

JCL/JCS Requirements and Examples

This section describes the job control information required to run ADADEF with BS2000, OS/390 or z/OS, VM/ESA or z/VM, and VSE/ESA systems and shows examples of each of the job streams.

This chapter covers the following topics:

- BS2000
- OS/390 or z/OS
- VM/ESA or z/VM
- VSE/ESA

BS2000

Dataset	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

```

OS/390 or z/OS

Dataset	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 (OS/390 or z/OS)

Define Database

```

//ADADEF JOB
//*
//* ADADEF:
//* DEFINE THE PHYSICAL LAYOUT OF THE DATABASE
//* DEFINE THE NUCLEUS SYSTEMFILE: CHECKPOINT FILE
//*
//DEF EXEC PGM=ADARUN
//STEPLIB DD DISP=SHR,DSN=ADABAS.Vvrs.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 MVSJOBS dataset for this example.

Define New Work

```
//ADADEFNW JOB
/*
/* ADADEF: DEFINE NEW WORK
/*
//DEF EXEC PGM=ADARUN
//STEPLIB DD DISP=SHR,DSN=ADABAS.Vvrs.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 MVSJOBS dataset for this example.

VM/ESA or z/VM

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

ADADEF JCL Examples (VM/ESA or z/VM)

Define Database

```

DATADEF DDASSOR1 , DSN=ADABASVv . ASSO , VOL=ASSOV1
DATADEF DDDATAR1 , DSN=ADABASVv . ASSO , VOL=DATAV1
DATADEF DDWORKR1 , DSN=ADABASVv . WORK , VOL=WORKV1
DATADEF DDPRINT , DSN=ADADEF . DDPRINT , MODE=A
DATADEF DUMP , DUMMY

```

```

DATADEF DDDRUCK , DSN=ADADEF . DDDRUCK , MODE=A
DATADEF DDCARD , DSN=RUNDEF . CONTROL , MODE=A
DATADEF DDKARTE , DSN=ADADEF . CONTROL , MODE=A
ADARUN

```

Contents of RUNDEF CONTROL A1:

```
ADARUN PROG=ADADEF , DEVICE=dddd , DB=yyyyy
```

Contents of ADADEF CONTROL A1:

```

ADADEF DEFINE DBNAME=EXAMPLE-DB
ADADEF ASSOSIZE=100 , DATASIZE=200 , WORKSIZE=40
ADADEF MAXFILE=120
*

```

```

ADADEF FILE=1 , CHECKPOINT
ADADEF NAME='CHECKPOINT' , MAXISN=5000 , UISIZE=10B
ADADEF DSSIZE=500B , NISIZE=100B

```

Define New Work

```

DATADEF DDASSOR1 , DSN=ADABASVv . ASSO , VOL=ASSOV1
DATADEF DDDATAR1 , DSN=ADABASVv . ASSO , VOL=DATAV1
DATADEF DDWORKR1 , DSN=ADABASVv . WORK , VOL=WORKV1
DATADEF DDPRINT , DSN=ADADEF . DDPRINT , MODE=A
DATADEF DUMP , DUMMY

```

```

DATADEF DDDRUCK , DSN=ADADEF . DDDRUCK , MODE=A
DATADEF DDCARD , DSN=RUNDEF . CONTROL , MODE=A
DATADEF DDKARTE , DSN=ADADEF . CONTROL , MODE=A
ADARUN

```

Contents of RUNDEF CONTROL A1:

```
ADARUN  PROG=ADADEF ,DEVICE=dddd ,DB=yyyyy
```

Contents of ADADEF CONTROL A1:

```
ADADEF  NEWWORK  WORKSIZE=60 ,WORKDEV=eeee
```

VSE/ESA

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 (VSE/ESA)

See Procedures for VSE/ESA Examples for descriptions of the 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
```