Common UNIX Environment - HOT Issues

Clustering - General and Workgroup servers; dataless clients

Provisions for Multiple Versions/Access to Software Products

setup
/usr/local/bin,lib

Supported Utilities - GNU, Tcl/Tk, Perl, Web, CERNlib, etc.

Central File System - NFS now; DFS later

Home Directories - common login scripts for 3 platforms

Draft document - feedback welcome!

http://www.cebaf.gov/~chambers/unixdraft.html

cebaf.computing.unixenviron

unixenv@cebaf.gov

Common UNIX Environment - Issues

Clustering

Central File System/Home Directories

Naming Conventions

Provisions for Multiple Versions/Access to Software Products

Cross-Platform Environment

Supported Utilities/Shells

Disk Quotas/Scratch Disks

X Configuration

Others: Mail/Printing/Backups/License Management/NIS/DNS

The CEBAF Common UNIX Environment

Implementing two new UNIX operating systems -
A New Start!

Transition to a production Physics environment

Balance between

Manageability

What Users want

Consistency with HEP Environment

The UNIX Platform Selection

Also considered, but not the deciding factors:

Floating point performance

64-bit offerings

File and File System Size Limits

Software availability (code development environment)

SMP offerings

Byte ordering

The UNIX Platform Selection

Solaris

AIX

Current environment status:

HP-UX - continued support

Ultrix - decommission by Oct. 1, 1996

Critical evaluation considerations:

Integer Performance : $$ Ratio

High-End Tape Drive Support

CEBAF Site Report
HEPiX
TRIUMF
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