

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

| 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/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

| 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.

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

| 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=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 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 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
/*
```