

FreeNAS - Feature #24353

Indexing Service

06/04/2017 05:59 AM - Ice BoosteR

Status:	Closed	Estimated time:	24.00 hours
Priority:	Nice to have		
Assignee:	Andrew Walker		
Category:	Services		
Target version:	N/A		
Severity:	Low	Needs Merging:	Yes
Reason for Closing:	Not to be fixed	Needs Automation:	No
Reason for Blocked:		Support Suite Ticket:	n/a
Needs QA:	Yes	Hardware Configuration:	Xeon E3-1225v3 24GB DDR3 ECC memory 4 WD red drives
Needs Doc:	Yes		

Description

Hello guys,

I would really like to see an indexing service in FreeNAS, which is collecting the metadata of my stored files in a little database and I can use the data through the windows SMB share.

You could add a button in the "services" bar for that and give them the following options:

- database location
- datasets/pools which should be scanned
- list of file extensions or pattern which should be indexed
- time where the process starts and end with indexing (batchjob)
- specify if the job should go to idle if there is user activity

Maybe this database could be stored to an USB Stick or SSD (new pool) or in the jails location...

Reason: I have lot of tagged photos and when I am searching for special photos with the tag "winter" the NAS need forever.

Related issues:

Related to FreeNAS - Feature #25305: Add Diskover for disk-usage visualisatio...	Closed
Is duplicate of FreeNAS - Feature #26619: Share file indexing service	Closed: Duplicate 12/2017
Has duplicate FreeNAS - Feature #18124: Spotlight indexing for macOS clients ...	Closed

History

#1 - 06/08/2017 05:57 AM - John Hixson

- Status changed from Unscreened to Screened

#2 - 06/12/2017 04:17 PM - an odos

Just an FYI, there are some patches for Samba that enable it to speak MS-WSP (windows search protocol). It requires sysutils/tracker like Samba's spotlight support. <https://lists.samba.org/archive/samba-technical/2017-January/117990.html>

The samba46 port installs with the "--with-spotlight" option.

```
root@TESTERER:/usr # smbd -b
<snip>
--with Options:
  WITH_ADS
  WITH_AUTOMOUNT
  WITH_DNS_UPDATES
  WITH_PAM
  WITH_PAM_MODULES
  WITH_PTHREADPOOL
```

```
WITH_QUOTAS
WITH_SENDFILE
WITH_SPOTLIGHT
WITH_SYSLOG
WITH_WINBIND
```

So there's that. I haven't had time to look into the required config goo (i.e. the actual hard stuff). At some point in the future, this feature will enable spotlight for MacOS (that's some apple protocol tunneled over SMB, right?) and WSP support for windows clients. I believe the latter is very much a WIP, but the former would be great to have in FreeNAS. The topic of indexing files / metadata comes up fairly regularly in the forums. This would be a very nice feature to have.

#3 - 06/14/2017 07:04 PM - John Hixson

I attempted this a year or two back. I was **this** close (for spotlight working). I stopped when the dependency list got really large and started pulling in things like X and cairo. I will revisit this again when I have some time **hahahahaha**. I will also investigate these samba patches that that speak MS-WSP. If such patches exist, I am curious why they are not in upstream as we should definitely work with the samba team to get them into a state where they will accept them.

#4 - 06/15/2017 03:57 AM - an odos

John Hixson wrote:

I attempted this a year or two back. I was **this** close (for spotlight working). I stopped when the dependency list got really large and started pulling in things like X and cairo.

Well, I'll admit I omitted that "minor" detail in my comment. :-). As things stand right now, tracker has a pretty ridiculously large dependency list.

#5 - 06/15/2017 01:00 PM - an odos

- File pkg info output from jail.txt added

Attached "pkg info" output from jail on FreeNAS system after building sysutils/tracker and net/samba46 "--with-spotlight" from ports. It's pretty long.

