



The Semantic Desktop KDE(4) Style

- Status of things
- Mockups of the future



Presentation Tags

Tagging nicely page version.pdf
folders performs important first ratings like
bookmarks times tagging searched types recently later rating seen way
resources comment worse list name
text tags see annotated search used Files
annotated local improvement nco:Website
virtual underlying something
view default Akonadi provides
content shared indexes Later instead
Search filenames contents obscure
GUI music filled good best
hidden optional sentence annotate Web
create new powerful example many document page's
ontology editor properties compare Virtual



Tags Everywhere

ISPEI

NOKIA
Connecting People

Mass Tagging

food for tags

Interactivity Talks BoFs Marathon Konqi Technology Be Pilars DeNayer Open Free 9-15 Au Communication Discover Family Party Planet Developers 2008 Community Beer Embedded Akademie2008 Akademie2008 Akademie2008

Akonadi Translators

many-to-many

tagging

aKademy 2008

Team Waffles Freedom Mechelen Coding Kate Oxygen Frites Boattrip Education

International Conference Innovations Environment People Desktop Applications Develop Sint-Katelijne-Waver Contributors

KDE Belgium 4.1

Configure the

select some tags

get all mapped param

Akademie 2008



Tagging and Rating in KDE 4

The screenshot illustrates the integration of Nepomuk's semantic desktop features into the KDE 4 desktop environment. It shows three windows:

- Gwenview**: A file viewer window showing a thumbnail of "dolphin2.png". The thumbnail has a 5-star rating icon.
- Dolphin**: A file manager window titled "Nepomuk Presentation Test - Dolphin". It lists files: "Ah Ha.mp3" (4.7 MiB, MP3 audio), "A text file.txt" (169 B, plain text document), and "dolphin2.png" (120.7 KiB, PNG image). The "dolphin2.png" item is selected, showing its details: Name: dolphin2.png, Image Size: 1,121x693. It also displays a 5-star rating icon and a "More..." link.
- Akademy**: A knowledge base application window titled "Nepomuk Presentation Test". It shows a search result for "dolphin2.png", which includes a thumbnail, file details, and a 5-star rating icon. Below the result, there is a "Change comment..." link and a section for "Akademy Nepomuk" with "Screenshot" and "Change tags..." links.



Tagging and Rating in Konqueror

The image displays two side-by-side screenshots of the Konqueror web browser running on the KDE desktop environment, demonstrating the integration of the Nepomuk semantic desktop system.

Left Screenshot: Shows the Konqueror window with the URL <http://nepomuk.kde.org/>. A context menu is open over a page element, with the "Rate this page" option highlighted. Below the menu, a rating interface shows five yellow stars.

Right Screenshot: Shows the same Konqueror window with the URL <http://nepomuk.kde.org/>. A context menu is open over a page element, with the "Rate this page" option highlighted. Below the menu, a rating interface shows five yellow stars. To the right of the main window, a sidebar panel is visible, listing various categories such as Nepomuk, Music, Downloads, Akademy, and Screenshots, with "Nepomuk" currently selected.





Web Pages Indexed by Strigi

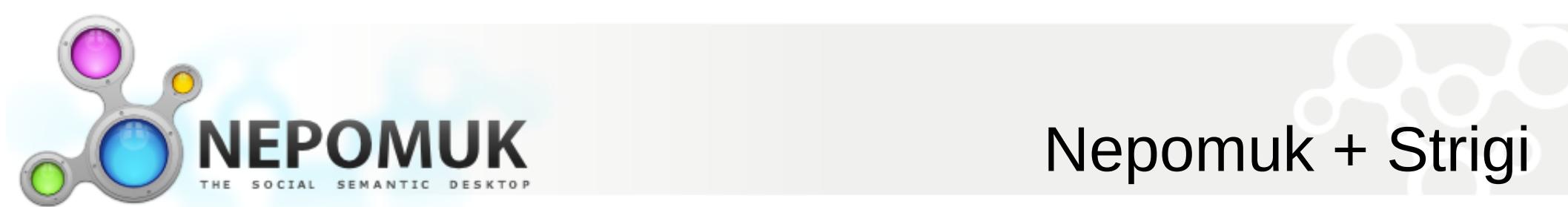
The image displays two windows of the "Simple KNepomuk Search Client".

