

genvol: AFS data import pocketknife

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Migrating into AFS

- tar
- rsync
- cp -R
- What's missing?
 - ACLs
 - Mount Points
 - only rsync can skip files

genvol

- Written as a tool to test volume restores
- Emits a vos dump format volume from a directory tree

Using genvol

- `genvol [-verbose] [-norecurse] [-noxdev] [-setacl <ptsid ACLrights>+] [-skipnode <skippath>] [-name <volume name>] [-id <volume id>] [-time <dumptime>] -file <dumpfile> [-mountpoint <mountpoint>+]] -item <[files]>+`

Using genvol

- `norecurse`: Don't descend directories
- `noxdev`: Don't cross mount points
- `time`: whether to do a full or partial dump
- `item`: files or directories to be included
- `mountpoint`: give a relative path to a mountpoint (and omit any file or directory at that path)
- `skipnode`: don't include these file or directories

Using genvol

- `setacl`: a single ACL for the whole volume
- Uses existing pts user and group IDs.
 - Must be specified numerically.
 - e.g. -101 for `system:anyuser`

Using genvol

- `genvol -setacl 102 rlidwka 101 rl
-skipnode Downloads
-mountpoint Desktop/
asteelpix:#user.shadow.asteelpix
-name user.shadow -id 17985
-item /Users/shadow -file /tmp/dump`
- `genvol: wrote user.shadow to /tmp/
dump`

Enhancements

- Persist vnode numbers by marking with POSIX extended attributes
- Allow ACLs to be set per-directory (and for Auristor, per file)
- Allow ACLs to be written in an extended attribute

How do I get it?

- Ships with Auristor
- Talk to us otherwise

Questions?