

# 1. Recovering a Lost File

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This document covers what to do if a MISER file is accidentally deleted or becomes corrupted. Since MISER files are used in various ways, the degree of difficulty in recovering a file depends on the file.

If the file **SITE\$DATA:POINTS.DAT** is bad or missing, the first step is to stop MISER on the affected node. Then, copy the file from another MISER host and reboot.

## 1.1 Copying the new File from one host to the other

In most cases of accidental file deletion or corruption, it is safer and more convenient to copy the new file that replaces the lost file from the MISER host **XXXVSA** or **XXXVSB** (where **XXX** is the site Acronym) to the new location.

To do this:

- 1.) Log onto a MISER host that still has the file.
- 2.) Set default to the directory with the file, and issue the following command:

```
COPY <filename>.<extension> <nodename of target node>::<directory> /LOG
```

For instance, to copy the CONFIG.DAT file from **XXXMVB** to **XXXMVA**, log onto **XXXMVB** and do the following:

```
SET DEF SITE$DATA: ! Sets default to the report directory  
COPY CONFIG.DAT XXXMVA::SITE$DATA: /LOG ! Copies the file
```

- 3.) The File copy is now complete. Logoff the source node, and get back on the target node and do a DIR to verify that the copy was successful

For example, on **XXXMVA**:

```
DIR SITE$DATA:CONFIG.DAT /DATE /SIZE
```

## 1.2 Recovering from MSRBACK

In some cases, it may be necessary to recover a lost file from a MSRBACK Site Backup tape. Following is a short summary of the steps to do so.

- 1.) Log in to a node that has a tape drive, and get a terminal session.
- 2.) Set default to the directory that is supposed to have the file.
- 3.) Delete any existing versions of the file. (This scenario assumes that any versions still on disk are outdated or corrupted. Leaving old versions around will cause problems with file version numbers when reading the tape.)
- 4.) Place the tape in the tape drive, and wait until the Busy light stops blinking.
- 5.) Enter the command:

```
BACKUP <tape drive>:<save set file name> /LABEL=<tape volume label> -
/SELECT=<file name to recover> - PF:[*...] /LOG
```

For instance, to copy **DLYNUM.RDU** off the following MSRBACK site backup tape, made using Option 2 of the MSRBACK procedure:

- Tape label = **XXXBCK** (where **XXX** is the site Acronym)
- Save set name = **XXX22NOV2001.BCK** (where **XXX** is the site Acronym)

...on tape drive **MKA500**, enter the following command:

```
BACKUP MKA500:XXX22NOV2001.BCK /LABEL=XXXBCK -
/SELECT=DLYNUM.RDU PF:[*...] /LOG
```

To copy **DLYNUM.RDU** and **QUIGLEY.RDU** off the same tape, enter:

```
BACKUP MKA500:XXX22NOV2001.BCK /LABEL=XXXBCK -
/SELECT=(DLYNUM.RDU, QUIGLEY.RDU) -
PF:[*...] /LOG
```

Note the parentheses around the comma-separated list of files.

To copy all the files for the **[XXX.DOCUMENT]** (where **XXX** is the site Acronym) directory off the tape, enter:

```
BACKUP MKA500:XXX22NOV2001.BCK/LABEL=XXXBCK -
/SELECT=[XXX.DOCUMENT]*.* -
PF:[*...] /LOG
```

To copy all the files from the above examples off the tape, enter:

```
BACKUP MKA500:XXX22NOV2001.BCK/LABEL=XXXBCK -
/SELECT=( [XXX.DOCUMENT]*.* , DLYNUM.RDU , QUIGLEY.RDU ) -
PF:[*...] /LOG
```

- 6.) When the backup is complete, use the NET\_DIST command to copy the recovered file(s) to all the MISER nodes.

For example:

```
NET_DIST MNET$REP:DLYNUM.RDU
NET_DIST MNET$REP:QUIGLEY.RDU
NET_DIST PF:[XXX.DOCUMENT]*.*
```

If you stopped MISER, or MISER crashed, on the node with the missing file, reboot the node to restart MISER.

- 7.) The tape will rewind and eject itself when you log out of your terminal session on the node with the tape drive. To eject the tape without logging out, enter

```
DISMOUNT <tape drive>
```

For example:

```
DISMOUNT MKA500:
```

- 8.) The file recovery from MSRBACK is now complete.