Left Window (Search for "metadata soprano"):

- File**:
 - screencast-text.txt (plain text document)
 - screencast-text.txt~ (backup file)
- SourceCode**:
 - nrl.h (C header)
 - sil.h (C header)
- Website**:
 - <http://nepomuk.kde.org/>

Right Window (Search for "type:website metadata soprano"):

- File**:
 - type:website metadata soprano
- Website**:
 - <http://nepomuk.kde.org/>



Nepomuk Strigi File Indexing

Nepomuk Strigi File Indexing

Strigi Indexing State

File indexer is idle

Nepomuk Storage State

Indexed files: **37,574 files in index**

Nepomuk store size: 222.5 MiB

Configure OK

Nepomuk - KDE Control Module

Nepomuk/Strigi Server Configuration

Basic Settings Advanced Settings

Nepomuk Semantic Desktop

Nepomuk Semantic Desktop enables tagging and rating of files integrated with the Desktop Search.

Enable Nepomuk Semantic Desktop

Strigi Desktop File Indexer

Strigi desktop search allows searching for files by content instead of just by name.

Enable Strigi Desktop File Indexer

File indexer is idle

Help Defaults OK Apply Cancel



Virtual Folders + Search

All Music Files - Dolphin

File Edit View Go Tools Settings Help

Back Forward Icons Details Columns Preview Split

nepomuksearch:/All Music Files

001 - Faith Hill - Breathe.mp3 MP3 audio	002 - Carlos Santana featuri... MP3 audio	003 - Santana featThe Prod... MP3 audio	004 - Joe - I Wanna Know.mp3 MP3 audio	005 - Vertical Horizon - Ev... MP3 audio
006 - Destiny's Child - Say ... MP3 audio	007 - Savage Garden - I Kne... MP3 audio	008 - Lonestar - Amazed.mp3 MP3 audio	009 - Matchbox Twenty - Be... MP3 audio	01 - Ah Ha.mp3 MP3 audio
01 - Crush.ogg Ogg Vorbis audio	01 - Crystalline Green.mp3 MP3 audio	01. KT Tunstall - Little Favours.mp3 MP3 audio	01 - Pop! Goes My Heart.mp3 MP3 audio	01 Ready Steady Go.mp3 MP3 audio
01 - Schlechte Noten.mp3 MP3 audio	01 - Take a Bow.mp3 MP3 audio	01 - Thomas Fersen - Au C... MP3 audio	010 - Toni Braxton - ... MP3 audio	

291 Items (No Folders, 291 Files)

Simple KNepomuk Search Client

File

jan

Search

41. Jan Stevens - End Credit Score.mp3
MP3 audio

PersonContact

Jan Wilmsen

jan jansen
janchristianjansen@gmx.net

Open File - KWrite

nepomuksearch:/hashtag:akademy

Name	Size	Date	Type
01 - Ah Ha.mp3	4.7 MiB	2007-12-02 09:59	MP3 audio
A text file.txt	169 B	2008-07-16 15:08	plain text document

Location: A text file.txt Open

Filter: All Files Cancel

Encoding: UTF-8

Akademy 2008





Amarok – Music and Nepomuk

The screenshot shows the Amarok 2 alpha music player interface. The window title is "Under The Influence Of Giants - Ah Ha - Amarok 2 alpha". The menu bar includes "Amarok", "Playlist", "Tools", "Settings", and "Help". The toolbar has standard controls (back, forward, play/pause, stop) and a volume slider set at -2:35. The status bar at the bottom says "Playing: Ah Ha by Under The Influence Of Giants on Under The Influence Of Giants (0:00)".

The left sidebar has tabs for "Collection", "Internet", "Playlists", and "Files". The "Collection" tab is selected, showing a "Group By" dropdown set to "giants" and a "Artist" dropdown set to "Under The Influence Of Giants". Below these are two expandable sections: "Nepomuk Collection" containing "Under The Influence Of Giants" with tracks 1-11 listed, and "Local Collection".

The main content area displays the album art for "Under The Influence Of Giants" and the track "1 - Ah Ha". To the right of the track information is a rating scale from 0 to 5 stars. The Amarok logo and slogan "rediscover your music" are visible at the bottom of the main window.



