

# JCL/JCS Requirements and Examples

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

## Note:

When running with the optional Recovery Aid (RLOG), all temporary data sets must also be cataloged in the job control.

This chapter covers the following topics:

- BS2000
- z/OS
- z/VSE

## BS2000

| Data Set                 | Link Name            | Storage | More Information          |
|--------------------------|----------------------|---------|---------------------------|
| Associator               | DDASSORn             | disk    | data sets to be formatted |
| Data Storage             | DDDATARn             |         |                           |
| Work                     | DDWORKR1<br>DDWORKR4 |         |                           |
| Temp                     | DDTEMPR1             |         |                           |
| Sort                     | DDSORTRn             |         |                           |
| Multiple command logs    | DDCLOGRn             |         |                           |
| Multiple protection logs | DDPLOGRn             |         |                           |
| Recovery log             | DDRLOGR1             |         |                           |
| ADARUN parameters        | SYSDTA/ DDCARD       |         | <i>Operations</i>         |
| ADAFRM parameters        | SYSDTA/ DDKARTE      |         |                           |
| ADARUN messages          | SYSOUT/ DDPRINT      |         | <i>Messages and Codes</i> |
| ADAFRM messages          | SYSLST/ DDDRUCK      |         | <i>Messages and Codes</i> |

## ADAFRM JCL Example (BS2000)

### In SDF Format:

```

/ .ADAFRM LOGON
/MODIFY-TEST-OPTIONS DUMP=YES
/REMARK *
/REMARK * A D A F R M ALL FUNCTIONS
/REMARK *

```

```

/ASS-SYSLST L.FRM
/ASS-SYSDTA *SYSCMD
/SET-FILE-LINK DDLIB,ADAvrs.MOD
/SET-FILE-LINK DDASSOR1,ADAYyyyy.ASSO,OPEN-MODE=OUTIN
/SET-FILE-LINK DDDATAR1,ADAYyyyy.DATA,OPEN-MODE=OUTIN
/SET-FILE-LINK DDWORKR1,ADAYyyyy.WORK,OPEN-MODE=OUTIN
/SET-FILE-LINK DDTEMPR1,ADAYyyyy.TEMP,OPEN-MODE=OUTIN
/SET-FILE-LINK DDSORTR1,ADAYyyyy.SORT,OPEN-MODE=OUTIN
/SET-FILE-LINK DDPLOGR1,ADAYyyyy.PLOGR1,OPEN-MODE=OUTIN
/SET-FILE-LINK DDPLOGR2,ADAYyyyy.PLOGR2,OPEN-MODE=OUTIN
/SET-FILE-LINK DDRLOGR1,ADAYyyyy.RLOGR1,OPEN-MODE=OUTIN
/START-PROGRAM *M(ADA.MOD,ADARUN),PR-MO=ANY ADARUN PROG=ADAFRM,DB=yyyyyy, IDTNAME=ADABAS5B
ADAFRM ASSOFRM SIZE=100
ADAFRM DATAFRM SIZE=200
ADAFRM WORKFRM SIZE=40
ADAFRM SORTFRM SIZE=25
ADAFRM TEMPFRM SIZE=10
ADAFRM PLOGFRM SIZE=40,NUMBER=1
ADAFRM PLOGFRM SIZE=40,NUMBER=2
ADAFRM RLOGFRM SIZE=10
/LOGOFF SYS-OUTPUT=DEL