#root@TESTERER:/usr/home/awalker # pkg info [ShowHide](#)

```
adwaita-icon-theme-3.22.0      GNOME Symbolic Icons
apr-1.5.2.1.5.4_2             Apache Portability Library
argyllcms-1.9.2_1             ICC compatible color management system
at-spi2-atk-2.24.0            Assisted Technology Provider module for GTK+
at-spi2-core-2.24.0          Assistive Technology Service Provider Interface
atk-2.24.0                    GNOME accessibility toolkit (ATK)
autoconf-2.69_1              Automatically configure source code on many Un*x platforms
autoconf-wrapper-20131203    Wrapper script for GNU autoconf
automake-1.15_1              GNU Standards-compliant Makefile generator
```

automake-wrapper-20131203	Wrapper script for GNU automake
avahi-app-0.6.31_5	Service discovery on a local network
bash-4.4.12_2	GNU Project's Bourne Again SHell
bdf2pcf-1.0.5	Convert X font from BDF to PCF
bigreqsproto-1.1.2	BigReqs extension headers
binutils-2.28.1	GNU binary tools
bison-3.0.4,1	Parser generator from FSF, (mostly) compatible with Yacc
boehm-gc-7.6.0	Garbage collection and memory leak detection for C and C++
ca_root_nss-3.30.2	Root certificate bundle from the Mozilla Project
cairo-1.14.8_1,2	Vector graphics library with cross-device output support
cantarell-fonts-0.0.25	Cantarell, a Humanist sans-serif font family
check-0.11.0	Unit test framework for C
cmake-3.8.0	Cross-platform Makefile generator
cmake-modules-3.8.0	Modules and Templates for CMake
colord-1.2.12	Manage color profiles to accurately color input/output devices
compositeproto-0.4.2	Composite extension headers
consolekit-0.4.5_4	Framework for defining and tracking users
cups-2.2.3	Common UNIX Printing System
curl-7.54.0	Non-interactive tool to get files from FTP, GOPHER, HTTP(S) servers
cvsp-2.1_2	Create patchset information from CVS
damageproto-1.2.1	Damage extension headers
db5-5.3.28_6	Oracle Berkeley DB, revision 5.3
dbus-1.10.16_1	Message bus system for inter-application communication
dbus-glib-0.108	Glib bindings for the D-BUS messaging system
dconf-0.24.0_1	Configuration database system for GNOME
dejavu-2.37	Bitstream Vera Fonts clone with a wider range of characters
desktop-file-utils-0.23	Couple of command line utilities for working with desktop entries
dialog4ports-0.1.6	Console Interface to configure ports
dmidecode-3.1	Tool for dumping DMI (SMBIOS) contents in human-readable format
docbook-1.5	Meta-port for the different versions of the DocBook DTD
docbook-sgml-4.5_1	DocBook SGML DTD
docbook-xml-5.0_3	DocBook XML DTD
docbook-xsl-1.76.1_3	XSL DocBook stylesheets
dri2proto-2.8	DRI2 prototype headers
dri3proto-1.0	DRI3 prototype headers
e2fsprogs-libuuid-1.43.4	UUID library from e2fsprogs package
encodings-1.0.4_3,1	X.Org Encoding fonts
exempi-2.2.2_1	Port of Adobe XMP SDK to work on UNIX
expat-2.2.0_1	XML 1.0 parser written in C
fixesproto-5.0	Fixes extension headers
font-bh-ttf-1.0.3_3	X.Org Bigelow & Holmes TTF font
font-misc-ethiopic-1.0.3_3	X.Org miscellaneous Ethiopic font
font-misc-meltho-1.0.3_3	X.Org miscellaneous Meltho font
font-util-1.3.1	Create an index of X font files in a directory
fontcacheproto-0.1.3	Fontcache extension headers
fontconfig-2.12.1,1	XML-based font configuration API for X Windows
fontsp-2.1.3,1	Fonts extension headers
freetype2-2.8	Free and portable TrueType font rendering engine
gamin-0.1.10_9	File and directory monitoring system
gdbm-1.13	GNU database manager
gdk-pixbuf2-2.36.6	Graphic library for GTK+
getopt-1.1.6	Replacement for getopt(1) that supports GNU-style long options
gettext-runtime-0.19.8.1_1	GNU gettext runtime libraries and programs
gettext-tools-0.19.8.1	GNU gettext development and translation tools
git-2.13.0	Distributed source code management tool
glib-2.50.2_2,1	Some useful routines of C programming (current stable version)
glib-networking-2.50.0	Network-related glib modules for glib
glproto-1.4.17	GLX extension headers
gmake-4.2.1_1	GNU version of 'make' utility
gmime26-2.6.23	Library (written in C) for parsing and creating messages using MIME
gmp-6.1.2	Free library for arbitrary precision arithmetic
gnome_subr-1.0	Common startup and shutdown subroutines used by GNOME scripts
gnupg-2.1.21_1	The GNU Privacy Guard (modern version)
gnutls-3.5.13	GNU Transport Layer Security library
gobject-introspection-1.50.0,1	Generate interface introspection data for GObject libraries
gp-1.9.0	Library to make access to GnuPG easier
graphite2-1.3.10	Rendering capabilities for complex non-Roman writing systems
gsettings-desktop-schemas-3.18.1	Collection of globally shared GSetting schemas
gst-1.8.0_2	Media applications framework
gst-1.8.0_3	GStreamer written collection of plugins handling several media types
gtk-doc-1.25	Code documentation system, originally for GTK+
gtk-update-icon-cache-2.24.29	Gtk-update-icon-cache utility from the Gtk+ toolkit
gtk3-3.22.15	Gimp Toolkit for X11 GUI (current stable version)
hal-0.5.14_31	Hardware Abstraction Layer for simplifying device access
harfbuzz-1.4.6_1	OpenType text shaping engine

