JCL/JCS Requirements and Examples

This section describes the job control information required to run ADAWRK on z/OS systems and shows examples of z/OS job streams.

This chapter covers the following topics:

- z/OS

- z/VSE

- BS2000

z/OS

Data Set	DD Name	Storage	More Information
Associator	DDASSOR*n*	disk	Not required if the NOPPT parameter is specified
Work	DDWORKR*n*	disk	Multiple work data sets must be provided for a cluster nucleus
ADARUN parameters	DDCARD	reader	*Operations*
ADAWRK parameters	DDKARTE	reader	
ADARUN messages	DDPRINT	printer	*Messages and Codes*
ADAWRK messages	DDDRUCK	printer	*Messages and Codes*

ADAWRK JCL Examples (z/OS)

The following example produces a Summary report. Refer to member ADAWRKJ in the JOBS data set for this example.

```
//ADAWRK     JOB
//*
//*   ADAWRK: ALL FUNCTIONS
//*
//WRK       EXEC  PGM=ADARUN
//STEPLIB   DD    DISP=SHR,DSN=ADABAS.ADAvrs.LOAD       <=== ADABAS LOAD
//*
//DDASSOR1  DD    DISP=SHR,DSN=EXAMPLE.DByyyyy.ASSOR1 <=== ASSO
//DDWORKR1  DD    DISP=SHR,DSN=EXAMPLE.DByyyyy.WORKR1 <=== WORK
//DDDRUCK   DD    SYSOUT=X
//DDPRINT   DD    SYSOUT=X
//SYSUDUMP  DD    SYSOUT=X
//DDCARD    DD    *
ADARUN PROG=ADAWRK,MODE=MULTI,SVC=xxx,DEVICE=dddd,DBID=yyyyy
```

```
/*
//DDKARTE   DD    *
ADAWRK     SUMMARY=YES
/*
```

The following example will produce a Summary and Transaction report. The Transaction report will provide a full report of all of the transactions that are on the Work data sets provided. Refer to member ADAWRKT in the JOBS data set for this example.

```
//ADAWRK    JOB
//*
//*   ADAWRK: PRINT ALL RELEVANT TRANSACTIONS ON WORK
//*
//WRK       EXEC  PGM=ADARUN
//STEPLIB   DD    DISP=SHR,DSN=ADABAS.ADAvrs.LOAD      <=== ADABAS LOAD
//*
//DDASSOR1  DD    DISP=SHR,DSN=EXAMPLE.DByyyyy.ASSOR1 <=== ASSO
//DDWORKR1  DD    DISP=SHR,DSN=EXAMPLE.DByyyyy.WORKR1 <=== WORK
//DDDRUCK   DD    SYSOUT=X
//DDPRINT   DD    SYSOUT=X
//SYSUDUMP  DD    SYSOUT=X
//DDCARD    DD    *
ADARUN PROG=ADAWRK,MODE=MULTI,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
//DDKARTE   DD    *
ADAWRK     TRANSACTIONS=FULL
/*
```

The following example produces a Summary, Transaction, and File report, including a full report of all transactions that are on the Work data sets. However only Work data set records for files 1, 2, 3, 4, 5, and 10 will be processed and reported by the utility. In addition, note the absence of an Associator data set in the sample JCL -- this is due to the NOPPT parameter which specifies that no PPT should be used for the run, and therefore no Associator data set is required.

```
//ADAWRK    JOB
//*
//*   ADAWRK: PRINT ALL RELEVANT TRANSACTIONS ON WORK
//*
//WRK       EXEC  PGM=ADARUN
//STEPLIB   DD    DISP=SHR,DSN=ADABAS.ADAvrs.LOAD      <=== ADABAS LOAD
//*
//DDWORKR1  DD    DISP=SHR,DSN=EXAMPLE.DByyyyy.WORKR1 <=== WORK
//DDDRUCK   DD    SYSOUT=X
//DDPRINT   DD    SYSOUT=X
//SYSUDUMP  DD    SYSOUT=X
//DDCARD    DD    *
ADARUN PROG=ADAWRK,MODE=MULTI,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
//DDKARTE   DD    *
 ADAWRK NOPPT
 ADAWRK FORCE=YES
 ADAWRK FILES=1-4,5,10
 ADAWRK TRANSACTIONS=FULL
 ADAWRK REPORTFILE=YES
/*
```

z/VSE

File	Symbolic Name	Storage	Logical Unit	More Information
Associator	ASSOR *n*	disk	*	Not required if the NOPPT parameter is specified
Work	WORKR*n*	disk	*	Multiple work data sets must be provided for a cluster nucleus
ADARUN parameters		reader tape disk	SYSRDR SYS000 *	*Operations*
ADAWRK parameters		reader	SYSIPT	
ADARUN messages		printer	SYSLST	*Messages and Codes*
ADAWRK messages		printer	SYS009	*Messages and Codes*

* Any programmer logical unit may be used.

