

Copying the Tape Contents to Disk

This subsection covers the following topics:

- OS/390
- BS2000/OSD
- VSE/ESA

OS/390

If you are using System Maintenance Aid (SMA), refer to the SMA documentation (included on the current edition of the Natural documentation CD).

If you are not using SMA: Follow the instructions below.

This section explains how to:

- Copy data set COPY.JOB from tape to disk.
- Modify this data set to conform with your local naming conventions.

The JCL in this data set is then used to copy all data sets from tape to disk. After that, you will have to perform the individual install procedure for each component.

Step 1 - Copy data set COPY.JOB from tape to disk

The data set COPY.JOB (label 2) contains the JCL to unload all other existing data sets from tape to disk. To unload COPY.JOB, use the following sample JCL:

```
//SAGTAPE JOB SAG,CLASS=1,MSGCLASS=X
//* -----
//COPY EXEC PGM=IEBGENER
//SYSUT1 DD DSN=COPY.JOB,
// DISP=(OLD,PASS),
// UNIT=(CASS,,DEFER),
// VOL=(,RETAIN,SER=<Tnnnnn>),
// LABEL=(2,SL)
//SYSUT2 DD DSN=<hilev>.COPY.JOB,
// DISP=(NEW,CATLG,DELETE),
// UNIT=3390,VOL=SER=<vvvvvv>,
// SPACE=(TRK,(1,1),RLSE),
// DCB=*.SYSUT1
//SYSPRINT DD SYSOUT=*
//SYSIN DD DUMMY
//
```

Where:

- <hilev> is a valid high level qualifier
- <Tnnnnn> is the tape number
- <vvvvvv> is the desired volser

Step 2 - Modify COPY.JOB to conform with your local naming conventions

There are three parameters you have to set before you can submit this job:

- Set HILEV to a valid high level qualifier.
- Set LOCATION to a storage location.
- Set EXPDT to a valid expiration date.

Step 3 - Submit COPY.JOB

Submit COPY.JOB to unload all other data sets from the tape to your disk.

BS2000/OSD

- Step 1
- Step 2

If you are not using SMA, copy the data set SAT nnn .JOBS from tape to disk using the procedure described below. In this procedure, the following values must be supplied:

- In the data set names, replace nnn with the current version number of the data sets.
- Replace XXXXXX with the volume serial number of the tape.
- Replace YYY with the file sequence number.

Step 1

Copy the job data set SAT nnn .JOBS from tape to disk using the BS2000/OSD utility PERCON or EDT.

If you use PERCON, issue the following commands:

```
/FILE SAT $nnn$ .JOBS,VOL=xxxxxxx,DEV=T9G -
/      ,BLKSIZE=,RECSIZE=,RECFORM=,FCPTYPE= -
/      ,STATE=FOREIGN,FSEQ=YYY,LINK=PCIN
/FILE P.SAT $nnn$ ,LINK=PCOUT
/EXEC PERCON
END
```

If you use EDT, issue the following commands:

```
/FILE SAT $nnn$ .JOBS,VOL=xxxxxxx,DEV=T9G -
/      ,BLKSIZE=,RECSIZE=,RECFORM= -
/      ,STATE=FOREIGN,FSEQ=YYY,LINK=EDTSAM
/EXEC EDT
@ READ '/'
@ SY '/REL EDTSAM'
@ WRITE 'P.SAT $nnn$ '
@ HALT
```

Step 2

Issue the command:

```
/CALL P.SATnnn,PRODUCT=SATnnn
```

An example job library LIB.SATnnn is created from the procedure data set.

VSE/ESA

The sample JCS supplied on tape for the installation of System Automation Tools assumes one library which has installation sublibraries per Software AG product. In addition to these sublibraries, you need a work sublibrary and a sublibrary for sample installation jobs for System Automation Tools. It is recommended that you create this library and the work sublibrary now.

The following job creates this library. The size needed for the library depends on the number of products and versions which are to be loaded into this library later on; the following example uses 1200 tracks of a 3380 device as a recommended size:

In the // EXTENT statement, replace vvvvvv with the VOLSER of the pack where the data set is to reside, and nnnn with the starting track of the data set.

```
* $$ JOB JNM=SMADEF,CLASS=0,DISP=D,LDEST=(,...)
* $$ LST CLASS=A,DISP=D
// JOB SMADEF
// DLBL SAGLIB,'INSTALL.SMALIB',99/365,SD
// EXTENT ,vvvvvv,1,0,nnnn,1200
DEFINE LIB=SAGLIB
DEFINE SUB=SAGLIB.USRLIB,REUSE=AUTO,R=Y
/*
/&
* $$ EOJ
```

The sample job assumes that standard label SAGLIB is defined for this library. You can use the following job to add this label to the standard label area:

In the // EXTENT statement, replace vvvvvv with the VOLSER of the pack where the data set is to reside.

```
* $$ JOB JNM=STDLABEL,CLASS=A,DISP=D
* $$ LST CLASS=A,DISP=D
// JOB STDLABEL
// OPTION STDLABEL=DELETE
SAGLIB
/*
// OPTION STDLABEL=ADD
// DLBL SAGLIB,'INSTALL.SMALIB'
// EXTENT ,vvvvvv
/*
/&
* $$ EOJ
```

Now copy the sublibrary containing System Automation Tools sublibrary and the sample installation jobs from tape using the following JCS:

```

* $$ JOB JNM=SATJOBS,CLASS=0,DISP=D,LDEST=*,SYSID=1
* $$ LST CLASS=A,DISP=D
// JOB SATJOBS
// ASSGN SYS005,IGN
// ASSGN SYS006,cuu,VOL=SATnnn
// MTC REW,cuu
// MTC FSF,SYS006,nn
* Tape positioned at file ?, tape mark nn
* *** Now process SATnnn.LIBR - JOBS ***
// EXEC LIBR,PARM='MSHP'
  RESTORE SUBLIB=SAGLIB.SATnnnJ:SAGLIB.SATnnnJ -
          SUBLIB=SAGLIB.SATnnn:SAGLIB.SATnnn -
          TAPE=SYS006 -
          LIST=YES -
          REPLACE=NO
/*
// MTC REW,SYS006
/*
/&
* $$ EOJ

```

The notation *cuu* represents the physical unit address of the tape drive.

The notation *nn* represents the file sequence number given by $(3 * \text{file-no}) - 2$, as shown in the **Report of Tape Creation**. If your library is the first data set on the tape, leave out the // MTC ... instructions.

The notation *nnn* represents the version number of the product.

Now use job SATTAPE from this job library to restore the System Automation Tools sublibrary from tape and make System Automation Tools known to MSHP.

All further data sets will be directly used from tape by the installation jobs.