

PSC Backups

* *psbackup* script:

- Runs at ~1am on every Unix machine.
- Runs *dump/tar/smbtar* as defined in a configuration file,
- Pipes the backups into *rsh* or *krsh* to transfer them to a staging host.
- Does some simplistic randomization to spread out the load over time.

* staging hosts:

- Just a Unix box with a large disk and decent network.
- Generally one stage server per site.
- Every hour, transfers backups to the HSM via *krsh*.

* HSM: Hierarchical Storage Manager

- Fed by "LCNs" (Local Cache Nodes) running Linux.
- Transparent hierarchy of storage: disks in LCNs, disks in SGI, tapes in silo.
- Files (including backups) are automatically migrated to tape.
- A weekly script deletes old backups.

* Other stuff

- About 120GB of Unix backups are added each day.
- We limit what is backed up; some machines have multiple terabytes of disk.
- NT domain servers are backed up by a staging host via *smbtar*.
- PSC.EDU AFS cell is backed up on an LCN (130GB/week).