```

### In ISP Format:

```

/.ADAFRM LOGON
/OPTION MSG=FB,DUMP=YES
/REMARK *
/REMARK * A D A F R M ALL FUNCTIONS
/REMARK *
/SYSFILE SYSLST=L.FRM
/FILE ADA.MOD,LINK=DDLIB
/FILE ADAYyyyy.ASSO ,LINK=DDASSOR1,OPEN=OUTIN
/FILE ADAYyyyy.DATA ,LINK=DDDATAR1,OPEN=OUTIN
/FILE ADAYyyyy.WORK ,LINK=DDWORKR1,OPEN=OUTIN
/FILE ADAYyyyy.TEMP ,LINK=DDTEMPR1,OPEN=OUTIN
/FILE ADAYyyyy.SORT ,LINK=DDSORTR1,OPEN=OUTIN
/FILE ADAYyyyy.PLOGR1,LINK=DDPLOGR1,OPEN=OUTIN
/FILE ADAYyyyy.PLOGR2,LINK=DDPLOGR2,OPEN=OUTIN
/FILE ADAYyyyy.RLOGR1,LINK=DDRLOGR1,OPEN=OUTIN
/EXEC (ADARUN,ADA.MOD)
ADARUN PROG=ADAFRM,DB=yyyyyy, IDTNAME=ADABAS5B
ADAFRM ASSOFRM SIZE=100
ADAFRM DATAFRM SIZE=200
ADAFRM WORKFRM SIZE=40

ADAFRM SORTFRM SIZE=25
ADAFRM TEMPFRM SIZE=10
ADAFRM PLOGFRM SIZE=40,NUMBER=1
ADAFRM PLOGFRM SIZE=40,NUMBER=2
ADAFRM RLOGFRM SIZE=10
/LOGOFF NOSPOOL

```

## z/OS

| Data Set                 | DD Name              | Storage | More Information          |
|--------------------------|----------------------|---------|---------------------------|
| Associator               | DDASSORn             | disk    | data sets to be formatted |
| Data Storage             | DDDATARn             |         |                           |
| Work                     | DDWORKR1<br>DDWORKR4 |         |                           |
| Temp                     | DDTEMPR1             |         |                           |
| Sort                     | DDSORTRn             |         |                           |
| Multiple command logs    | DDCLOGRn             |         |                           |
| Multiple protection logs | DDPLOGRn             |         |                           |
| Recovery log             | DDRLOGR1             |         |                           |
| ADARUN parameters        | DDCARD               | reader  | <i>Operations</i>         |
| ADAFRM parameters        | DDKARTE              | disk    |                           |
| ADARUN messages          | DDPRINT              | printer | <i>Messages and Codes</i> |
| ADAFRM messages          | DDDRUCK              | printer | <i>Messages and Codes</i> |

## ADAFRM JCL Example (z/OS)

Refer to ADAFRM in the JOBS data set for this example.

```
//ADAFRM    JOB
//*
//*      ALLOCATE AND FORMAT THE DATABASE COMPONENTS
//*
//*      MORE THAN ONE DATA SET CAN BE FORMATTED IN A SINGLE RUN
//*
//*

//FRM      EXEC PGM=ADARUN
//STEPLIB  DD  DISP=SHR,DSN=ADABAS.ADAvrS.LOAD                <=== ADABAS LOAD
//*
//DDASSOR1 DD  DISP=(NEW,CATLG),DSN=EXAMPLE.DByyyyy.ASSOR1, <=== ASSO
//          SPACE=(CYL,(0,100)),UNIT=DISK,VOL=SER=VOL001
//DDDATAR1 DD  DISP=(NEW,CATLG),DSN=EXAMPLE.DByyyyy.DATAR1, <=== DATA
//          SPACE=(CYL,(0,200)),UNIT=DISK,VOL=SER=VOL002
//DDWORKR1 DD  DISP=(NEW,CATLG),DSN=EXAMPLE.DByyyyy.WORKR1, <=== WORK
//          SPACE=(CYL,(0,40)),UNIT=DISK,VOL=SER=VOL003
//DDSORTR1 DD  DISP=(NEW,CATLG),DSN=EXAMPLE.DByyyyy.SORTR1, <=== SORT
//          SPACE=(CYL,(0,100)),UNIT=DISK,VOL=SER=VOL003
//DDTEMPR1 DD  DISP=(NEW,CATLG),DSN=EXAMPLE.DByyyyy.TEMPR1, <=== TEMP
//          SPACE=(CYL,(0,100)),UNIT=DISK,VOL=SER=VOL003
//DDPLOGR1 DD  DISP=(NEW,CATLG),DSN=EXAMPLE.DByyyyy.PLOGR1, <=== PLOG1
//          SPACE=(CYL,(50)),UNIT=DISK,VOL=SER=VOL003
//DDPLOGR2 DD  DISP=(NEW,CATLG),DSN=EXAMPLE.DByyyyy.PLOGR2, <=== PLOG2
//          SPACE=(CYL,(50)),UNIT=DISK,VOL=SER=VOL003
//DDCLOGR1 DD  DISP=(NEW,CATLG),DSN=EXAMPLE.DByyyyy.CLOGR1, <=== CLOG1
//          SPACE=(CYL,(50)),UNIT=DISK,VOL=SER=VOL003
//DDCLOGR2 DD  DISP=(NEW,CATLG),DSN=EXAMPLE.DByyyyy.CLOGR2, <=== CLOG2
//          SPACE=(CYL,(50)),UNIT=DISK,VOL=SER=VOL003
//DDDRUCK  DD  SYSOUT=X
```

```
//DDPRINT DD SYSOUT=X
//SYSUDUMP DD SYSOUT=X
//DDCARD DD *
ADARUN PROG=ADAFRM,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
//DDKARTE DD *
ADAFRM ASSOFRM SIZE=100,DEVICE=dddd
ADAFRM DATAFRM SIZE=200,DEVICE=dddd
ADAFRM WORKFRM SIZE=40,DEVICE=dddd
ADAFRM SORTFRM SIZE=100,DEVICE=dddd
ADAFRM TEMPFRM SIZE=100,DEVICE=dddd
ADAFRM PLOGFRM SIZE=50,NUMBER=1,DEVICE=dddd
ADAFRM PLOGFRM SIZE=50,NUMBER=2,DEVICE=dddd
ADAFRM CLOGFRM SIZE=50,NUMBER=1,DEVICE=dddd
ADAFRM CLOGFRM SIZE=50,NUMBER=2,DEVICE=dddd
/*
```

