

# Setting Up A Local DØ Linux Server at UTA

DØRACE

December 6, 2001

# Introduction

- ❑ Goal: provide local access to DØ software, as an alternative to remote dØmino and/or cluedØ logins
- ❑ Also: if data files (i.e., root-tuples) are transferred here, faster response, etc.

# Description of The Server

- ❑ Intel server board
- ❑ dual Pentium III 1 GHz cpu's
- ❑ 1 GB SDRAM (max. 4 GB)
- ❑ 54 GB SCSI hard disk
- ❑ 300 GB IDE RAID
- ❑ CD-RW, tape back-up, etc.
- ❑ ~\$3500

# Linux Installation

- ❑ Red Hat 7.1 “out of the box”
- ❑ Several new configuration features compared to RH 6.1, 6.2
- ❑ Device driver support improved in RH 7.x ??
- ❑ Depends...

# On To DØ Software!

- ❑ First, register node for ups/upd transfers:

[www.fnal.gov/cd/forms/upd\\_registration.html](http://www.fnal.gov/cd/forms/upd_registration.html)

- ❑ Create directories (/fnal/ups, /d0dist/dist, etc.)
- ❑ I used `bootstrap' method to install ups/upd
- ❑ Ready to begin software installs...

# On To DØ Software II

- ❑ So far, no luck.
- ❑ upd install DØRunII t01.70.00 ... is failing after 10-15 minutes (ftp errors, etc.)
- ❑ Tried upd -I ... no improvement
- ❑ What's the problem??

# Status / Plans

- ❑ New server is configured, but as yet problems installing DØ software via upd
- ❑ Once this problem is solved complete installation of DØ code (and other required packages)
- ❑ Evaluate performance of the server with increasing numbers of users
- ❑ Memory and disk storage scalable (though cpu's are not with this particular motherboard)