



Ubuntu

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A tag-based filesystem for ubuntu

Registered by [Alvise Trevisan](#) on 2007-11-09

It would be great if a tag-based filesystem (maybe over FUSE) could be implemented. For example, in my work I have to consult a great number of papers, stored as PDF documents. Obviously I do not remember the names of all of them by heart, so keeping them in just one directory is not possible (it would take hours each time I want a particular paper). However, it is very hard to keep them separated in directories, since most of the papers do not belong to exactly one category: when I have to look for a particular document, I always have to try several directories before finding the right one. If I could easily tag them and easily find them via command line, I would save huge amounts of time. I would pay for such a thing (and many other people would)!!!

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Blueprint information

Status:

Not started

Approver:

None

Related branches**Priority:**

Undefined

Drafter:

None

Related bugs

[Bug #133417: Need a way to tag](#) **Confirmed**
[Files in Nautilus using Tracker](#)

Direction:

Needs approval

Assignee:

None

Sprints**Definition:****New****Series goal:**Proposed for [jaunty](#)**Implementation:**

Unknown

Milestone target:

None

Started by**Completed by**

Whiteboard

Collected related links

(base list copied from <http://nascent.freeshell.org/programming/TagFS/>)

TagFS - "Tag Semantics for Hierarchical File Systems"

paper by Stephan Bloehdorn and Max Völkel, 2006

<http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.60.4187>

dhtfs - "Tagging based filesystem, providing dynamic directory hierarchies based on tags associated with files"

a usable implementation, last release 2007

<http://code.google.com/p/dhtfs/>

Tagsistant - "A reasoning semantic filesystem for Linux and BSD"
project under active development
<http://www.tagsistant.net/>

Leaftag - "Tagging for the Linux desktop"
another implementation, last release 2006
<http://www.chipx86.com/w/index.php/Leaftag>

Cluug -- former Gnowsis project
commercial(?), currently in closed alpha program
<http://www.gnowsis.com/about/content/product>

Defunct/dead links for reference:

Apple's Spotlight
<http://www.apple.com/macosx/features/spotlight/>

Delicious Style File Tagging/Tagfs Perl Script
<http://blueslugs.com/wordpress/index.php/archives/2005/07/12/tag1-delicious-style-file-tagging/>

Openomy
<http://www.openomy.com/>

SemFS (formerly TagFS) - "a semantic file system to be used under Linux as a user level file system via FUSE"

Universität Koblenz Landau

<http://www.uni-koblenz.de/FB4/Institutes/IFI/AGStaab/Research/SemFS/>
<http://www.uni-koblenz.de/FB4/Institutes/IFI/AGStaab/Research/TagFS/>

Student Project "Gnowsis"
<http://www.gnowsis.org/>

Labelfs
<http://code.google.com/p/labelfs/>

Work Items

Nearby

» [Other Jaunty blueprints](#)



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