

Status Update - DØ Linux Server at UTA

DØRACE

January 17, 2002

Introduction

- ❑ At the time of the last D0race meeting (12/06/01) I was experiencing difficulty getting a t-release installation via upd to complete successfully
- ❑ This eventually worked after many attempts – not sure why?? Perhaps network problems, etc.??

Quick Reminder of The Server Configuration...

- ❑ 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...

Software Installed

- ❑ `bootstrap' ups/upd
- ❑ cern, root, geant, etc.
- ❑ D0RunII t01.72.00 (upd for first part, ftp/unpack for binaries).
- ❑ various other dependencies...

Documentation on the Web

- ❑ As part of the D0race project we've begun posting instructions for software installation:

<http://www-hep.uta.edu/~d0race>

(click on "Setting Up A Remote..." link)

- ❑ Currently four "phases" with increasing capabilities

Linux_D0software_intro - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History

Address http://www-hep.uta.edu/~d0race/Linux_D0software_intro.html Go Links

D0race

Suggestions for Setting Up A Linux System + D0 Run II Software

Much of the information necessary for setting up a Linux PC and installing D0 Run II software has been documented in other locations*. In this document we hope to update some things, as well as define the "minimum system requirements" necessary to provide a desired level of functionality. Click on one of the links below for details of a given phase plus the instructions for implementation:

Phase 0	PC Hardware <==> Linux Operating System
Phase I	ROOT Analysis
Phase II	D0 Software Release(s)
Phase III	Code Development
Phase IV	Remote Data Access (SAM)

*see for example <http://www-d0.fnal.gov/~schellma/linux/> and the references contained therein.

Internet

Conclusion

- ❑ With some D0 software installed users are now beginning to try out our local system (and report problems...)
- ❑ Compiling setup / installation documentation at www-hep.uta.edu/~d0race/
- ❑ See the D0 install scripts on the D0race website – helpful for automating things (thanks John Ellison)
- ❑ Please contact me (sosebee@uta.edu) if I can help with anything.