

TO: Distribution
FROM: J. W. Waclawski
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SUBJECT: Incremental Backup

This MOSN obsoletes MOSN's 71, 124, 133

After initialization of Answering Service on Initializer, log-in the backup.

1. Dial appropriate line number.
2. Type: Login Backup
and give password when asked.
3. When TTY is at ready mode type "bc".
 - 3a. "bc" cleans up any maps that may not have printed at the time of a crash.
4. Type: start_dump sys_dirs op.initials ntapes
 - 4a. initials are the operator's initials and ntapes is the number of tapes (normally 1). ntapes may be omitted since the default is 1. The incremental dumper will "wake up" every 1/2 hour after the previous pass started.
5. If for some reason, the dumper does not wake up after a half hour, it may be started manually by issuing the following command:
wakeup_dump
6. To terminate dumping, the following command may be issued any time the dumper is asleep.
end_dump
7. Catchup dumps should be done at 19:00 if needed and at 03:00 all the time. The 19:00 catchup is done if there have been 4 incremental tapes generated since the time that Multics came up in the morning after the SAVE. Issue the following command.
catchup_dump sys_dirs initials (ntapes time)

initials are operator's initials
ntapes is the number of duplicate tapes (usually only 1)
time is the time that the catchup increment is to start
from (usually omitted, default is 05:00).
The normal method of "catchup" is to leave out the
arguments for ntapes and time.
Normal dumping of incrementals will continue after
catchup terminates. Backup will ask for new tapes
to be mounted.

8. All SAVES, Catchups and Increment tapes will be recorded in a common log in Operations Multics Log. The log is self-explanatory and the conventions used for distinguishing between Save, Catchup and Incremental is as follows:

I = incremental S = save C=catchup

9. The advantage of "catchup" dumps takes place when an emergency has necessitated a reload of all files. Then the save can be restored and the catchup tapes can be reloaded instead of a collection of incomplete incremental tapes. Since the catchup tapes have all the files that the incremental dumped throughout the day.