

Challenges and future plans for Nexenta

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Agenda

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...what is Nexenta...
...(technical) and other challenges...
...future plans...
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What is Nexenta

Community driven project

OpenSolaris Core combined with Ubuntu Linux Userland

dpkg/apt powered
OpenSolaris distribution

...which means that you get...

dtrace, mdb, zfs, pstack, zoneadm, binary compatibility, enterprise hardware support, ...

and

dpkg, apt-get, dpkg-buildpackage tons of applications, clean upgrade path build processes, transparent QA, ...

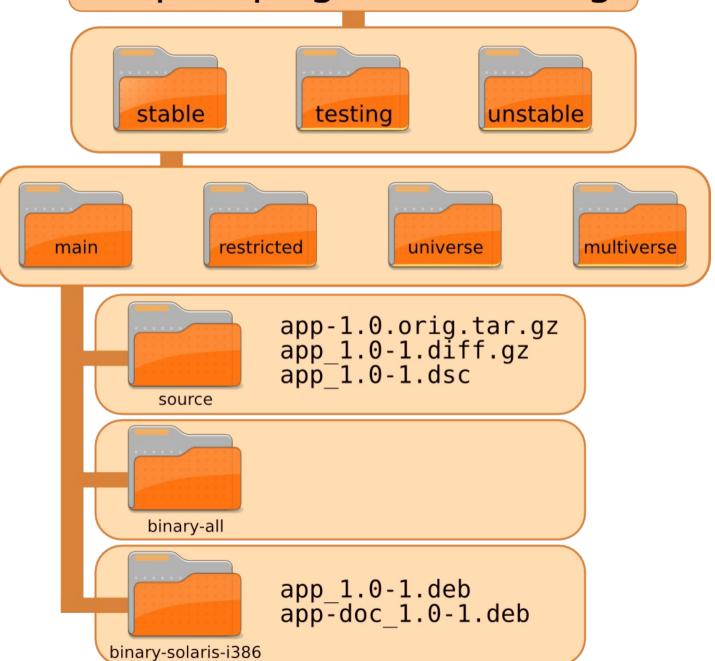
Nexenta structure

Nexenta Repositories follow the Ubuntu structure.

Packages **originate** in **Ubuntu** and Debian/GNU Linux.

Nexenta centric development concentrates around seamless integration of OpenSolaris (ONNV) and Ubuntu world.

http://apt.gnusolaris.org

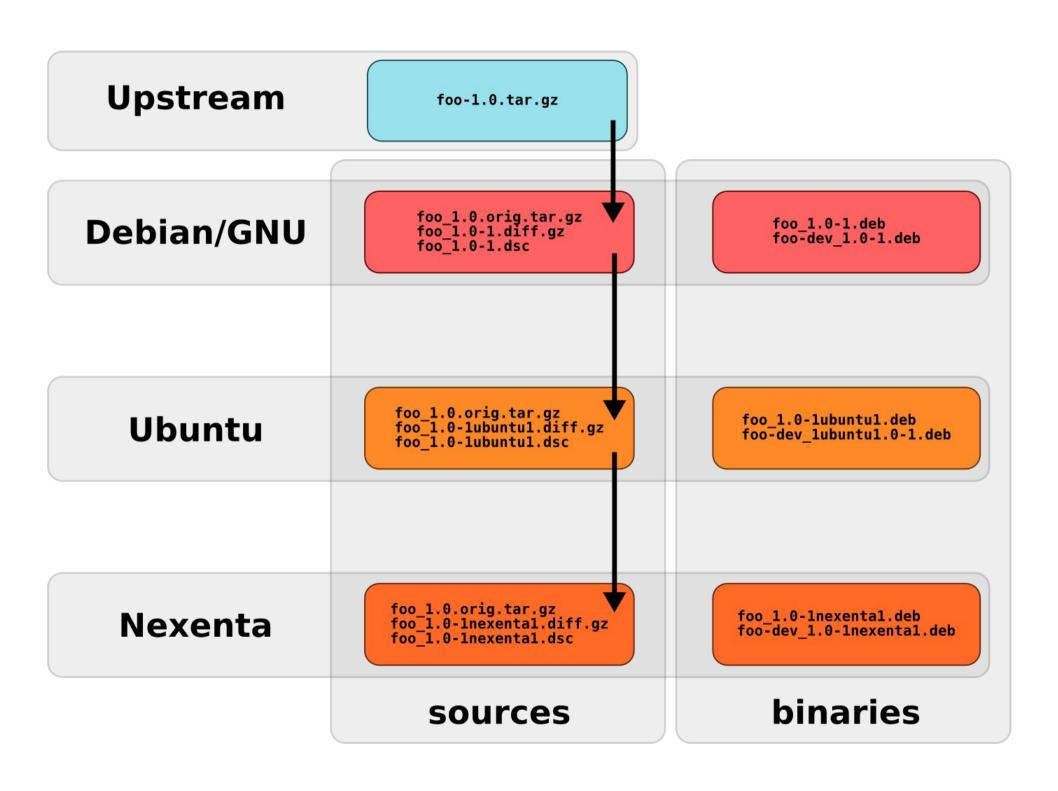


Repository components

main contains free and supported software

restricted contains non-free but supported software

universe / multiverse contain
free / non-free and unsupported software



DEMO 1

What Personality do I have?

Compatibility with OpenSolaris and Ubuntu

commandline compatibility
what is my **ps**, **ifconfig**, **ls**, **ed**, **awk**, ...
which package contains **grep**, ...
(how to adjust Build-Depends)
what **compiler/linker** should I use?

The Toolchain

GNU (gcc, ld, as)

or

Sun (cc, ld, as)

or

even some other combination

ONNV compilation

undocumented Build-Depends not componentized, see also WOS contains packages conflicting with Ubuntu (hal, glib, ...)

(compare with XFree86 vs. Xorg)

Setting the expectations correctly

are we still alpha?

OpenSolaris community Debian/GNU community Ubuntu community

can they cooperate?

Getting people involved

Need to understand OpenSolaris as well as Debian/GNU and Ubuntu (Linux).

OpenSolaris needs more Murdocks

DEMO 2

Rebuilding Ubuntu packages under **Nexenta** with **BrandZ** and **ZFS**

Plans for the near Future

Launching http://nexenta.org (integration with launchpad.net, build processes, documentation, ...)

Releasing **Nexenta Core Platform 1.0** (having a stable platform, getting more people involved, more packages)

Nexenta Core Platform 1.0

ZFS Root/Boot support

Zones integrated with dpkg/apt-get BrandZ with preconfigured support for Debian/GNU and Ubuntu Linux

Stable Toolchain

Server/Storage software support

Looking ahead

more cooperation with opensolaris.org

Nexenta as official OpenSolaris port of Debian/GNU

Helping
to shape launchpad.net
to better support Ubuntu clones

Getting Involved

(coming soon)
http://nexenta.org
http://launchpad.net/nexenta

(for the time being)
http://www.gnusolaris.org

Questions and Answers

Thank you for your time.