

# JCL/JCS Requirements and Examples

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

This chapter covers the following topics:

- BS2000
- z/OS
- z/VSE

## BS2000

Data Set	Link Name	Storage	More Information
Associator	DDASSORn	disk	
Data Storage	DDDATARn	disk	
Work	DDWORKR1 DDWORKR4	disk	
ADARUN parameters	SYSDTA/ DDCARD		<i>Operations</i>
ADADEF parameters	SYSDTA/ DDKARTE		<i>Utilities</i>
ADARUN messages	SYSOUT/ DDPRINT		<i>Messages and Codes</i>
ADADEF messages	SYSLST/ DDDRUCK		<i>Messages and Codes</i>

## ADADEF JCL Examples (BS2000)

### Define Database

#### In SDF Format:

```

/ . ADADEF LOGON
/ MODIFY-TEST-OPTIONS DUMP=YES
/ REMARK *
/ REMARK * A D A D E F DEFINE DATABASE
/ REMARK *
/ ASS-SYSLST L.DEF.DATA
/ ASS-SYSDTA *SYSCMD
/ SET-FILE-LINK DDLIB, ADAvrs.MOD
/ SET-FILE-LINK DDASSOR1, ADAyyyyy.ASSO
/ SET-FILE-LINK DDDATAR1, ADAyyyyy.DATA
/ SET-FILE-LINK DDWORKR1, ADAyyyyy.WORK
/ START-PROGRAM *M(ADA.MOD, ADARUN), PR-MO=ANY
ADARUN PROG=ADADEF, DB=yyyyy, IDTNAME=ADABAS5B
ADADEF DEFINE DBNAME=EXAMPLE-DB
ADADEF ASSOSIZE=100, DATASIZE=200, WORKSIZE=40
ADADEF MAXFILES=120

```

```

ADADEF FILE=1,CHECKPOINT
ADADEF NAME= CHECKPOINT ,MAXISN=5000,UISIZE=10B
ADADEF DSSIZE=500B,NISIZE=100B
/LOGOFF SYS-OUTPUT=DEL

```

### In ISP Format:

```

/. ADADEF LOGON
/OPTION MSG=FB,DUMP=YES
/REMARK *
/REMARK * A D A D E F DEFINE DATABASE
/REMARK *
/SYSFILE SYSLST=L.DEF.DEFI
/FILE ADA.MOD,LINK=DDLIB
/FILE ADAyyyyy.ASSO ,LINK=DDASSOR1
/FILE ADAyyyyy.DATA ,LINK=DDDATAR1
/FILE ADAyyyyy.WORK ,LINK=DDWORKR1
/EXEC (ADARUN,ADA.MOD)
ADARUN PROG=ADADEF,DB=yyyyy, IDTNAME=ADABAS5B
ADADEF DEFINE DBNAME=EXAMPLE-DB
ADADEF ASSOSIZE=100,DATASIZE=200,WORKSIZE=40
ADADEF MAXFILES=120
ADADEF FILE=1,CHECKPOINT
ADADEF NAME= CHECKPOINT ,MAXISN=5000,UISIZE=10B
ADADEF DSSIZE=500B,NISIZE=100B
/LOGOFF NOSPOOL

```

## z/OS

Data Set	DD Name	Storage	More Information
Associator	DDASSORn	disk	
Data Storage	DDDATARn	disk	
Work (Current)	DDWORKR1 DDWORKR4	disk	
ADARUN parameters	DDCARD	reader	<i>Operations</i>
ADADEF parameters	DDKARTE	reader	
ADARUN messages	DDPRINT	printer	<i>Messages and Codes</i>
ADADEF messages	DDDRUCK	printer	<i>Messages and Codes</i>

