

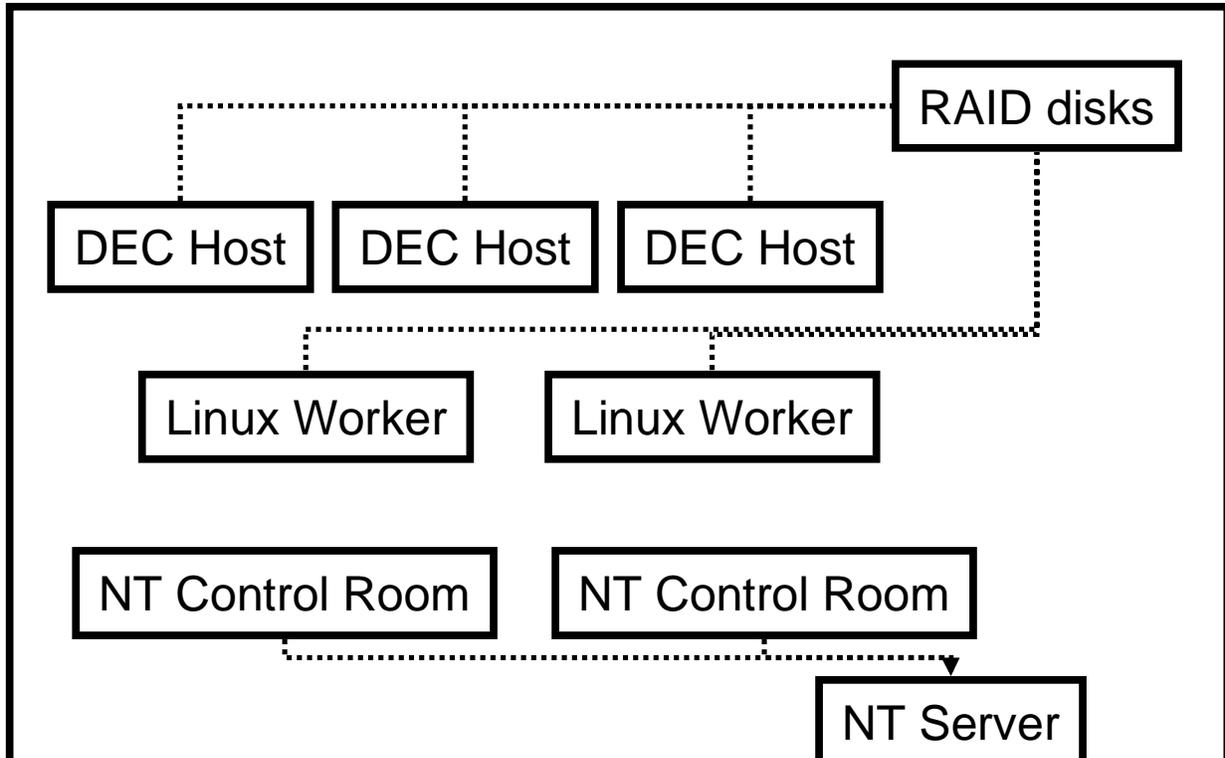
Online Status Report

16-April-98

Focus on sub-system status

- **Computing system**
- **Tools and utilities**
- **Control & Monitoring**
- **Data Acquisition**
- **Data monitoring**
- **“Control Room” applications**

Computing System



- **DEC Alpha host**

- Node d0ola
- Installing upsl versions of products

- **Linux system**

- Node d0linux01
- Mounting products from RAID set

- **NT system**

- no online-specific installation
- using DZERO domain resources for now

Tools and Utilities

- **Client / Server package**
 - **seen as the base for *many* applications:**
 - **COOR, Data Logger, TAKER, Alarms, Calibration, monitoring, ...**
 - **handles the intertask communication chores in a consistent, maintainable, robust fashion**
 - **way behind schedule...**
 - **has been on chart for activity for over a year**
 - **have now enlisted CompDiv assistance, and will get Lars Rasmussen to help**
 - **holding up the useful involvement of non-experts who can flesh out all of the specific applications**

Control and Monitoring

- **To date has been focused on support of specific activities at Lab D**
 - **eg control of moving table**
- **We still don't have our arms completely around the EPICS 'base' upon which we expect to develop our control system**
 - **requires development of 'expert' skills**
- **CDAQ replacement is still (several) conceptual plans**
 - **choice of plan must be made, design and development must start**
- **Various individual applications awaiting effort**
 - **specific problem spots: High Voltage**

Data Acquisition

- To date have concentrated on 'control path DAQ' using DART with minimal modifications to read out 68K front ends
- Should have sufficient experience to evaluate those components of DART which should be used in D0 Run II environment
 - but need to reach conclusions and formulate plans
- Getting adequate CompDiv help as required with DART, but will need to evaluate requirements for D0-specific changes
- Run environment, COOR etc, in infancy - but in (over-committed?) expert hands

Data Monitoring

- **EXAMINE model toyed with in Test Beam and Lab D**
- **but have lost only active workers...**
- **will benefit from C/S developments and DART decisions...**
- **but once tools are available, needs lots of external effort**

Control Room Applications

- **Mainly dependent on availability of tools**
- **Work has been done on GUIs, Python and otherwise, which will have to be plugged into application development efforts**
- **Will take lots of ‘organizational’ work (Jan and Joan style) which we don’t have assigned**