

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 | | <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/OSD 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

```

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 | <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.

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 | <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=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 | | <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 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.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  
/*
```