ADAWRK JCL Examples (z/VSE)

The following example produces a Summary report. Refer to member ADAWRKJ.X for this example.

```
* $$ JOB JNM=ADAWRKJ,CLASS=A,DISP=D
* $$ LST CLASS=A,DISP=D
// JOB ADAWRKJ     EXECUTE THE ADABAS UTILITY ***WRK***
// OPTION LOG,PARTDUMP
*
* ****************************************************************
*       SAMPLE JOB STREAM TO USE THE ADABAS UTILITY ADAWRK
*       PRINT SUMMARY REPORT
* ****************************************************************
// EXEC PROC=ADAVVLIB                                      <======
// EXEC PROC=ADAVVFIL                                      <======
*
* ****************************************************************
*     DON'T FORGET TO CUSTOMIZE PARAMETERS OF ADABAS UTILITY
* ****************************************************************
// EXEC ADARUN,SIZE=ADARUN
ADARUN PROG=ADAWRK,MODE=MULTI,SVC=xxx,DEVICE=dddd,DBID=yyyyy   <======
/*
ADAWRK     SUMMARY=YES                                    <======
/*
/&
* $$ EOJ
```

The following example will produce a full Transaction report. The Transaction report will provide a full report of all of the transactions that are on the Work data sets provided. Refer to member ADAWRKT.X for this example.

```
* $$ JOB JNM=ADAWRKT,CLASS=A,DISP=D
* $$ LST CLASS=A,DISP=D
// JOB ADAWRKT     EXECUTE THE ADABAS UTILITY ***WRK***
// OPTION LOG,PARTDUMP
*
* ****************************************************************
*       SAMPLE JOB STREAM TO USE THE ADABAS UTILITY ADAWRK
*       PRINT ALL RELEVANT TRANSACTIONS ON WORK
* ****************************************************************
// EXEC PROC=ADAVVLIB                                     <======
// EXEC PROC=ADAVVFIL                                     <======
*
* ****************************************************************
*     DON'T FORGET TO CUSTOMIZE PARAMETERS OF ADABAS UTILITY
* ****************************************************************
// EXEC ADARUN,SIZE=ADARUN
ADARUN PROG=ADAWRK,MODE=MULTI,SVC=xxx,DEVICE=dddd,DBID=yyyyy   <======
/*
ADAWRK    TRANSACTIONS=FULL                                <======
/*
/&
* $$ EOJ
```

BS2000

Data Set	Link Name	Storage	More Information
Associator	DDASSORn	disk	
Work	DDWORKR1 DDWORKR4	disk	
ADARUN parameters	SYSDTA/ DDCARD		*Operations*
ADALOD parameters	SYSDTA/ DDKARTE		
ADARUN messages	SYSOUT/ DDPRINT		ADALOD report, see also *Messages and Codes*
ADALOD messages	SYSLST/ DDDRUCK		*Messages and Codes*

ADAWRK JCL Examples (BS2000)

```
/BEGIN-PROC C
/MOD-TEST DUMP=YES
/REMARK *
/REMARK *     ADAWRK: ALL FUNCTIONS
/REMARK *
/ASS-SYSLST L.WRKJ
/ASS-SYSDTA *SYSCMD
/SET-FILE-LINK   DDLIB,ADABAS.MOD
/SET-FILE-LINK    DDASSOR1,ADA99.ASSO
/SET-FILE-LINK    DDWORKR1,ADA99.WORK
/START-PROG *M(E=ADARUN,L=ADABAS.MOD),RUN-MODE=ADV(A-L=YES)
ADARUN PROG=ADAWRK,DB=99,MODE=MULTI
ADAWRK    SUMMARY=YES
/ASS-SYSDTA *PRIM
/ASS-SYSLST *PRIM
/END-PROC
```