help2man-1.47.4	Automatically generating simple manual pages from program output
hicolor-icon-theme-0.15	High-color icon theme shell from the FreeDesktop project
html2text-1.3.2a	Converts HTML documents into plain text
icu-58.2_2,1	International Components for Unicode (from IBM)
indexinfo-0.2.6	Utility to regenerate the GNU info page index
inputproto-2.3.2	Input extension headers
intltool-0.51.0_1	Tools to internationalize various kinds of data files
iso-codes-3.75	Lists of the country, language, and currency iso names
iso8879-1986_3	Character entity sets from ISO 8879:1986 (SGML)
itstool-2.0.2_1	Make XML documents translatable through po files
jade-1.2.1_10	Object-oriented SGML/XML parser toolkit and DSSSL engine
jam-2.6	Build utility like make(1)
jasper-1.900.1_17	Implementation of the codec specified in the JPEG-2000 standard
jbigkit-2.1_1	Lossless compression for bi-level images such as scanned pages, faxes
jpeg-turbo-1.5.1	SIMD-accelerated JPEG codec which replaces libjpeg
jsoncpp-1.8.0_2	JSON reader and writer library for C++
kbproto-1.0.7	KB extension headers
lcms2-2.8	Accurate, fast, and small-footprint color management engine
ldb-1.1.29_1	LDAP-like embedded database
libICE-1.0.9_1,1	Inter Client Exchange library for X11
libSM-1.2.2_3,1	Session Management library for X11
libX11-1.6.5,1	X11 library
libXScrnSaver-1.2.2_3	The XScrnSaver library
libXau-1.0.8_3	Authentication Protocol library for X11
libXcomposite-0.4.4_3,1	X Composite extension library
libXcursor-1.1.14_3	X client-side cursor loading library
libXdamage-1.1.4_3	X Damage extension library
libXdmcp-1.1.2	X Display Manager Control Protocol library
libXext-1.3.3_1,1	X11 Extension library
libXfixes-5.0.3	X Fixes extension library
libXfont-1.5.2,2	X font library
libXfontcache-1.0.5_3	The Xfontcache library
libXft-2.3.2_1	Client-sided font API for X applications
libXi-1.7.9,1	X Input extension library
libXinerama-1.1.3_3,1	X11 Xinerama library
libXmu-1.1.2_3,1	X Miscellaneous Utilities libraries
libXrandr-1.5.1	X Resize and Rotate extension library
libXrender-0.9.10	X Render extension library
libXt-1.1.5,1	X Toolkit library
libXtst-1.2.3	X Test extension
libXxf86vm-1.1.4_1	X Vidmode Extension
libarchive-3.3.1,1	Library to create and read several streaming archive formats
libassuan-2.4.3	IPC library used by GnuPG and gpgme
libatomic_ops-7.4.6	Atomic operations access library
libdaemon-0.14_1	Lightweight C library that eases the writing of UNIX daemons
libdrm-2.4.81,1	Userspace interface to kernel Direct Rendering Module services
libedit-3.1.20170329_2,1	Command line editor library
libepoxy-1.3.1_1	Library to handle OpenGL function pointer management
libffi-3.2.1	Foreign Function Interface
libfontenc-1.1.3_1	The fontenc Library
libgcrypt-1.7.6	General purpose crypto library based on code used in GnuPG
libgpg-error-1.27	Common error values for all GnuPG components
libgsf-1.14.41	Extensible I/O abstraction for dealing with structured file formats
libgxps-0.2.3.2	GOBJECT based library for rendering XPS documents
libiconv-1.14_10	Character set conversion library
libidn2-2.0.2	Implementation of IDNA2008 internationalized domain names
libinotify-20160505	Kevent based inotify compatible library
libksba-1.3.5	KSBA is an X.509 Library
libltdl-2.4.6	System independent dlopen wrapper
liblz4-1.7.5,1	LZ4 compression library, lossless and very fast
libmediaart-1.9.1	Library for handling media art
libnghttp2-1.23.1	HTTP/2.0 C Library
libpaper-1.1.24.4	Library providing routines for paper size management
libpciaccess-0.13.5	Generic PCI access library
libproxy-0.4.12	Library that provides automatic proxy configuration management
libpthread-stubs-0.4	This library provides weak aliases for pthread functions
libsoup-2.52.2	SOAP (Simple Object Access Protocol) implementation in C
libsoup-gnome-2.52.2	SOAP (Simple Object Access Protocol) implementation in C
libsunacl-1.0	Wrapper providing SunOS NFSv4 ACL API
libtasn1-4.12	ASN.1 structure parser library
libtool-2.4.6	Generic shared library support script
libunistring-0.9.7	Unicode string library
libunwind-20170113	Generic stack unwinding library
libuv-1.12.0	Multi-platform support library with a focus on asynchronous I/O
libvolume_id-0.81.1	Library to provide file system type information

