

A tag based filesystem

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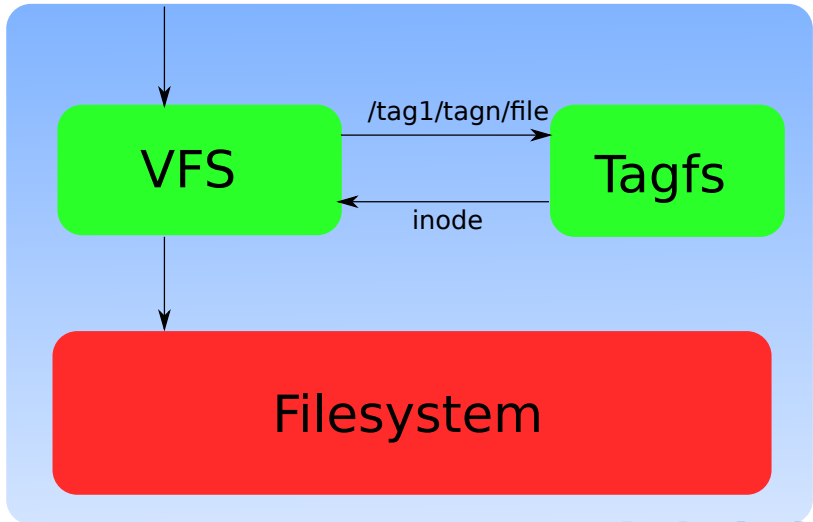
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Introduction

User space app for
browsing

Kernel module
or
VFS modification



- TagFS: Bringing Semantic Metadata to the Filesystem
 - <http://www.eswc2006.org/poster-papers/FP31-Schenk.pdf>
- Nepomuk
 - <http://nepomuk.semanticdesktop.org/xwiki/bin/view/Main1/Deliverables>
- Keywords: metadata, database

Current status

- Studied related work
- Stated expected behaviour
 - Picture or a couple of cmds output
- Identified pros and cons for the two possible solutions
 - maybe listing a couple of + - for every solution, maybe we can make 2 slides out of this

- Ubuntu 10.10:
 - freeware source code is free for all and can be modified to suite demands
 - latest kernel version - 2.6.35
 - stable workspace
- GCC 4.4.5:
 - latest C compiler
 - freeware
- Eclipse IDE

- FUSE Filesystem in USErspace
 - implement fully functional filesystem in a userspace program
 - piece of code that communicates with the kernel as a filesystem would
 - runs on Linux kernels 2.4.X and 2.6.X
 - libfuse - <http://fuse.sourceforge.net/>
- C programming language

- Determine if VFS implementation is feasible
- Data organization
- Start coding