Semantic Clipboard

Address Book Browser - KAddressBook

File Edit View Tools Settings Help

Undo Ctrl+Z
Redo Ctrl+Shift+Z
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Copy Contact To...
Move Contact To...
Delete Contact Del
Select All Ctrl+A
Merge Contacts
Select Categories...
Set as Personal Contact Data

In: Visible Fields Filter: None

Leo Sauermann



Home +49 631 20575-116
Home +49 631 20575-116
Email leo.sauermann@dfki.de
Email leo@gnosis.com
Homepage <http://www.leopard.net/>

Address book: resource

1 contact matches



Semn – Semantic Notes

The screenshot illustrates the NEPOMUK desktop environment. In the foreground, the Semn application window is open, displaying a list of semantic notes on the left and their detailed content on the right. The notes include:

- email
- smile meeting minutes (selected note)
- akademy
- some people
- ontology generation
- keyword extraction sample
- retesting
- people
- minutes
- baptism dress
- activity report Feb08
- interns
- holiday options

The selected note, "smile meeting minutes", contains the following details:

- date/time/location: wed 2008-08-06 / 3-5 pm / meeting room A
- attendance: Siegfried, Sven, Vit, Tudor, Simon, Laura, Ismael, Oszkar
- regrets: Knud (holiday)
- scribe: Laura
- Review of last meeting minutes
no issues
- Trip Reports
- meeting, minute, smile

A timeline and tag cloud are also visible in the background.

The Tags window shows the following semantic tags:

- books devices future list meeting minute
- nepomuk ontology personal
- photography smile todo



That is nice.

But what is next?





Powerful Bookmarking

Semantic Desktop with KDE | Nepomuk - Konqueror

File Edit View Go Bookmarks Tools Settings Window Help

http://nepomuk.kde.org/

Search:

Bookmarks

- Bookmarks
- Latest Bookmarks
 - Semantic Desktop with KDE | Nepomuk
 - K Desktop Environment - Be free
 - Akademy 2008 - KDE...are Desktop Summ
- Important Bookmarks
 - Semantic Desktop with KDE | Nepomuk
 - Akademy 2008 - KDE...are Desktop Summ
- Nepomuk
 - Semantic Desktop with KDE | Nepomuk
 - Soprano - the Qt/C++ top can be so easy
 - NEPOMUK - The Social Semantic Deskt

NEPOMUK
THE SOCIAL SEMANTIC DESKTOP

Semantic Desktop with KDE

Nepomuk aims to provide the basis to handle all kinds of metadata on the KDE desktop in a generic fashion. This ranges from simple information such as tags or ratings over metadata extracted from files to metadata that is generated by applications automatically. RDF, the Resource Description Framework, provides the powerful basis to store and query all this data. The goal is to categorize all metadata using clean ontologies to make an automated handling and enrichment of the data possible.

The core elements of Nepomuk have already been integrated into the kdelibs and kdbase. This website is targetted to be the entry point for all information regarding the Nepomuk-KDE project.

Discover Nepomuk

[As a Developer...](#) [As a User...](#)

Latest News

- Soprano 2.1.1 released
- Strigi, Nepomuk and KDE 4.2 - hopefully a good team
- Strigi Reloaded - The Answer to all our Problems? Hopefully to a few of them.
- Soprano 2.1 released
- Nepomuk Virtual Folders Part III

[more](#)

Page loaded.

Home
About Nepomuk
Latest News
Documentation
trueg's blog

soprano

KDE 4.0

Mandriva



Documents – Without Files

Save Document - Nepomuk - [Vorschau]

Name: Nepomuk

Comments: The Nepomuk project aims to highly improve the way we handle our desktop data today.

Akademy Nepomuk
Screenshot
[Change tags...](#)

Document Types

- Document
 - Invoice
 - Project Description
 - Scientific Paper
 - Nepomuk Paper

OK Abb

Load Document - Nepomuk - [Vorschau]