libwmf-0.2.8.4_15	Tools and library for converting Microsoft WMF (windows metafile)
libxcb-1.12_2	The X protocol C-language Binding (XCB) library
libxml2-2.9.4	XML parser library for GNOME
libxshmfence-1.2_1	Shared memory 'SyncFence' synchronization primitive
libxslt-1.1.29_1	The XSLT C library for GNOME
llvm40-4.0.1.r1_5	LLVM and Clang
lua52-5.2.4	Small, compilable scripting language providing easy access to C code
lzo2-2.10_1	Portable speedy, lossless data compression library
m4-1.4.18,1	GNU M4
mesa-libs-17.1.1	OpenGL libraries that support GLX and EGL clients
minixmlto-0.0.2_1	Minimalistic alternative to xmlto
mkfontdir-1.0.7	Create an index of X font files in a directory
mkfontscale-1.1.2	Creates an index of scalable font files for X
mpfr-3.1.5_1	Library for multiple-precision floating-point computations
nasm-2.11.08_1,1	General-purpose multi-platform x86 and amd64 assembler
nettle-3.3	Low-level cryptographic library
ninja-1.7.2,2	Ninja is a small build system closest in spirit to Make
npth-1.4	New GNU Portable Threads
nspr-4.15	Platform-neutral API for system level and libc like functions
nss-3.31	Libraries to support development of security-enabled applications
o3read-0.0.4	Standalone converter for the OpenOffice.org writer and scalc formats
openjpeg-2.1.2_1	Open-source JPEG 2000 codec
opendap-client-2.4.45	Open source LDAP client implementation
orc-0.4.25	Library and toolset to operate arrays of data
p11-kit-0.23.7	Library for loading and enumerating of PKCS#11 modules
p5-Authen-SASL-2.16_1	Perl5 module for SASL authentication
p5-Digest-HMAC-1.03_1	Perl5 interface to HMAC Message-Digest Algorithms
p5-Error-0.17024	Error/exception handling in object-oriented programming style
p5-GSSAPI-0.28_1	Perl extension providing access to the GSSAPIv2 library
p5-IO-Socket-IP-0.39	Drop-in replacement for IO::Socket::INET supporting IPv4 and IPv6
p5-IO-Socket-SSL-2.044	Perl5 interface to SSL sockets
p5-Locale-gettext-1.07	Message handling functions
p5-Mozilla-CA-20160104	Perl extension for Mozilla CA cert bundle in PEM format
p5-Net-SMTP-SSL-1.04	SSL support for Net::SMTP
p5-Net-SSLeay-1.81	Perl5 interface to SSL
p5-Parse-Yapp-1.05_2	Perl extension for generating and using LALR parsers
p5-Socket-2.024	Networking constants and support functions
p5-XML-Parser-2.44	Perl extension interface to James Clark's XML parser, expat
pango-1.40.6	Open-source framework for the layout and rendering of il8n text
pciids-20170525	Database of all known IDs used in PCI devices
pcre-8.40	Perl Compatible Regular Expressions library
perl5-5.24.1_1	Practical Extraction and Report Language
pinentry-1.0.0_2	Collection of simple PIN or passphrase entry dialogs
pinentry-tty-1.0.0	Console version of the GnuPG password dialog
pixman-0.34.0	Low-level pixel manipulation library
pkg-1.10.1	Package manager
pkgconf-1.3.7,1	Utility to help to configure compiler and linker flags
png-1.6.29	Library for manipulating PNG images
policykit-0.9_10	Framework for controlling access to system-wide components
polkit-0.113_5	Framework for controlling access to system-wide components
poppler-0.50.0	PDF rendering library
poppler-data-0.4.7	Poppler encoding data
poppler-glib-0.50.0	GLib bindings to poppler
poppler-utils-0.50.0_1	Poppler's xpdf-workalike command line utilities
popt-1.16_2	Getopt(3) like library with a number of enhancements, from Redhat
presentproto-1.1	Present protocol specification
py27-Babel-2.3.4	Collection of tools for internationalizing Python applications
py27-Jinja2-2.9.5	Fast and easy to use stand-alone template engine
py27-MarkupSafe-1.0	Implements XML/HTML/XHTML Markup safe string for Python
py27-alabaster-0.7.6	Modified Kr Sphinx theme
py27-dnspython-1.15.0	DNS toolkit for Python
py27-docutils-0.13.1	Python Documentation Utilities
py27-enum34-1.1.6	Python 3.4 Enum backported to 3.3, 3.2, 3.1, 2.7
py27-imagesize-0.7.1	Python image size library
py27-iso8601-0.1.11	Simple module to parse ISO 8601 dates
py27-libxml2-2.9.4	Python interface for XML parser library for GNOME
py27-pygments-2.2.0	Syntax highlighter written in Python
py27-pystemmer-1.3.0_1	Snowball Stemming Algorithms for Information Retrieval
py27-pytz-2016.10,1	World Timezone Definitions for Python
py27-setuptools-32.1.0_1	Python packages installer
py27-six-1.10.0	Python 2 and 3 compatibility utilities
py27-snowballstemmer-1.2.0_1	Snowball stemming library collection for Python
py27-sphinx-1.4.8,1	Python documentation generator
py27-sphinx_rtd_theme-0.2.4	Mobile-friendly py-sphinx theme
python-2.7_3,2	"meta-port" for the default version of Python interpreter

