



The Nexenta Experience

Joe Little
Stanford University



NEXENTA



Nexenta Matters

Why Nexenta may be in your future

A brief look into the past, present, and future of Solaris and Linux based distributions. In the end, you'll see why hybrids are popular.



Scope of Discussion

SUN's past at Stanford

Advent of Linux

GnuOpenSolaris?

Demos...

Nexenta at Stanford

Nexenta Futures



Sun At Stanford

- SUNW: Stanford Unix Network Workstation
- Primary UNIX solution for EE/CS and University throughout the 90's
- I began on Solaris 2.2; the best path to take
- New millenium brought a general migration away from Sun as relevancy faded to both admins and developers



Linux Changes the Rules

- For UNIX, its x86 (price/performance)
- Focus on complete OS (GNU apps, packaging)
- Latest and greatest, heavy churn
- Shift from workstation to desktop



Nexenta Gnu OpenSolaris

- OpenSolaris-based kernel/drivers/libc/core
 - Dtrace, ZFS, Zones, SMF
- Ubuntu userland, tools, and packaging
- Custom minimal footprint installer
- ~12K packages from Debian/Ubuntu
- Solaris packages in .deb format, with support for native SVR4 pkgs (can use pkgadd, pkgrm)



DEMO

What is Nexenta?

(Martin Man from Sun, Prague)



Nexenta is Easy

- To Buy: Free!
- To Install: Simplified!
- To Maintain: Apt-Get/Synaptic
- To Expand: Solaris+Linux Dev Environments
- Desktops? Ubuntu is becoming the best solution for maintaining Linux servers...



Nexenta @ Stanford

- Solaris technologies make it relevant again, drawing a lot of interest from research
- Expectations have changed, with fast availability of technology in a complete packaged solution
- Users also want true stability in the base OS
- Nexenta delivers the best of Solaris + “Linux”
- Deployed as preferred server solution



DEMO

Nexenta for Servers/Developers
(Martin Man from Sun, Prague)



Nexenta Futures

- Community Driven for the base OS
- Closing in on 1.0: Ubuntu Feisty integration
- Nexenta focus: stabilizing the core
- Soon: NexentaServer/StorageEdition
- ZFS Root/Boot and Xen Integration



Summary

- Nexenta is the best of both worlds
- Ease of acquisition, maintenance, and use
- For Servers too!
- Nexenta may just be for you



Q&A

<http://www.gnusolaris.org>