Search: Proj

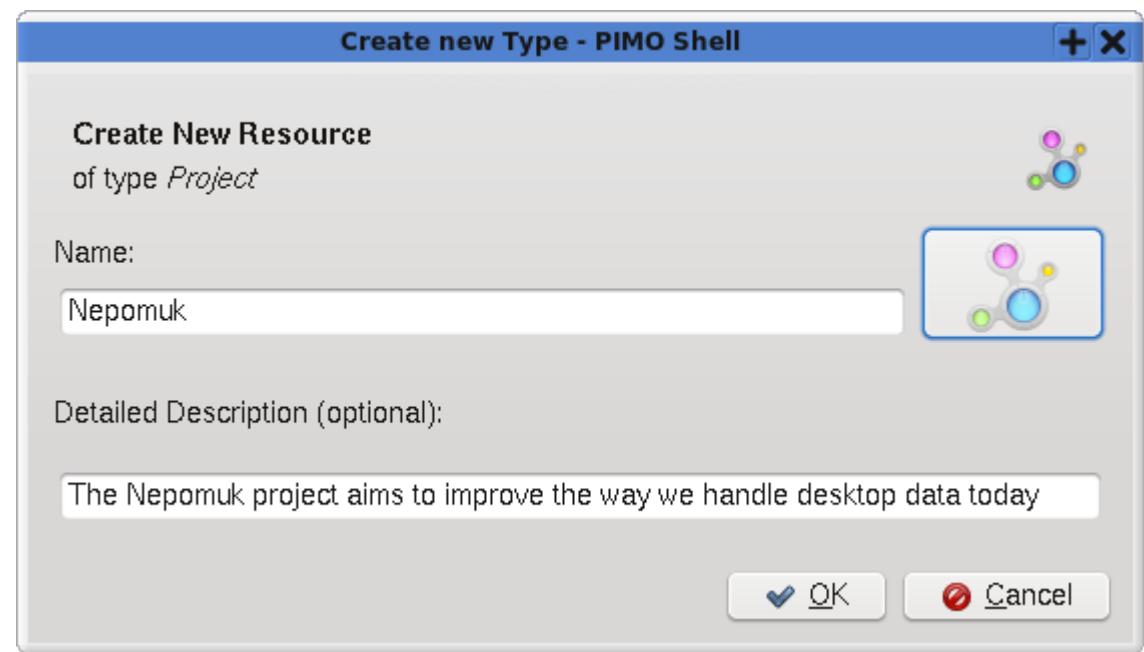
Project Description

Nepomuk - The Nepomuk project aims to highly...

