

# JCL/JCS Requirements and Examples

This section describes the job control information required to run ADAPLP 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	Required for WORKPRI.
Work	DDWORKR1 DDWORKR4	disk	Required for WORKPRI.
Sequential protection log	DDPLOG	tape/ disk	Required for SPLOGPRI or IPLOGPRI.
Multiple protection log	DDPLOGR1	disk	Required for PLOGPRI if NUMBER=1 (the default).
Multiple protection log	DDPLOGRn	disk	Required for PLOGPRI if NUMBER=n.
ADARUN parameters	SYSDTA/ DDCARD		<i>Operations</i>
ADAPLP parameters	SYSDTA/ DDKARTE		
ADARUN messages	SYSOUT DDPRINT		<i>Messages and Codes</i>
ADAPLP messages	SYSLST DDDRUCK		<i>Messages and Codes</i>

### ADAPLP JCL Examples (BS2000)

#### Print Sequential Protection Log

In SDF Format:

```

/.ADAPLP LOGON
/MODIFY-TEST-OPTIONS DUMP=YES
/REMARK *
/REMARK * A D A P L P PRINT SEQUENTIAL PROTECTION LOG
/REMARK *
/ASS-SYSLST L.PLP.SPLO
/ASS-SYSDTA *SYSCMD
/SET-FILE-LINK DDLIB,ADAvrs.MOD
/SET-FILE-LINK DDPLOG,ADAYyyyy.PLOG
/START-PROGRAM *M(ADA.MOD,ADARUN),PR-MO=ANY
ADARUN PROG=ADAPLP,DB=yyyyyy,IDTNAME=ADABAS5B
ADAPLP SPLOGPRI PRINT
/LOGOFF SYS-OUTPUT=DEL

```

#### In ISP Format:

```

/.ADAPLP LOGON
/OPTION MSG=FH,DUMP=YES
/REMARK *
/REMARK * A D A P L P PRINT SEQUENTIAL PROTECTION LOG
/REMARK *
/SYSFILE SYSLST=L.PLP.SPLO
/FILE ADA.MOD,LINK=DDLIB
/FILE ADAYyyyy.PLOG,LINK=DDPLOG
/EXEC (ADARUN,ADA.MOD)
ADARUN PROG=ADAPLP,DB=yyyyyy,IDTNAME=ADABAS5B
ADAPLP SPLOGPRI PRINT
/LOGOFF NOSPOOL

```

### Print Sequential Intermediate Protection Log

#### In SDF Format:

```

/.ADAPLP LOGON
/MODIFY-TEST-OPTIONS DUMP=YES
/REMARK *
/REMARK * A D A P L P PRINT SEQUENTIAL PROTECTION LOG
/REMARK *
/ASS-SYSLST L.PLP.SPLO
/ASS-SYSDTA *SYSCMD
/SET-FILE-LINK DDLIB,ADAvrs.MOD
/SET-FILE-LINK DDPLOG,ADAYyyyy.PLOG
/START-PROGRAM *M(ADA.MOD,ADARUN),PR-MO=ANY
ADARUN PROG=ADAPLP,DB=yyyyyy,IDTNAME=ADABAS5B
ADAPLP IPLOGPRI PRINT
/LOGOFF SYS-OUTPUT=DEL

```

#### In ISP Format:

```

/.ADAPLP LOGON
/OPTION MSG=FH,DUMP=YES
/REMARK *
/REMARK * A D A P L P PRINT SEQUENTIAL PROTECTION LOG
/REMARK *
/SYSFILE SYSLST=L.PLP.SPLO
/FILE ADA.MOD,LINK=DDLIB
/FILE ADAYyyyy.PLOG,LINK=DDPLOG
/EXEC (ADARUN,ADA.MOD)
ADARUN PROG=ADAPLP,DB=yyyyyy,IDTNAME=ADABAS5B
ADAPLP IPLOGPRI PRINT
/LOGOFF NOSPOOL