## ADADEF JCL Examples (z/OS)

### Define Database

```

//ADADEF JOB
//*
//* ADADEF:
//* DEFINE THE PHYSICAL LAYOUT OF THE DATABASE
//* DEFINE THE NUCLEUS SYSTEM FILE: CHECKPOINT FILE
//*
//DEF EXEC PGM=ADARUN
//STEPLIB DD DISP=SHR,DSN=ADABAS.ADAvrS.LOAD <=== ADABAS LOAD
//*
//DDASSOR1 DD DISP=SHR,DSN=EXAMPLE.DByyyyy.ASSOR1 <=== ASSO

```

```
//DDDATAR1 DD DISP=SHR,DSN=EXAMPLE.DByyyyy.DATAR1 <=== DATA
//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=ADADEF,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
//DDKARTE DD *
ADADEF DEFINE DBNAME=EXAMPLE-DB,DBIDENT=YYYYY
ADADEF ASSOSIZE=100,DATASIZE=200,WORKSIZE=40
ADADEF MAXFILES=120
*

ADADEF FILE=19,CHECKPOINT
ADADEF NAME='CHECKPOINT',MAXISN=5000
ADADEF DSSIZE=100B,NISIZE=3B,UISIZE=3B
/*
```

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

## Define New Work

```
//ADADEFNW JOB
/*
/* ADADEF: DEFINE NEW WORK
/*
//DEF EXEC PGM=ADARUN
//STEPLIB DD DISP=SHR,DSN=ADABAS.ADAvrs.LOAD <=== ADABAS LOAD
/*
//DDASSOR1 DD DISP=SHR,DSN=EXAMPLE.DByyyyy.ASSOR1 <=== ASSO
//DDDATAR1 DD DISP=SHR,DSN=EXAMPLE.DByyyyy.DATAR1 <=== DATA
//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=ADADEF,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
//DDKARTE DD *
ADADEF NEWWORK WORKSIZE=60,WORKDEV=eeee
/*
```

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

## z/VSE

File	Symbolic Name	Storage	Logical Unit	More Information
Associator	ASSORn	disk	*	
Data Storage	DATARn	disk	*	
Work (Current)	WORKR1	disk	*	
ADARUN parameters	- CARD CARD	reader tape disk	SYSRDR SYS000 *	
ADADEF parameters	-	reader	SYSIPT	
ADARUN messages	-	printer	SYSLST	
ADADEF messages	-	printer	SYS009	<i>Messages and Codes</i>

\* Any programmer logical unit may be used.

## ADADEF JCS Examples (z/VSE)

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

### Define Database

Refer to member ADADEF.X for this example.

```
* $$ JOB JNM=ADADEF,CLASS=A,DISP=D
* $$ LST CLASS=A,DISP=D
// JOB ADADEF
*       DEFINE THE PHYSICAL LAYOUT OF THE DATABASE
*       DEFINE THE NUCLEUS SYSTEMFILE: CHECKPOINT FILE
// EXEC PROC=ADAVvLIB
// EXEC PROC=ADAVvFIL
// EXEC ADARUN,SIZE=ADARUN
ADARUN PROG=ADADEF,MODE=SINGLE,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
ADADEF DEFINE DBNAME=EXAMPLE-DB,DBIDENT=yyyyy
ADADEF     ASSOSIZE=100,DATASIZE=200,WORKSIZE=40
ADADEF     MAXFILES=120
*

ADADEF FILE=19,CHECKPOINT
ADADEF   NAME='CHECKPOINT',MAXISN=5000
ADADEF   DSSIZE=100B,NISIZE=3B,UISIZE=3B
/*
/&
* $$ EOJ
```

## Define New Work

Refer to member ADADEFNW.X for this example.

```
* $$ JOB JNM=ADADEFNW,CLASS=A,DISP=D
* $$ LST CLASS=A,DISP=D
// JOB ADADEFNW
*          DEFINE NEW WORK
// EXEC PROC=ADAVvLIB
// EXEC PROC=ADAVvFIL
// EXEC ADARUN,SIZE=ADARUN
ADARUN PROG=ADADEF,MODE=SINGLE,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
ADADEF NEWWORK WORKSIZE=60,WORKDEV=eeee
/*
/&
* $$ EOJ
```