

Study for MT-Backup on Tape

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July 10, 2004

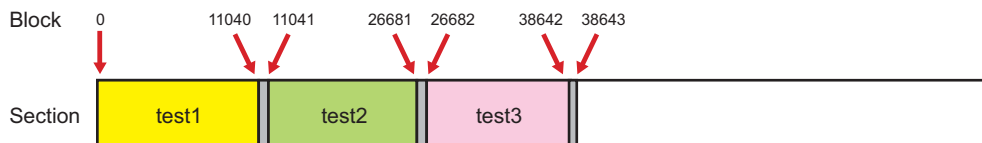


Figure 1: A schematic representation of MT-Backup on tape

The purpose of this study is to check the SETMARK on tape.

1. Backup test1 file and check the current block on tape

```
# sh BACKUP.sh
# mt -f /dev/nst0 tell
  At block 11041
```

2. Backup test2 file and check the current block on tape

```
# sh BACKUP.sh
# mt -f /dev/nst0 tell
  At block 26682
```

3. Backup test3 file and check the current block on tape

```
# sh BACKUP.sh
# mt -f /dev/nst0 tell
  At block 38643
```

4. Rewind the tape.

```
# mt -f /dev/nst0 rewind
```

5. List the contents of backup file and check the current block

```
# tar -tf /dev/nst0
rdata5/TPC/data/2004Apr05/r0028539.dat
rdata5/TPC/data/2004Apr05/r0028539.dat1
rdata5/TPC/data/2004Apr05/r0028539.dat2
rdata5/TPC/data/2004Apr05/r0028541.dat
rdata5/TPC/data/2004Apr05/r0028541.dat1
```

```
rdata5/TPC/data/2004Apr05/r0028541.dat2
# mt -f /dev/nst0 tell
  At block 11040

# tar -tf /dev/nst0 <-- Here is the SETMARK
# mt -f /dev/nst0 tell
  At block 11041
```

```
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# tar -tf /dev/nst0
rdata5/TPC/data/2004Apr06/r0028543.dat
rdata5/TPC/data/2004Apr06/r0028543.dat1
rdata5/TPC/data/2004Apr06/r0028543.dat2
rdata5/TPC/data/2004Apr06/r0028545.dat
rdata5/TPC/data/2004Apr06/r0028545.dat1
rdata5/TPC/data/2004Apr06/r0028545.dat2
# mt -f /dev/nst0 tell
  At block 26681

# tar -tf /dev/nst0 <-- Here is the SETMARK
# mt -f /dev/nst0 tell
  At block 26682
```

```
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# tar -tf /dev/nst0
rdata5/TPC/data/2004Apr07/r0028568.dat
rdata5/TPC/data/2004Apr07/r0028568.dat1
rdata5/TPC/data/2004Apr07/r0028568.dat2
rdata5/TPC/data/2004Apr07/r0028570.dat
rdata5/TPC/data/2004Apr07/r0028570.dat1
rdata5/TPC/data/2004Apr07/r0028570.dat2
# mt -f /dev/nst0 tell
  At block 38642

# tar -tf /dev/nst0 <-- Here is the SETMARK
# mt -f /dev/nst0 tell
  At block 38643
```

Summary : The system can setmark automatically. I think it was done by 'tar' function. The study is just on one tape. Cross-tape (for sequential-access mode) will be checked later.