```

## Print One of Multiple Protection Log Datasets

### In SDF Format:

```

/.ADAPLP LOGON
/MODIFY-TEST-OPTIONS DUMP=YES
/REMARK *
/REMARK * A D A P L P PRINT MULTIPLE PROTECTION LOG
/REMARK *
/ASS-SYSLST L.PLP.PLOG
/ASS-SYSDTA *SYSCMD
/SET-FILE-LINK DDLIB,ADAvrs.MOD
/SET-FILE-LINK DDPLOGR1,ADAYyyyy.PLOG
/START-PROGRAM *M(ADA.MOD,ADARUN),PR-MO=ANY
ADARUN PROG=ADAPLP,DB=yyyyyy,IDTNAME=ADABAS5B
ADAPLP PLOGPRI PRINT
/LOGOFF SYS-OUTPUT=DEL

```

### In ISP Format:

```

/.ADAPLP LOGON
/OPTION MSG=FH,DUMP=YES
/REMARK *
/REMARK * A D A P L P PRINT MULTIPLE PROTECTION LOG
/REMARK *
/SYSFILE SYSLST=L.PLP.PLOG
/FILE ADA.MOD,LINK=DDLIB
/FILE ADAYyyyy.PLOG,LINK=DDPLOGR1
/EXEC (ADARUN,ADA.MOD)
ADARUN PROG=ADAPLP,DB=yyyyyy,IDTNAME=ADABAS5B
ADAPLP PLOGPRI PRINT
/LOGOFF NOSPOOL

```

## Print Work

### In SDF Format:

```

/.ADAPLP LOGON
/MODIFY-TEST-OPTIONS DUMP=YES
/REMARK *
/REMARK * A D A P L P PRINT ADABAS WORK
/REMARK *
/ASS-SYSLST L.PLP.WORK
/ASS-SYSDTA *SYSCMD
/SET-FILE-LINK DDLIB,ADAvrs.MOD
/SET-FILE-LINK DDASSOR1,ADAYyyyy.ASSO,SHARE-UPD=YES
/SET-FILE-LINK DDWORKR1,ADAYyyyy.WORK,SHARE-UPD=YES
/START-PROGRAM *M(ADA.MOD,ADARUN),PR-MO=ANY
ADARUN PROG=ADAPLP,DB=yyyyyy,IDTNAME=ADABAS5B
ADAPLP WORKPRI PRINT,TYPE=ASSO
/LOGOFF SYS-OUTPUT=DEL

```

### In ISP Format:

```

/.ADAPLP LOGON
/OPTION MSG=FH,DUMP=YES
/REMARK *
/REMARK * A D A P L P PRINT ADABAS WORK
/REMARK *
/SYSFILE SYSLST=L.PLP.WORK
/FILE ADA.MOD,LINK=DDLIB

```

```

/FILE ADAYyyyyy.ASSO ,LINK=DDASSOR1,SHARUPD=YES
/FILE ADAYyyyyy.WORK ,LINK=DDWORKR1,SHARUPD=YES
/EXEC (ADARUN,ADA.MOD)
ADARUN PROG=ADAPLP,DB=yyyyyy, IDTNAME=ADABAS5B
ADAPLP WORKPRI PRINT,TYPE=ASSO
/LOGOFF NOSPOOL

```

## OS/390 or z/OS

Dataset	DD Name	Storage	More Information
Associator	DDASSORn	disk	Required for WORKPRI.
Work	DDWORKR1 DDWORKR4	disk	Required for WORKPRI.
Sequential protection log	DDPLOG	tape/ disk	Required for SPLOGPRI or IPLOGPRI.
Multiple protection log	DDPLOGR1	disk	Required for PLOGPRI if NUMBER=1 (the default).
Multiple protection log	DDPLOGRn	disk	Required for PLOGPRI if NUMBER=n.
ADAPLP messages	DDDRUCK	printer	<i>Messages and Codes</i>
ADARUN messages	DDPRINT	printer	<i>Messages and Codes</i>
ADARUN parameters	DDCARD	reader	<i>Operations</i>
ADAPLP parameters	DDKARTE	reader	

