

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	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	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
```

```
//
//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	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
```

