

Section 2: Installing CPEXpert under MVS

CPEXpert normally is distributed on a non-labeled tape containing two source format libraries: SOURCE and USOURCE. The tape was created using IBM's IEBUPDTE utility software. This section describes how to install CPEXpert on a mainframe system operating under MVS.

Chapter 1: Unload the distribution tape, using IEBUPDTE.

The first step is to unload the distribution tape containing the CPEXpert code. The PDS requires fifteen to fifty cylinders of IBM-3380 space (depending upon how many components of CPEXpert you have ordered), and consists of members containing standard 80-byte record.

Use the Job Control Language (JCL) shown in Exhibit 2-1 to unload the data from tape to disk. This JCL unloads the majority of the CPEXpert source code into CPEXpert's normal source library (titled SOURCE), and unloads some CPEXpert source code into a user source library (titled USOURCE).

```
//jobname      JOB          job card information
//STEP01       EXEC        PGM=IEBUPDTE,PARM=NEW
//SYSPRINT     DD          SYSOUT=*
//SYSIN        DD          DSN=CPEXPERT.SOURCE,DISP=(OLD,KEEP),UNIT=TAPE9,
//              VOL=(,RETAIN,SER=CPE000),LABEL=(1,NL,EXPDT=98000),
//              DCB=(RECFM=FB,LRECL=80,BLKSIZE=6160)
//SYSUT2       DD          DSN=prefix.CPEXPERT.SOURCE,DISP=(,CATLG,DELETE),
//              UNIT=3380,VOL=SER=volser,SPACE=(CYL,(15,10,40)),
//              DCB=(RECFM=FB,LRECL=80,BLKSIZE=6160)
//STEP02       EXEC        PGM=IEBUPDTE,PARM=NEW
//SYSPRINT     DD          SYSOUT=*
//SYSIN        DD          DSN=CPEXPERT.USOURCE,DISP=(OLD,KEEP),UNIT=TAPE9,
//              VOL=SER=CPE000,LABEL=(2,NL,EXPDT=98000),
//              DCB=(RECFM=FB,LRECL=80,BLKSIZE=6160)
//SYSUT2       DD          DSN=prefix.CPEXPERT.USOURCE,DISP=(,CATLG,DELETE),
//              UNIT=3380,VOL=SER=volser,SPACE=(TRK,(2,1,10)),
//              DCB=(RECFM=FB,LRECL=80,BLKSIZE=6160)
```

JOB CONTROL LANGUAGE TO INSTALL CPEXpert UNDER MVS

EXHIBIT 2-1

The JCL is only a pattern. You will need to make the following changes:

JOBNAME	JOB	The job card information must be completed according to your installation's requirements
SYSIN	DD	The VOLSER CPEnnnn should be replaced by the actual VOLSER printed on the tape you receive.
SYSUT2	DD	The VOLSER=SER=volser must be replaced by the DASD volume on which you plan to unload the SOURCE. You may also need to change the unit type to SYSDA, based on your installation standards. Additionally, change the prefix in accordance with your installation standards.

Please use data set names (DSN) with USOURCE and SOURCE as the final qualifier to facilitate communications about the software. You will not normally make changes to any member in the SOURCE PDS. However, you **will** make changes to members in the USOURCE PDS. These changes are described in the appropriate User Manuals for CPEXpert components.

The names of the members of the PDS generally denote the component with which they are associated. The component is identified by the first three characters of the PDS member (e.g., WLMxxxxx, DASxxxxx, CICxxxxx, etc.).

Members used by more than one component are prefixed with the characters "GEN" (for example, GENMODEL is a general module used to compute the probability of finding a server busy, using Erlang C formula ($m/m/c$), and can be used by any component of CPEXpert).

There are two special members (titled **AAAAAAAA** and **ZZZZZZZZ**) located in SOURCE. These two members describe the most recent release level (and PTF, if appropriate) of CPEXpert code contained in SOURCE.

Chapter 2: Allocate space for CPEXpert data sets.

The second step is to allocate space for SAS libraries maintained by CPEXpert. CPEXpert maintains SAS data sets to describe SYS1.PARMLIB members, to describe problems that are discovered, and to contain historical information. These data sets contain the results from each produced by each CPEXpert component processing system measurement data.

Exhibit 2-2 illustrates the JCL required to allocate space for CPEXpert SAS libraries. SAS will automatically generate optimal DCB parameters.

```
//jobname      JOB          job card information
//STEP01      EXEC        IEFBR14
//CPEDATA     DD          DSN=prefix.CPEXPERT.CPEDATA,DISP=(,CATLG),
//              VOL=SER=xxxxxx,UNIT=3380,SPACE=(CYL,(10,1))
//HISTORY     DD          DSN=prefix.CPEXPERT.HISTORY,DISP=(,CATLG),
//              VOL=SER=xxxxxx,UNIT=3380,SPACE=(CYL,(5,1))
```

JOB CONTROL LANGUAGE TO ALLOCATE DASD SPACE

EXHIBIT 2-2