### ADAPLP JCL Examples (OS/390 or z/OS)

Refer to the MVSJOBS dataset for the following example jobs:

Job Member	Description
ADAPLP	Print protection log (from multiple dataset PLOG)
ADAPLPS	Print protection log (from sequential PLOG)
ADAPLPW	Print Adabas Work

These jobs are listed in the following sections.

## Print One of Multiple Protection Log Datasets

```
//ADAPLP      JOB
//*
//*  ADAPLP: PROTECTION LOG PRINT (FROM MULTIPLE PLOG)
//*
//PLP          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
//DDPLOGR1    DD  DISP=SHR,DSN=EXAMPLE.DByyyyy.PLOGR1 <=== PLOG
DATASET
//DDDRUCK     DD  SYSOUT=X
//DDPRINT     DD  SYSOUT=X
//SYSUDUMP    DD  SYSOUT=X
//DDCARD      DD  *
ADARUN PROG=ADAPLP,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
//DDKARTE     DD  *
ADAPLP PLOGPRI
/*
```

## Print Sequential Protection Log

```
//ADAPLPS     JOB
//*
//*  ADAPLP: PROTECTION LOG PRINT (FROM SEQUENTIAL PLOG)
//*
//PLP          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
//DDPLOG      DD  DISP=SHR,DSN=EXAMPLE.DByyyyy.PLOG,      <=== PLOG DATASET
//              UNIT=TAPE,VOL=SER=PLOG5
//DDDRUCK     DD  SYSOUT=X
//DDPRINT     DD  SYSOUT=X
//SYSUDUMP    DD  SYSOUT=X

//DDCARD      DD  *
ADARUN PROG=ADAPLP,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
//DDKARTE     DD  *
ADAPLP SPLOGPRI
/*
```

## Print Sequential Intermediate Protection Log

```
//ADAPLPS     JOB
//*
//*  ADAPLP: PROTECTION LOG PRINT (FROM SEQUENTIAL PLOG)
//*
//PLP          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
//DDPLOG      DD  DISP=SHR,DSN=EXAMPLE.DByyyyy.PLOG,      <=== PLOG DATASET
```

```
//
//          UNIT=TAPE ,VOL=SER=PLOG5
//DDDRUCK   DD   SYSOUT=X
//DDPRINT   DD   SYSOUT=X
//SYSUDUMP  DD   SYSOUT=X

//DDCARD    DD   *
ADARUN  PROG=ADAPLP ,SVC=xxx ,DEVICE=dddd ,DBID=yyyyy
/*
//DDKARTE   DD   *
ADAPLP  IPLOGPRI
/*
```

## Print Adabas Work

```
//ADAPLPW   JOB
//*
//*   ADAPLP:  PRINT ADABAS WORK
//*
//PLP       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=ADAPLP ,SVC=xxx ,DEVICE=dddd ,DBID=yyyyy
/*
//DDKARTE   DD   *
ADAPLP  WORKPRI PRINT
/*
```

## VM/ESA or z/VM

Dataset	DD Name	Storage	More Information
Associator	DDASSORn	disk	Required for WORKPRI.
Work	DDWORKR1 DDWORKR4	disk	Required for WORKPRI.
Sequential protection log	DDPLOG	tape/ disk	Required for SPLOGPRI or IPLOGPRI.
Multiple protection log	DDPLOGR1	disk	Required for PLOGPRI if NUMBER=1 (default).
Multiple protection log	DDPLOGRn	disk	Required for PLOGPRI if NUMBER=n.
ADARUN parameters	DDCARD	disk/ terminal/ reader	<i>Operations</i>
ADAPLP parameters	DDKARTE	disk/ terminal/ reader	
ADARUN messages	DDPRINT	disk/ terminal/ printer	<i>Messages and Codes</i>
ADAPLP messages	DDDRUCK	disk/ terminal/ printer	<i>Messages and Codes</i>

