

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
- VSE
- z/VM
- 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	<i>Operations</i>
ADAWRK parameters	DDKARTE	reader	
ADARUN messages	DDPRINT	printer	<i>Messages and Codes</i>
ADAWRK messages	DDDRUCK	printer	<i>Messages and Codes</i>

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.DByyyyyy.ASSOR1 <=== ASSO
//DDWORKR1 DD DISP=SHR,DSN=EXAMPLE.DByyyyyy.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.DByyyyyy.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
/*
```

VSE

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

* Any programmer logical unit may be used.

ADAWRK JCL Examples (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
    
```

z/VM

File	Symbolic Name	Storage	More Information
Associator	DDASSOR <i>n</i>	disk	Not required if the NOPPT parameter is specified
Work	DDWORKR <i>n</i>	disk	
ADARUN parameters	DDCARD	disk/ terminal/ reader	<i>Operations</i>
ADAWRK parameters	DDKARTE	disk/ terminal/ reader	
ADARUN messages	DDPRINT	disk/ terminal/ printer	<i>Messages and Codes</i>
ADAWRK messages	DDDRUCK	disk/ terminal/ printer	<i>Messages and Codes</i>

ADAWRK JCL Examples (z/VM)

The following example produces an ADAWRK Summary report. Refer to member ADAWRK supplied on the distribution tape for this example.

```

DATADEF DDASSOR1 , DSN=ADABASVv . ASSO , VOL=ASSOV1
DATADEF DDWORKR1 , DSN=ADABASVv . WORK , VOL=WORKV1
DATADEF DDPRINT , DSN=ADAWRK . DDPRINT , MODE=A
DATADEF DUMP , DUMMY

```

```

DATADEF DDDRUCK , DSN=ADAWRK . DDDRUCK , MODE=A
DATADEF DDCARD , DSN=RUNWRK . CONTROL , MODE=A
DATADEF DDKARTE , DSN=ADAWRK . CONTROL , MODE=A
ADARUN

```

Based on this sample JCL, the ADARUN parameters used for the Summary report are stored in the RUNWRK.CONTROL data set (DDCARD symbolic name). Refer to member RUNWRK supplied on the distribution tape for an example:

```
ADARUN  PROG=ADAWRK , DEVICE=ddd , DBID=yyyyy
```

Based on this sample JCL, the ADAWRK parameters used for the Summary report are stored in the ADAWRK.CONTROL data set (DDKARTE symbolic name). Refer to member WRKSUMM on the distribution tape for an example:

```
ADAWRK  SUMMARY=YES
```

Refer to member WRKTRNS on the distribution tape for an example of the ADAWRK parameters used for a Transaction report.

BS2000

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

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
```