## z/VSE

| File                    | Symbolic Name     | Storage                | Logical Unit          | More Information          |
|-------------------------|-------------------|------------------------|-----------------------|---------------------------|
| Associator              | ASSORn            | disk                   | *                     | files to be formatted     |
| Data Storage            | DATARn            |                        |                       |                           |
| Work                    | WORKR1            |                        |                       |                           |
| Temp                    | TEMPR1            |                        |                       |                           |
| Sort                    | SORTR1            |                        |                       |                           |
| Multiple command log    | CLOGRn            |                        |                       |                           |
| Multiple protection log | PLOGRn            |                        |                       |                           |
| Recovery log            | RLOGR1            |                        |                       |                           |
| ADARUN parameters       | -<br>CARD<br>CARD | reader<br>tape<br>disk | SYSRDR<br>SYS000<br>* |                           |
| ADAFRM parameters       | -                 | reader                 | SYSIPT                |                           |
| ADARUN messages         | -                 | printer                | SYSLST                | <i>Messages and Codes</i> |
| ADAFRM messages         | -                 | printer                | SYS009                | <i>Messages and Codes</i> |

\* Any programmer logical unit may be used.

## ADAFRM JCS Example (z/VSE)

See *Library and File Procedures for z/VSE Examples* for descriptions of the z/VSE procedures (PROCs).

Refer to member ADAFRM.X for this example.

```
* $$ JOB JNM=ADAFRM,CLASS=A,DISP=D
* $$ LST CLASS=A,DISP=D
// JOB ADAFRM
*       FORMAT THE DATABASE COMPONENTS
?/ EXEC PROC=ADAVvLIB
// EXEC PROC=ADAVvFIL
// EXEC ADARUN,SIZE=ADARUN
ADARUN  PROG=ADAFRM,MODE=SINGLE,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
ADAFRM ASSOFRM SIZE=100,DEVICE=dddd
ADAFRM DATAFRM SIZE=200,DEVICE=dddd
ADAFRM WORKFRM SIZE=40,DEVICE=dddd
ADAFRM SORTFRM SIZE=100,DEVICE=dddd
ADAFRM TEMPFRM SIZE=100,DEVICE=dddd
ADAFRM PLOGFRM SIZE=50,NUMBER=1,DEVICE=dddd
ADAFRM PLOGFRM SIZE=50,NUMBER=2,DEVICE=dddd
ADAFRM CLOGFRM SIZE=50,NUMBER=1,DEVICE=dddd
ADAFRM CLOGFRM SIZE=50,NUMBER=2,DEVICE=dddd
/*
/&
* $$ EOJ
```