## ADAPLP Examples (VM/ESA or z/VM)

### Print Sequential Protection Log

```

DATADEF DDPLOG,DSN=ADABASVv.SIBA,MODE=A
DATADEF DDPRINT,DSN=ADAPLP.DDPRINT,MODE=A
DATADEF DUMP,DUMMY
DATADEF DDDRUCK,DSN=ADAPLP.DDDRUCK,MODE=A
DATADEF DDCARD,DSN=RUNPLP.CONTROL,MODE=A
DATADEF DDKARTE,DSN=PLPSPLOG.CONTROL,MODE=A
ADARUN

```

### Contents of RUNPLP CONTROL A1:

```
ADARUN PROG=ADAPLP,DEVICE=dddd,DB=yyyyyy
```

### Contents of PLPSPLOG CONTROL A1:

```
ADAPLP SPLOGPRI PRINT
```

### Print Sequential Intermediate Protection Log

```

DATADEF DDPLOG,DSN=ADABASVv.SIBA,MODE=A
DATADEF DDPRINT,DSN=ADAPLP.DDPRINT,MODE=A
DATADEF DUMP,DUMMY
DATADEF DDDRUCK,DSN=ADAPLP.DDDRUCK,MODE=A
DATADEF DDCARD,DSN=RUNPLP.CONTROL,MODE=A
DATADEF DDKARTE,DSN=PLPSPLOG.CONTROL,MODE=A
ADARUN

```

**Contents of RUNPLP CONTROL A1:**

```
ADARUN  PROG=ADAPLP,DEVICE=dddd,DB=yyyyyy
```

**Contents of PLPSPLOG CONTROL A1:**

```
ADAPLP  IPLOGPRI PRINT
```

**Print One of Multiple Protection Log Datasets**

```
DATADEF  DDPLOG,DSN=ADABASVv.PLOG2,VOL=PLOGV2
DATADEF  DDPRINT,DSN=ADAPLP.DDPRINT,MODE=A
DATADEF  DUMP,DUMMY
DATADEF  DDPLOGR1,DSN=ADAPLP.DDPLOG,MODE=A
DATADEF  DDRUCK,DSN=ADAPLP.DDDRUCK,MODE=A
DATADEF  DDCARD,DSN=RUNPLP.CONTROL,MODE=A
DATADEF  DDKARTE,DSN=PLPDPLOG.CONTROL,MODE=A
ADARUN
```

**Contents of RUNPLP CONTROL A1:**

```
ADARUN  PROG=ADAPLP,DEVICE=dddd,DB=yyyyyy
```

**Contents of PLPDPLOG CONTROL A1:**

```
ADAPLP  PLOGPRI PRINT
```

**Print Work**

```
DATADEF  DDASSOR1,DSN=ADABASVv.ASSO,VOL=ASSOV1
DATADEF  DDWORKR1,DSN=ADABASVv.WORK,VOL=WORKV1
DATADEF  DDPRINT,DSN=ADAPLP.DDPRINT,MODE=A
DATADEF  DUMP,DUMMY
DATADEF  DDRUCK,DSN=ADAPLP.DDDRUCK,MODE=A
DATADEF  DDCARD,DSN=RUNPLP.CONTROL,MODE=A
DATADEF  DDKARTE,DSN=PLPWORK.CONTROL,MODE=A
ADARUN
```

