

# FATSCOPY CHECKPOINT/RESTART

## FATSCOPY Checkpoint/Restart examples:

**Q** I have long-running copy jobs that I sometimes have to interrupt at the end of my processing window. How can I make it easy to pick up where I left off?

**A** FATSCOPY's checkpoint/restart features allow you to stop a running job with an operator command (STOP or CANCEL) and save the status of the current job in a DSNTABLE data set. The DSNTABLE data set saves a list of the files which were selected for the copy job, and marks which of those files have been copied. A FATSCOPY RESTART job using that DSNTABLE data set loads the list of files, skips those which have already been copied, and copies the selected files starting with the first non-copied file.

Here's an example of a job which might select a large number of data sets:

*FTP member: Large\_Copy\_Job.txt*

```
//JOB1          EXEC  PGM=FATSCOPY,REGION=0M
//STEPLIB       DD    DSN=FATSCOPY.LIBRARY,DISP=SHR
...
//DSNTABLE      DD    DSN=JAT.FATSCOPY.RESTART,UNIT=SYSALLDA,
//              SPACE=(TRK,(15,5),RLSE),DISP=(,CATLG)
//TAPEOUT       DD    DSN=DUMMY,UNIT=VTAPE,DISP=(,KEEP)
//SYSIN         DD    *
COPY MULTIFILE=YES
SELECT CATDSN=PROD.**
/*
```

The operator stops the job with a STOP command while the 259th selected file is being copied. FATSCOPY finishes copying the 259th file and then terminates, writing out the data set JAT.FATSCOPY.RESTART. The following job is used to continue copying starting with the 260th file:

*FTP member: Restart\_Job.txt*

```
//JOB2          EXEC  PGM=FATSCOPY,REGION=0M
//STEPLIB       DD    DSN=FATSCOPY.LIBRARY,DISP=SHR
...
//DSNTABLE      DD    DSN=JAT.FATSCOPY.RESTART,DISP=SHR
//TAPEOUT       DD    DSN=DUMMY,UNIT=VTAPE,DISP=(,KEEP)
//SYSIN         DD    *
COPY RESTART
/*
```