JCL/JCS Requirements and Examples

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

This chapter covers the following topics:

- BS2000

- z/OS

- z/VM

- VSE

BS2000

Data Set	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		*Operations*
ADAPLP parameters	SYSDTA/ DDKARTE		
ADARUN messages	SYSOUT DDPRINT		*Messages and Codes*
ADAPLP messages	SYSLST DDDRUCK		*Messages and Codes*

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=yyyyy,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=yyyyy,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=yyyyy,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=yyyyy,IDTNAME=ADABAS5B
 ADAPLP IPLOGPRI PRINT
 /LOGOFF NOSPOOL
```

Print One of Multiple Protection Log Data Sets

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

z/OS

Data Set	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	*Messages and Codes*
ADARUN messages	DDPRINT	printer	*Messages and Codes*
ADARUN parameters	DDCARD	reader	*Operations*
ADAPLP parameters	DDKARTE	reader	

ADAPLP JCL Examples (z/OS)

Refer to the JOBS data set for the following example jobs:

Job Member	Description
ADAPLP	Print protection log (from multiple data set 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 Data Sets

```
//ADAPLP    JOB
//*
//*   ADAPLP: PROTECTION LOG PRINT (FROM MULTIPLE PLOG)
//*
//PLP       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
//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.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
//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.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
//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.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=ADAPLP,SVC=xxx,DEVICE=dddd,DBID=yyyyy
/*
//DDKARTE   DD   *
ADAPLP WORKPRI PRINT
/*
```

z/VM

Data Set	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	*Operations*
ADAPLP parameters	DDKARTE	disk/ terminal/ reader	
ADARUN messages	DDPRINT	disk/ terminal/ printer	*Messages and Codes*
ADAPLP messages	DDDRUCK	disk/ terminal/ printer	*Messages and Codes*

ADAPLP Examples (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=yyyyy
```

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=yyyyy
```

Contents of PLPSPLOG CONTROL A1:

```
ADAPLP IPLOGPRI PRINT
```

Print One of Multiple Protection Log Data Sets

```
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 DDDRUCK,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=yyyyy
```

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 DDDRUCK,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=yyyyy
```

Contents of PLPWORK CONTROL A1:

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

VSE

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		*Operations*
ADAPLP parameters	SYSIPT	reader		

* Any programmer logical unit may be used.

ADAPLP JCS Examples (VSE)

See Library and File Procedures for VSE Examples for a description of the VSE 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 Data Sets

```
* $$ JOB JNM=ADAPLP,CLASS=A,DISP=D
* $$ 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
```