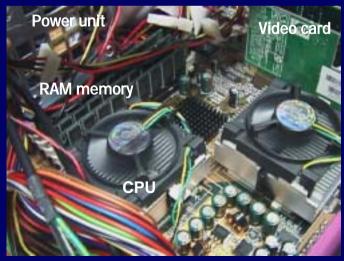
Boewulf PC Cluster: How to make and use it



PC units mounted in a 19" rack



M/B (chipset w/ bios)

1. Collect commercial PC parts ¥150-200k/unit

Mandatory: CPU, memory, M/B, LAN card, power unit

Optional: HDD, CD drive, Video card

Need 1 set: monitor, K/B, mouse, TCP/IP hub

2. Assemble screw drivers, glove

Fix M/B

Fix parts CPU memory cards HDD Connect cables signal, power, LAN, monitor

3. Install O/S and basic softwares boot and install Linux + MPI (free)
Fortran f90, HPF (expensive!)

4 . Set system environments TCP/IP network

NFS mount: export the master's /home NIS: enable the master node fuctionality

MPI, PBS

5 . Programming
F90 + MPI for distributed memory architecture
or HPF