python2-2_3	The "meta-port" for version 2 of the Python interpreter
python27-2.7.13_3	Interpreted object-oriented programming language
python3-3_3	The "meta-port" for version 3 of the Python interpreter
python36-3.6.1_2	Interpreted object-oriented programming language
randrproto-1.5.0	Randr extension headers
raptor-1.4.21_6	RDF Parser Toolkit for Redland
rarian-0.8.1_4	OMF help system based on the Freedesktop specification
recordproto-1.14.2	RECORD extension headers
renderproto-0.11.1	RenderProto protocol headers
rest-0.7.93	Easy access to RESTful web services
rhash-1.3.4	Utility and library for computing and checking of file hashes
samba46-4.6.4	Free SMB/CIFS and AD/DC server and client for Unix
scons-2.5.1_1	Build tool alternative to make
scrnsaverproto-1.2.2	Scrnsaver extension headers
sdocbook-xml-1.1_2,2	"Simplified" DocBook XML DTD
serf-1.3.9_1	Serf HTTP client library
shared-mime-info-1.8	MIME types database from the freedesktop.org project
spidermonkey170-17.0.0_6	Standalone JavaScript based from Mozilla 17-esr
sqlite3-3.19.2	SQL database engine in a C library
subversion-1.9.5	Version control system
swig30-3.0.12	Generate wrappers for calling C/C++ code from other languages
talloc-2.1.9	Hierarchical pool based memory allocator
tdb-1.3.12,1	Trivial Database
tevent-0.9.31	Talloc based event loop library
tiff-4.0.8	Tools and library routines for working with TIFF images
tpm-emulator-0.7.4_2	Trusted Platform Module (TPM) emulator
tracker-1.6.1_8	Object database, tag/metadata database, search tool and indexer
trousers-0.3.14_1	Open-source TCG Software Stack
v4l_compat-1.6.3	Video4Linux IOCTL header files
vala-0.30.2	Programming language and compiler that converts Vala code into C code
w3m-0.5.3.20170102	Pager/text-based WWW browser
wv-1.2.9_4	Library and executables to access Microsoft Word files
xcb-protocol-1.12	The X protocol C-language Binding (XCB) protocol
xcb-util-0.4.0_2,1	Module with libxcb/libX11 extension/replacement libraries
xcb-util-renderutil-0.3.9_1	Convenience functions for the Render extension
xcmiscproto-1.2.2	XCMisc extension headers
xdg-utils-1.1.1	Tools to allow all applications to integrate with the free desktop
xextproto-7.3.0	XExt extension headers
xf86bigfontproto-1.2.0	XFree86-Bigfont extension headers
xf86vidmodeproto-2.3.1	XFree86-VidModeExtension extension headers
xineramaproto-1.2.1	Xinerama extension headers
xmlcatmgr-2.2_2	SGML and XML catalog manager
xmlcharent-0.3_2	XML character entities
xorg-fonts-truetype-7.7_1	X.Org TrueType fonts
xorg-macros-1.19.1	X.Org development alocal macros
xprop-1.2.2	Property displayer for X
xproto-7.0.31	X11 protocol headers
xset-1.2.3_1	User preference utility for X
xtrans-1.3.5	Abstract network code for X
zip-3.0_1	Create/update ZIP files compatible with PKZIP

