ADAULD JCL/JCS Requirements and Examples

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

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
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 data set
Recovery log (RLOG)	DDRLOGR1	disk	Required for ADARAI
ADARUN parameters	SYSDTA/DDCARD		*Adabas Operations*
ADAULD parameters	SYSDTA/DDKARTE		
ADARUN messages	SYSOUT/DDPRINT		*Adabas Messages and Codes*
ADAULD messages	SYSLST/DDDRUCK		*Adabas Messages and Codes*

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/OSD Examples

```
/.ADAULD LOGON

/OPTION MSG=FH,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
```

z/OS

Data Set	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 data set
Recovery log (RLOG)	DDRLOGR1	disk	Required for ADARAI
ADAULD messages	DDDRUCK	printer	*Adabas Messages and Codes*
ADARUN messages	DDPRINT	printer	*Adabas Messages and Codes*
ADARUN parameters	DDCARD	reader	*Adabas Operations*
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.

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=3390,DB=99,DSF=YES
//DDKARTE   DD   *
ADAULD    FILE=1,SAVETAPE,PATTERN=FDD
```

z/VM

Data Set	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 data set
Recovery log (RLOG)	DDRLOGR1	disk	Required for ADARAI
ADAULD messages	DDDRUCK	disk/ terminal/ printer	*Adabas Messages and Codes*
ADARUN messages	DDPRINT	disk/ terminal/ printer	*Adabas Messages and Codes*
ADARUN parameters	DDCARD	disk/ terminal/ reader	*Adabas Operations*
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=3390,DB=111,DSF=YES
```

Contents of ADAULD CONTROL A1 *

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

VSE/ESA and z/VSE

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 data set
Recovery log (RLOG)	RLOGR1	disk	see note 1	Required for ADARAI
Messages	SYSLST	printer		*Adabas Messages and Codes*
ADARUN parameters	SYSRDR CARD	reader/ tape/disk		*Adabas Operations*
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 and z/VSE 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.ADAl99.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
/*
```