

UFS+gjournal status
OpenSolaris VFS
ZFS status

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UFS+gjournal status

- stable and reliable AFAIK
- planned import to RELENG_6
- no sign of gjournal in sysinstall



VFS

- OpenSolaris VFS is so much simpler, nicer and cleaner...
- simpler locking, simpler refcounting
- no buffer cache, which is mostly a good thing, but complicated so many things
- thinking about VFS reimplementation?
you should look at OpenSolaris



ZFS status

- finally committed (yay)
- many bugs fixed, many performance improvements
- some nice additions, like jails support, startup/periodic scripts, communication with devd(8), root on ZFS
- mostly feature-complete (really)



ZFS work in progress

- support for extended attributes - finished, code in p4
- support for all architectures - almost complete; based on a global mutex



ZFS TODO

- better support for all archs (at least the ones where ZFS makes sense) - it's just a matter of 3-4 missing atomic operations
- iSCSI target daemon
- ZFS configuration at installation time – holding my breath for Ivan's SoC



ZFS TODO

- POSIX.1e ACLs – should be quite easy now that we have extattrs
- chflags(1) – so easy to implement, but waiting for SUN/Apple so we are compatible

Any takers?



ZFS remaining issues...



MEMORY HUNGER!



ZFS complains (my complains)

- users are really excited about ZFS, we can't let them down...
- ZFS is quite a nice addition for FreeBSD and Linux doesn't have it
- ZFS needs more maintainers, it's too big to be a one man show
- we need ZFS support in installer, we really do



The ZFS4FreeBSD project is looking for volunteers!

Do not hesitate to mail me at pjd@FreeBSD.org!