#6 - 06/15/2017 01:07 PM - an odos

- File deleted (pkg info output from jail.txt)

#7 - 06/15/2017 01:49 PM - John Hixson

- Target version changed from 11.0-U1 to 49

Yeah, that is way to much bloat for this feature. I just can't do it ;-) I have no problem with an indexing service, but this just isn't realistic. When I do have some time I will further investigate other ways to do this, possibly even our own.

#8 - 06/15/2017 03:23 PM - an odos

John Hixson wrote:

Yeah, that is way to much bloat for this feature. I just can't do it ;-) I have no problem with an indexing service, but this just isn't realistic. When I do have some time I will further investigate other ways to do this, possibly even our own.

Understood, by the time you install all the dependencies you'll have turned FreeNAS into "PCBSD-lite". There is definitely interest in Spotlight / WSP support, and a proper indexing service. Quite a few users do things client-side, which is rather inefficient.

#9 - 06/18/2017 03:48 PM - Ice BoosteR

an odos wrote:

Understood, by the time you install all the dependencies you'll have turned FreeNAS into "PCBSD-lite". There is definitely interest in Spotlight / WSP support, and a proper indexing service. Quite a few users do things client-side, which is rather inefficient.

Oh well, that quite a long list of dependencys. Did not see that coming. I would really like to see that feature, and it would defenetly beeing a huge benefit if this could be implemented. Maybe the Samba-team will manage to get a more lightweight version for this.

And yes, I have seen users who have mapped their network shares as internal drive, to let Windows do his indexing stuff, which is very inefficent. Just think about the bunch of users in the enterprise area, thousands of word documents and excel sheets, and then searching the "ONE", which takes some time... ;)

#10 - 06/19/2017 02:57 PM - an odos

Ice BoosteR wrote:

an odos wrote:

Understood, by the time you install all the dependencies you'll have turned FreeNAS into "PCBSD-lite". There is definitely interest in Spotlight / WSP support, and a proper indexing service. Quite a few users do things client-side, which is rather inefficient.

Oh well, that quite a long list of dependencies. Did not see that coming. I would really like to see that feature, and it would definitely be a huge benefit if this could be implemented. Maybe the Samba-team will manage to get a more lightweight version for this.

And yes, I have seen users who have mapped their network shares as internal drive, to let Windows do its indexing stuff, which is very inefficient.

Just think about the bunch of users in the enterprise area, thousands of word documents and excel sheets, and then searching the "ONE", which takes some time... ;)

Well, the true list of dependencies may be somewhat smaller. I basically held down the 'enter' key while installing samba and tracker. The indexing application needs to be able to read and index metadata/data from various media and document file-types, and provide thumbnails (in a desktop context). Tracker itself is supposedly fairly lightweight (it's designed to work on mobile devices), but it is also a part of the freedesktop project and for this reason and the aforementioned problem pulls in a lot of dependencies.

