	Output by ADAULD (see note)
Unloaded ISNs	DDISN	tape/disk	Required with DDISN
Full save tape	DDFULL	tape/disk	Required for full save tape
Delta save tape(s)	DDDEL1- DDDEL8	tape/disk	Required for delta save tape(s)
Delta Save images	DDDSIMR1	disk	Required for DSIM dataset
Recovery log (RLOG)	DDRLOGR1	disk	Required for ADARAI
ADAULD messages	DDDRUCK	printer	<i>Adabas Messages and Codes</i>
ADARUN messages	DDPRINT	printer	<i>Adabas Messages and Codes</i>
ADARUN parameters	DDCARD	reader	<i>Adabas Operations</i>
ADAULD parameters	DDKARTE	reader	

Note:

DDOUT1 and DDOUT2 must have the same block size; otherwise, an ADAULD error will occur. DDOUT2 is required only if NUMOUT=2 is specified.

OS/390 or z/OS Example

```
//ULD          EXEC PGM=ADARUN

//STEPLIB     DD   DISP=SHR,DSN=ADABAS.Vvrs.LOADLIB

//*

//DDOUT1      DD   DISP=(,KEEP),DSN=EXAMPLE.ADA99.OUT1,
//              UNIT=SYSDA,VOL=SER=DISK01,SPACE=(TRK,200,RLSE)

//DDFULL      DD   DISP=SHR,DSN=EXAMPLE.ADA99.FULLSAVE

//DDDEL1      DD   DISP=SHR,DSN=EXAMPLE.ADA99.DELTA1

//DDDEL2      DD   DISP=SHR,DSN=EXAMPLE.ADA99.DELTA2

//SYSUDUMP    DD   SYSOUT=A

//DDDRUCK     DD   SYSOUT=A

//DDPRINT     DD   SYSOUT=A

//DDCARD      DD   *

ADARUN  PROG=ADAULD,SVC=249,DEVICE=3380,DB=99,DSF=YES

//DDKARTE     DD   *

ADAULD  FILE=1,SAVETAPE,PATTERN=FDD
```

z/VM

Dataset	DD Name	Storage	More Information
Unloaded data	DDOUT1	tape/disk	Output by ADAULD (see note)
Unloaded data	DDOUT2	tape/disk	Output by ADAULD (see note)
Unloaded ISNs	DDISN	tape/disk	Required with DDISN
Full save tape	DDFULL	tape/disk	Required for full save tape
Delta save tape(s)	DDDEL1- DDDEL8	tape/disk	Required for delta save tape(s)
Delta Save images	DDDSIMR1	disk	Required for DSIM dataset
Recovery log (RLOG)	DDRLOGR1	disk	Required for ADARAI
ADAULD messages	DDDRUCK	disk/ terminal/ printer	<i>Adabas Messages and Codes</i>
ADARUN messages	DDPRINT	disk/ terminal/ printer	<i>Adabas Messages and Codes</i>
ADARUN parameters	DDCARD	disk/ terminal/ reader	<i>Adabas Operations</i>
ADAULD parameters	SYSIPT	disk/ terminal/ reader	

Note:

DDOUT1 and DDOUT2 must have the same block size; otherwise, an ADAULD error will occur. DDOUT2 is required only if NUMOUT=2 is specified.

z/VM Example

```

DATADEF DDOUT1 , DSN=ADABASVv.ULD1 , UNIT=181 , VOL=ULDF1

DATADEF DDFULL , DSN=ADABASVv.ULD1 , UNIT=181 , VOL=ULDF1

DATADEF DDDEL1 , DSN=ADABASVv.ULD1 , UNIT=181 , VOL=ULDF1

DATADEF DDDEL2 , DSN=ADABASVv.ULD1 , UNIT=181 , VOL=ULDF1

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

DATADEF DUMP , DUMMY

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

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

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

ADARUN

```

Contents of RUNULD CONTROL A1:

```
ADARUN  PROG=ADAULD,DEVICE=3380,DB=111,DSF=YES
```

Contents of ADAULD CONTROL A1 *

```
ADAULD  FILE=1,SAVETAPE,PATTERN=FDD
```

VSE/ESA

File	Symbolic Name	Storage	Logical Unit	More Information
Unloaded data	OUT1	tape disk	SYS010 see note 1	Output by ADAULD (see note 2)
Unloaded data	OUT2	tape disk	SYS011 see note 1	Output by ADAULD (see note 2)
Unloaded ISNs	ISN	tape disk	SYS012 see note 1	Required with DDISN
Full save tape	FULL	tape disk	SYS030 see note 1	Required for full save tape
Delta save tape(s)	DEL1- DEL8	tape disk	SYS031- SYS038 see note 1	Required for delta save tape(s)
Delta Save images	DSIMR1	disk	see note 1	Required for DSIM dataset
Recovery log (RLOG)	RLOGR1	disk	see note 1	Required for ADARAI
Messages	SYSLST	printer		<i>Adabas Messages and Codes</i>
ADARUN parameters	SYSRDR CARD	reader/ tape/disk		<i>Adabas Operations</i>
ADAULD parameters	SYSIPT	reader		

Notes:

1. Any programmer logical unit can be used.
2. OUT1 and OUT2 must have the same block size; otherwise, an ADAULD error will occur. OUT2 is required only if NUMOUT=2 is specified.

VSE/ESA Example

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

```
// EXEC PROC=ADAVvFIL
// EXEC PROC=ADAVvLIB
// ASSGN SYS004,DISK,VOL=DISK01,SHR
// DLBL OUT1,'EXAMPLE.ADA99.OUT1'
// EXTENT SYS004,DISK01,,,770,200
// ASSGN SYS030,TAPE
// TLBL FULL,'EXAMPLE.ADA199.FULL'
// ASSGN SYS031,TAPE
// TLBL DEL1,'EXAMPLE.ADA99.DEL1'
// ASSGN SYS032,TAPE
// TLBL DEL2,'EXAMPLE.ADA99.DEL2'
// EXEC PROC=ADAVLIBS
// EXEC ADARUN,SIZE=ADARUN
ADARUN PROG=ADAULD,SVC=xxx,DEVICE=dddd,DB=yyyy,DSF=YES
/*
ADAULD FILE=1,SAVETAPE,PATTERN=FDD
/*
```