



CS5354

UNIX TOOL PROGRAMMING

Backup : cpio and tar

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Backup – Why we need ?????

Crash

Data Loss

Safety

Easily Restore

Security (kept at distant location)

Backup Devices

Magnetic Tape

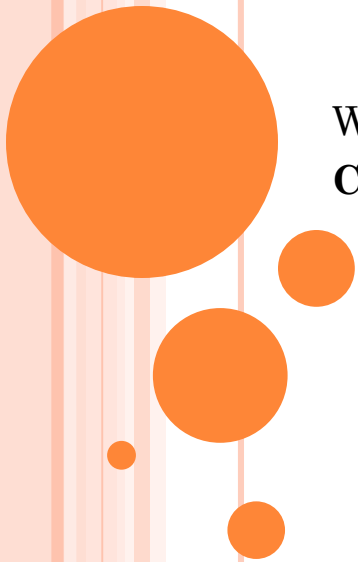
Floppy Disk

Disk

But for **small system** like workstation

We use to illustrate the features of both commands.

Cpio and **tar**



Cpio (Copy input- output)

Copies files to and from a backup device

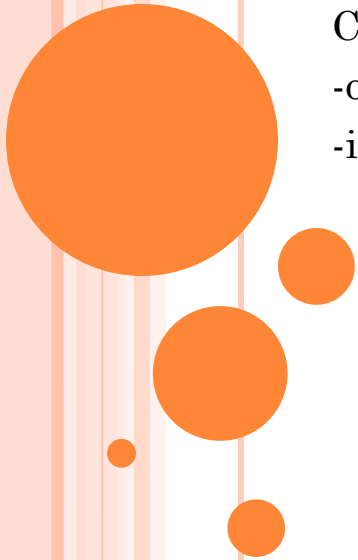
It use redirection and piping

Cipo uses two key otions

-o(output)

-i (input)

Either of ehich must be there. (Not both)



Backing up (-o) and Restoring(i) files

```
$ls | cpio -ov > /dev/rdisk/f0q18dt
```

This is how you copy files in the current directory to a 1.44MB floppy

-v: Verbose

```
$ cpio -iv < /dev/rdisk/f0q18dt
```

A complete archive or selected files can be restore with i key option.

To restore files, use redirection to take input from device

