NPAC Parallel Computing Facility

MIMD Parallel Machines

32 nodes
(SPARC + VU)
1 GB RAM
Datavault

4 wide/8 thin nodes
3+ GB RAM
180 GB HD
Parallel Oracle
Parallel DB2

16 nodes
(i860)
256 MB RAM
Concurrent I/O

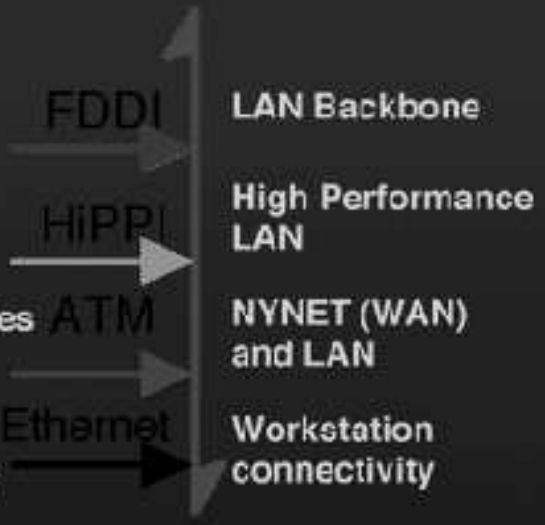
64 CPUs/32 I/O nodes
2.2 GB RAM
0.2 TB II I/O
Parallel Oracle
Parallel Text Server

SIMD Parallel Machines

8K nodes
128 MB RAM
HiPPI

16K nodes
256 MB RAM
HiPPI

Networking Technologies



LAN Backbone

High Performance LAN

NYNET (WAN) and LAN

Workstation connectivity

Workstation Clusters

8 Workstations
Switched FDDI

8 Workstations
Allnode switch

Auxilliary Infrastructure

- Gigaswitch - switched FDDI
- SGI Challenge - Network/Web server
- FORE switch - LAN to WAN connectivity
- VOD infrastructure
- SGI, IBM, DEC graphic workstations
- 60+ desktop workstations
- Multimedia support