Autofs in MacOSX Leopard

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Leopard Features

Leopard Features

- Move to Autofs from OpenSolaris

- Inherits Solaris automounter features

- Preserves MacOSX automounter features

- Adds some features

Legacy Automounter

- Legacy automounter based on NFS server & symbolic link model

- Not interoperable with Solaris or Linux environments

- New automounter from OpenSolaris provides compatibility

- Added back some features of the legacy automounter for backward compatibility

Automounter Compatibility

- Compatible with files, NIS & LDAP maps

  - MacOSX Leopard clients will share global namespace with Solaris & Linux clients

- Can use /net and /home

- Can share executable maps

New Daemon: Autofsd

- Mobile users can encounter different namespaces - master map can change

- Solaris users have to run automount command to re-sync

- MacOSX provides autofsd

  - Listens for network changes and runs automount automatically

Personalized Automounting

- Solaris automounter runs as superuser
  - Good for conventional NFS mounts
  - Bad for per-user mounts like SMB, AFP or Kerberized NFS
- MacOSX automounter daemon
  - Launched in user's session by launchd when needed - exits when idle
  - Runs with user's credentials

Executable Maps

- Supports Solaris executable maps

  - Accepts name as an argument

  - Returns location

- Leopard enhancement: readdir

  - If no args, map can return a list of names

Questions ?