



MacFUSE

(File System in User Space)

Demos and Thoughts by Ben Martin
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What is it?

- A FUSE-Compliant File System Implementation Mechanism for Mac OS X
- HUH???
- Basically MacFUSE allows the operating system to see certain objects as filesystems ... not impressed? Wait for the demos!



Who done it?

- Amit Singh (the guy who wrote Mac OS X Internals)
 - His slides on MacFUSE:
 - <http://osxbook.com/book/bonus/chapter11/macfuse/>
- The Linux and FreeBSD FUSE Developers
 - <http://fuse.sourceforge.net/>
- Google



Macs inside Google



SSHFS



- Mounts a filesystem over SSH
- Behaves pretty much just like an AFP mounted volume through “Go->Connect to Server” in the Finder
- Demo . . .



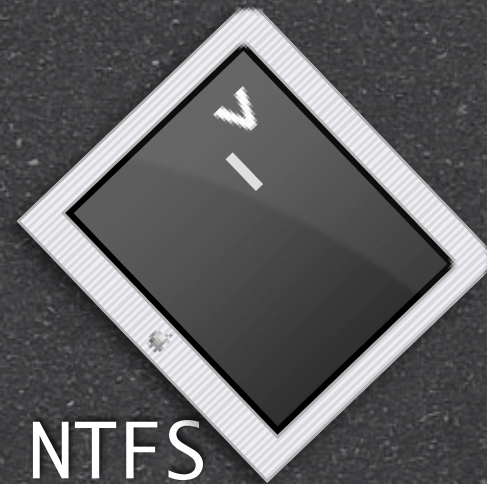
SpotLightFS



- Allows you to create smart folders easily!
- Works in Finder and with Command Line
- Pretty cool!
- Demo ...



ntfs-3g

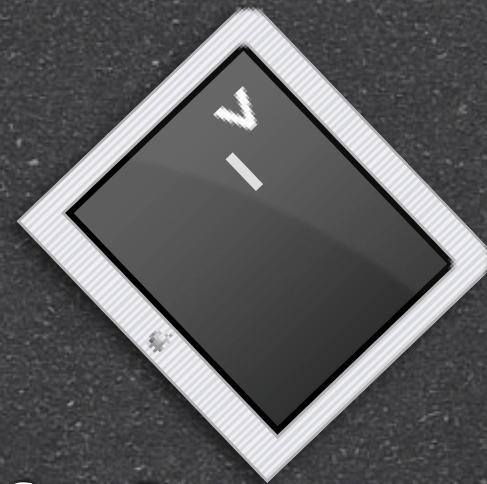


Allows a Mac to read+write to NTFS volumes

- Has not been OS X'tified by Singh yet (no package installer, not customized for OS X environment)
- You have to download and compile the FUSE module ... this can be a little daunting ... but I managed it



ntfs-3g (cont.)



- For the OS X environment ntfs-3g needs supplemental command line support ... after looking at the commands however I decided it would be easily scriptable ... and I threw together a script to help it out
- Demo ...



More Info



- Amit updates MacFUSE very regularly

- Check out the Google Project:

- <http://code.google.com/p/macfuse/>

- Life Hack was where they discussed the ntfs-3g problems

- <http://www.lifehack.org/articles/lifehack/how-to-read-and-write-ntfs-windows-partition-on-mac-os-x.html>





More Info Cont.

- Check out Amit Singh's own introductory video! A very good overview of how cool multiple filesystem object can be!
- <http://video.google.com/videoplay?docid=3138515991250095768>
- My ntfs-3g shell script will be posted along with my slides on our site



Questions?