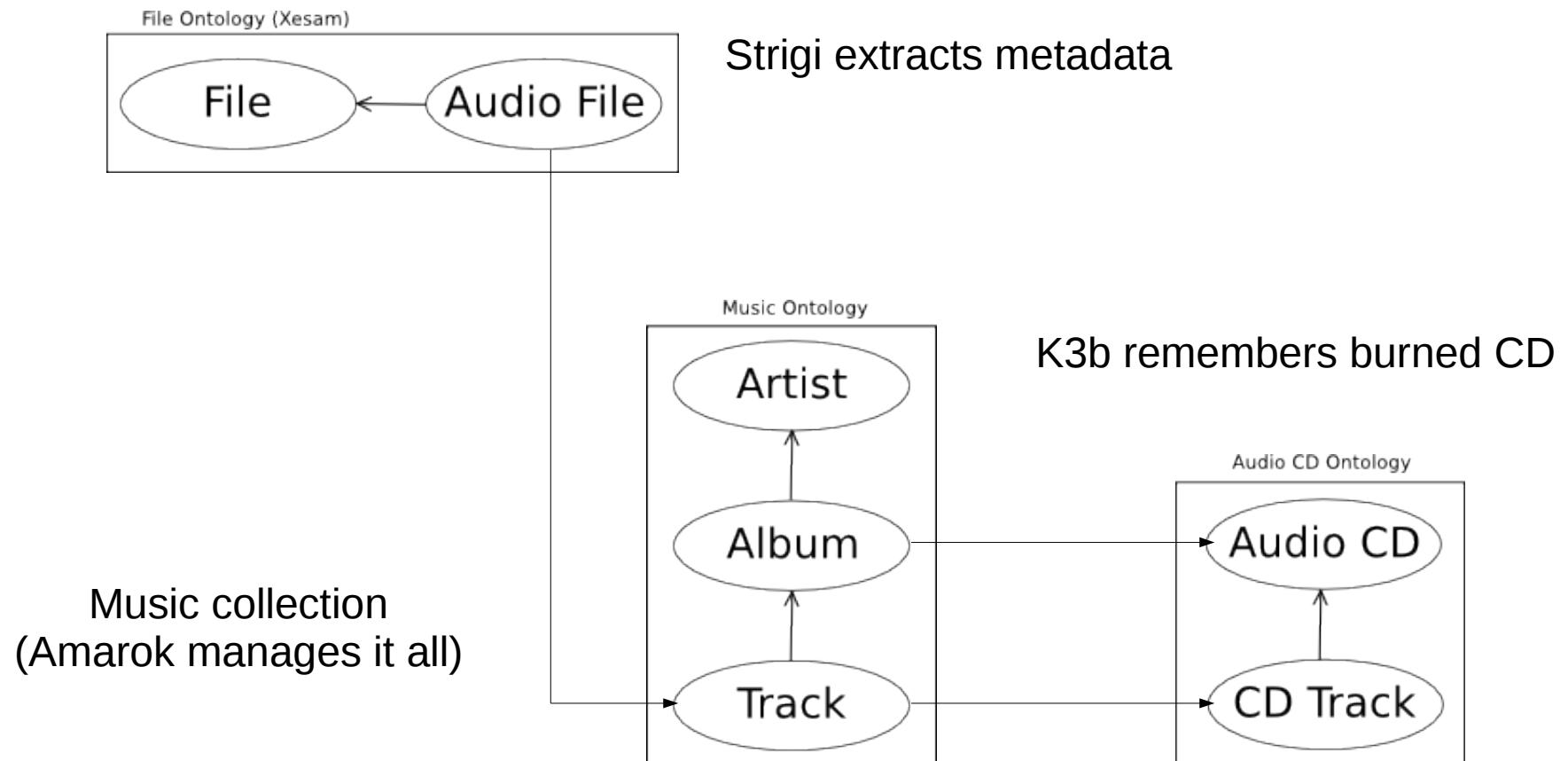
OK Abbrechen



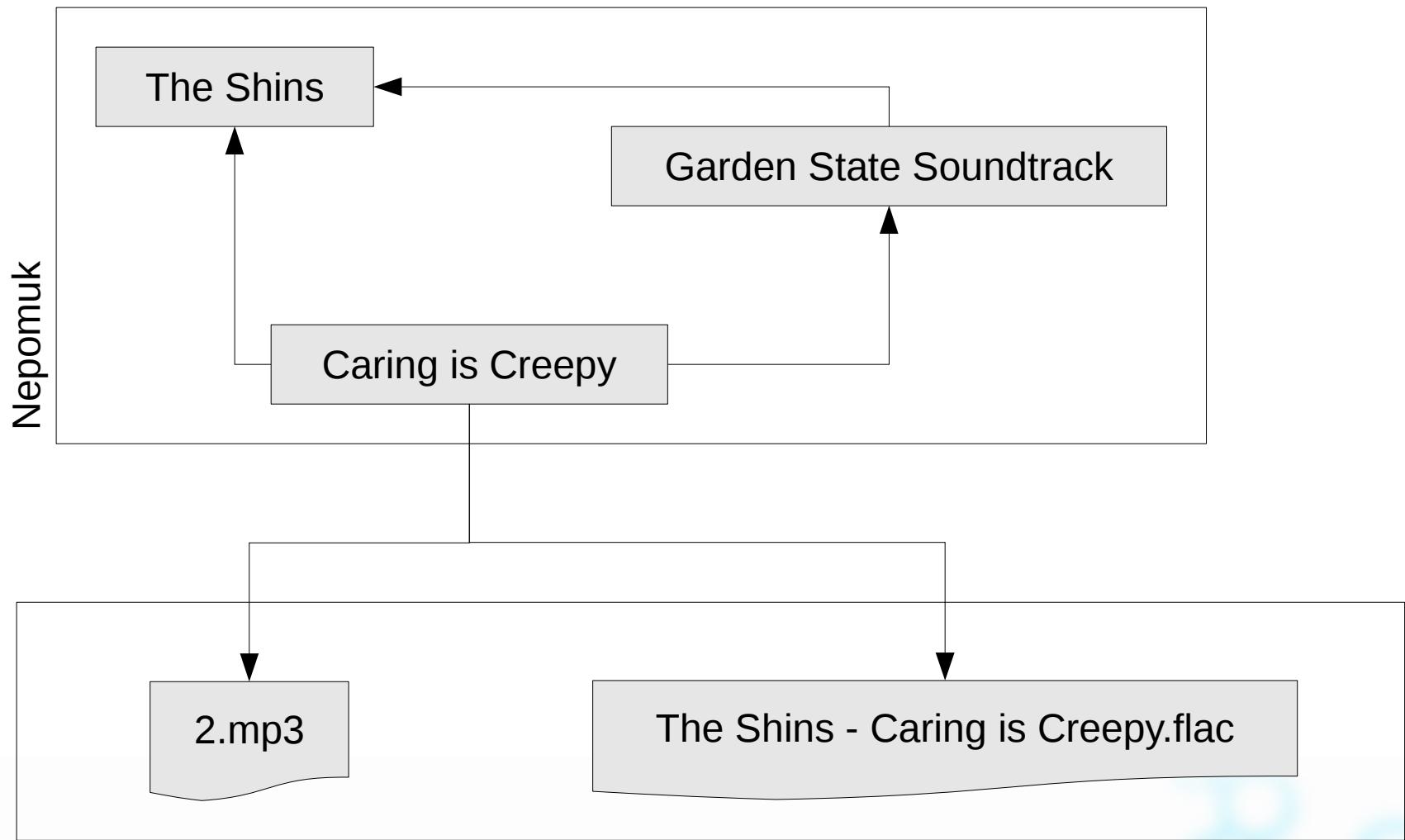
Project Management



The Music Ontology



Amarok and the Music Ontology





Amarok, Marble and Nepomuk

Haggard - Intro: Rachmaninov: Choir - Amarok 2 alpha

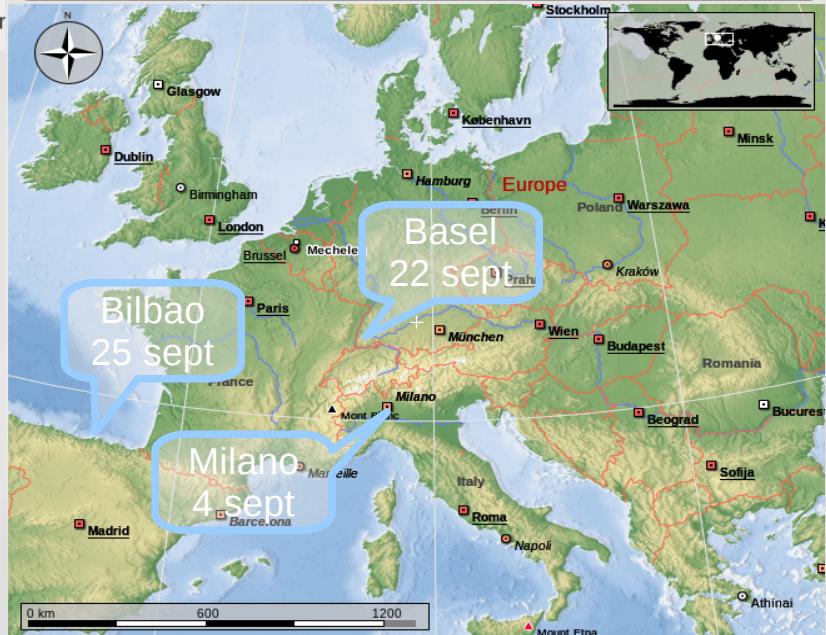
Amarok Playlist Tools Settings Help

0:06 - 0:32

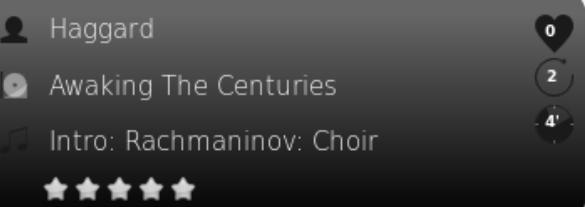
Group By
Enter search terms he ...

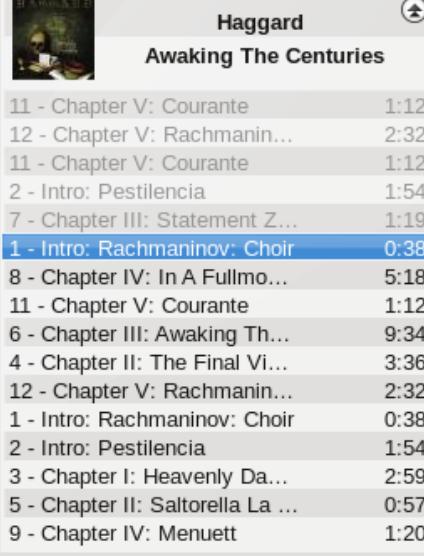
Artist / Year - Album
+ Nepomuk Collection
- Local Collection
- Haggard
+ Awaking The Centur

Collection Internet Playlists Files









Playing: Intro: Rachmaninov: Choir by Haggard on Awaking The Centuries (0:38)



Social Marble



- Already in: Dolphin, Konqueror, GwenView, Amarok, KIO
- Coming soon: Marble, <Your app here!>
- Nepomuk: tag, rate and organize everything!
- Integration is easy!



Ask us about Nepomuk!



- Find us and ask us about Nepomuk!
- #nepomuk-kde
- Nepomuk BoF Session