**Contents of RUNPLP CONTROL A1:**

```
ADARUN  PROG=ADAPLP,DEVICE=dddd,DB=yyyyyy
```

**Contents of PLPWORK CONTROL A1:**

```
ADAPLP  WORKPRI PRINT,TYPE=ASSO
```

**VSE/ESA**



File	Symbolic Name	Storage	Logical Unit	More Information
Associator	ASSORn	disk	*	Required for WORKPRI.
Work	WORKR1	disk	*	Required for WORKPRI.
Sequential protection log	PLOG	tape disk	SYS014 *	Required for SPLOGPRI or IPLOGPRI.
Multiple protection log	PLOGR1	disk	*	Required for PLOGPRI if NUMBER=1 (default).
Multiple protection log	PLOGRn	disk	*	Required for PLOGPRI if NUMBER=n.
ADAPLP report		printer	SYS009	
ADARUN messages		printer	SYSLST	
ADARUN parameters	SYSRDR CARD	reader/tape/ disk		<i>Operations</i>
ADAPLP parameters	SYSIPT	reader		

\* Any programmer logical unit may be used.

## ADAPLP JCS Examples (VSE/ESA)

See Procedures for VSE/ESA Examples for a description of the VSE/ESA procedures (PROCs).

Refer to the following members for these examples:

Example	Member
Print sequential protection log	ADAPLPS.X
Print multiple protection log	ADAPLP.X
Print Adabas Work	ADAPLPW.X

### Print Sequential Protection Log

```
* $$ JOB JNM=ADAPLPS,CLASS=A,DISP=D
* $$ LST CLASS=A,DISP=D
// JOB ADAPLPS
*      PROTECTION LOG PRINT (FROM SEQUENTIAL PLOG)
// EXEC PROC=ADAVvLIB
// EXEC PROC=ADAVvFIL
// ASSGN SYS014,cuu
```

```
// PAUSE MOUNT LOAD INPUT FILE ON TAPE cuu
// TLBL PLOG,'EXAMPLE.DByyyyy.PLOG'
// MTC REW,SYS014
// EXEC ADARUN,SIZE=ADARUN
ADARUN PROG=ADAPLP,MODE=MULTI,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
ADAPLP SPLOGPRI
/*
/&
* $$ EOJ
```

## Print Sequential Intermediate Protection Log

```
* $$ JOB JNM=ADAPLPS,CLASS=A,DISP=D
* $$ LST CLASS=A,DISP=D
// JOB ADAPLPS
* PROTECTION LOG PRINT (FROM SEQUENTIAL PLOG)
// EXEC PROC=ADAVvLIB
// EXEC PROC=ADAVvFIL
// ASSGN SYS014,cuu
// PAUSE MOUNT LOAD INPUT FILE ON TAPE cuu
// TLBL PLOG,'EXAMPLE.DByyyyy.PLOG'
// MTC REW,SYS014
// EXEC ADARUN,SIZE=ADARUN
ADARUN PROG=ADAPLP,MODE=MULTI,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
ADAPLP IPLOGPRI
/*
/&
* $$ EOJ
```

## Print One of Multiple Protection Log Datasets

```
* $$ JOB JNM=ADAPLP,CLASS=A,DISP=D
* $$ LST CLASS=A,DISP=D
// JOB ADAPLP
* PROTECTION LOG PRINT (FROM MULTIPLE PLOG)
// EXEC PROC=ADAVvLIB
// EXEC PROC=ADAVvFIL
// EXEC ADARUN,SIZE=ADARUN
ADARUN PROG=ADAPLP,MODE=MULTI,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
ADAPLP PLOGPRI
/*
/&
* $$ EOJ
```

## Print Adabas Work

```
* $$ JOB JNM=ADAPLPW,CLASS=A,DISP=D
* $$ LST CLASS=A,DISP=D
// JOB ADAPLPW
* PRINT ADABAS WORK
// EXEC PROC=ADAVvLIB
// EXEC PROC=ADAVvFIL
// EXEC ADARUN,SIZE=ADARUN
ADARUN PROG=ADAPLP,MODE=MULTI,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
ADAPLP WORKPRI PRINT
/*
/&
* $$ EOJ
```