

Chapter 18 - Backup Tools

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Backup Media Types

- Magnetic Tapes
- CD/DVD-Rom
- Zip drives
- Hard drive/network backup
- USB

Backup Types

- Full backup
 - entire system is backed up
- Differential Backup
 - Only backups that has changed since last full backup
- Incremental Backup
 - Backup on what has changed since the completion of any type of backup

tar

- Tape Archive
- Options:
 - c - create
 - t - show contents
 - x - extract
 - v - verbose
 - f - set filename

Options:

```
$ tar cvf mydir.tar mydir # all contents under mydir directory will be bundled to mydir.tar
$ tar tvf mydir.tar # shows content of bundled file
$ tar xvf mydir.tar # extracts tar file
```

compress

Compress a file to a smaller file

```
$ compress mydir.tar # compress mydir.tar file -> mydir.tar.Z
$ uncompress mydir.tar.Z # uncompresses mydir.tar
$ gzip mydir.tar # -> mydir.tar.gz
```

```
$ gzip -d mydir.tar.gz # extract file  
$ gunzip mydir.tar.gz # extract file
```

Example

```
$ tar cvf mydir.tar mydir  
$ compress mydir.tar  
$ ftp 10.10.54.75  
ftp> bi  
ftp> put mydir.tar.Z  
ftp>quit  
$ telnet 10.10.54.75  
$ uncompress mydir.tar.Z  
$ tar xvf mydir.tar
```