On the other hand, developing something to take its place (and provide spotlight / WSP support) seems like a fairly massive undertaking. The samba project primarily focuses on implementing SMB / AD on Unix. Once upon a time they also made a Samba web-frontend (SWAT), but later realized that this was a bad idea because it lay outside their field of expertise and was a distraction (and so SWAT was swatted). This is the same sort of situation with regard to indexing. They'll probably prefer to let other software projects handle it.

#11 - 06/20/2017 12:00 PM - John Hixson

an odos wrote:

Ice BoosteR wrote:

an odos wrote:

Understood, by the time you install all the dependencies you'll have turned FreeNAS into "PCBSD-lite". There is definitely interest in Spotlight / WSP support, and a proper indexing service. Quite a few users do things client-side, which is rather inefficient.

Oh well, that quite a long list of dependencies. Did not see that coming. I would really like to see that feature, and it would definitely be a huge benefit if this could be implemented. Maybe the Samba-team will manage to get a more lightweight version for this.

And yes, I have seen users who have mapped their network shares as internal drive, to let Windows do its indexing stuff, which is very inefficient.

Just think about the bunch of users in the enterprise area, thousands of word documents and excel sheets, and then searching the "ONE", which takes some time... ;)

Well, the true list of dependencies may be somewhat smaller. I basically held down the 'enter' key while installing samba and tracker. The indexing application needs to be able to read and index metadata/data from various media and document file-types, and provide thumbnails (in a desktop context). Tracker itself is supposedly fairly lightweight (it's designed to work on mobile devices), but it is also a part of the freedesktop project and for this reason and the aforementioned problem pulls in a lot of dependencies.

On the other hand, developing something to take its place (and provide spotlight / WSP support) seems like a fairly massive undertaking. The samba project primarily focuses on implementing SMB / AD on Unix. Once upon a time they also made a Samba web-frontend (SWAT), but later realized that this was a bad idea because it lay outside their field of expertise and was a distraction (and so SWAT was swatted). This is the same sort of situation with regard to indexing. They'll probably prefer to let other software projects handle it.

You do have a point here. When I originally did this work, I did not distinguish between run depends vs build depends. I should revisit this to see. If all this crap is just for building but not necessary to run, I won't have a problem adding it.

#12 - 07/17/2017 05:46 PM - John Hixson

- Target version changed from 49 to 11.2-BETA1

#13 - 11/13/2017 12:57 PM - Dru Lavigne

- Is duplicate of Feature #26619: Share file indexing service added

#14 - 11/13/2017 12:58 PM - Dru Lavigne

- Status changed from Screened to Closed: Duplicate

#15 - 11/13/2017 12:59 PM - Dru Lavigne

- Related to Feature #25305: Add Diskover for disk-usage visualisation and indexed search added

#16 - 11/13/2017 01:00 PM - Dru Lavigne

- Status changed from Closed: Duplicate to Screened

#17 - 12/21/2017 06:09 AM - Kris Moore

- Target version changed from 11.2-BETA1 to 11.3

#18 - 01/29/2018 07:33 AM - Kris Moore

- Status changed from Screened to Not Started

#19 - 03/28/2018 11:23 PM - John Hixson

- Assignee changed from John Hixson to Timur Bakeyev

#20 - 04/27/2018 11:32 AM - Ben Gadd

- Target version changed from 11.3 to Backlog

#21 - 05/17/2018 01:09 PM - Ben Gadd

- Severity set to New

#22 - 06/13/2018 10:57 AM - John Hixson

- Assignee changed from Timur Bakeyev to John Hixson

#23 - 07/12/2018 03:28 PM - John Hixson

- Category changed from OS to Services

#25 - 07/26/2018 12:15 PM - John Hixson

- Severity changed from New to Low

#26 - 10/15/2018 10:13 AM - Dru Lavigne

- Assignee changed from John Hixson to William Grzybowski

#27 - 10/17/2018 09:55 AM - William Grzybowski

- Has duplicate Feature #18124: Spotlight indexing for macOS clients in SMB added

#28 - 10/17/2018 11:12 AM - William Grzybowski

- Assignee changed from William Grzybowski to Andrew Walker

#30 - 11/06/2018 11:49 AM - Dru Lavigne

- Status changed from Not Started to Closed

- Target version changed from Backlog to N/A

- Reason for Closing set to Not to be fixed

Ice: thanks for the feature request. We're closing the ticket for now as it will be another year or so before we have the resources to put this on the roadmap--this is a large feature which would require us writing a lot of code. In the meantime, if you hear that Samba will provide more hooks on their roadmap, please let us know!