

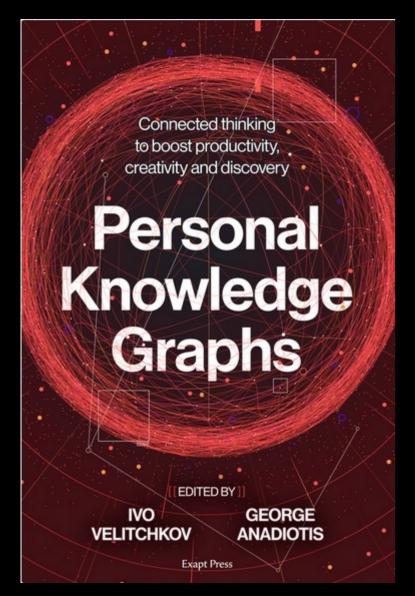
a /home for your thoughts

A semantic desktop project by Gregor B. Rosenauer

About



Father
Founder (incubation)
Computer Scientist
Humanist
Tinkerer
Engineer
Book Nerd



About

- * contributed chapter on SEN
- * introduction and technical overview
- * prototype in development
- * concept proven

- fighting the information overload in your local files
- current desktop systems not designed for this
- tools getting more complex and cause friction
- With every new piece,you're back to chaos



- * current systems limit you to Markdown files
- * you see only shadows of the real world
- * not everything is a text
- * you loose semantics



One Tool to bind them all?

Complexity



It's a Web, not a Stack!

Data-Centric vs File-Centric

Data is Text but Tool specific



Data is at the center and shared



SEN is based on Data Centricity

- * information is set free, Entities as first-class citizens not owned by any single app, metadata exposed
 * simple, readable, object based (simple types)
 can be inspected without apps
- * apps as Visitors
 apps for advanced data handling
- * http://datacentricmanifesto.org/
- * FAIR principles (Findability, Accessibility, Interoperability, and Reuse)

SEN - The PKM Environment

* combine the best of both worlds:
native types + local-first + files&folders (with a twist;)
* basic knowledge management without custom tools

search, manipulate and navigate metadata+relations

- * integrate into familiar desktop environment intuitive handling without learning a new tool
- * extensible and open to other use cases extract metadata, relations, retrieve info, integrate Al
- * SEN = Simple, Extensible and Native ;-)

Global and Connected

- * fully user controlled
- * Enrich
- * Extract
- * Exchange



Local and Protected

- * private and secure
- * self-contained (USB drive)
- * sensitive environments
- * journalists, activists
- * researchers, writers



With SEN, you CAN

Custom
Apps
Now!

Easily build simple custom applications for personal use based on semantic data views.



"We build our computer systems like we build our cities over time, without a plan, on top of ruins"

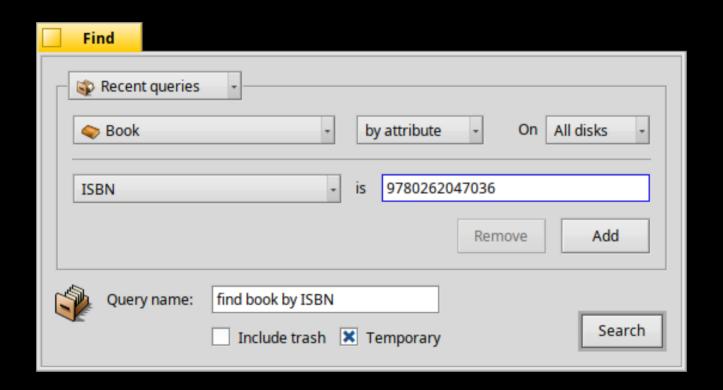
— Ellen Ullman



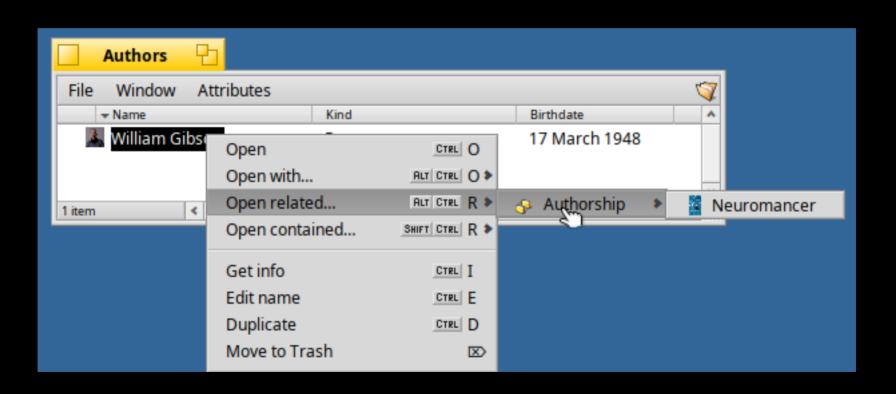
Haiku is an open source operating system under constant development. Specifically targeting personal computing, Haiku is a fast, efficient, simple to use, easy to learn, and yet very powerful system for computer users of all levels.

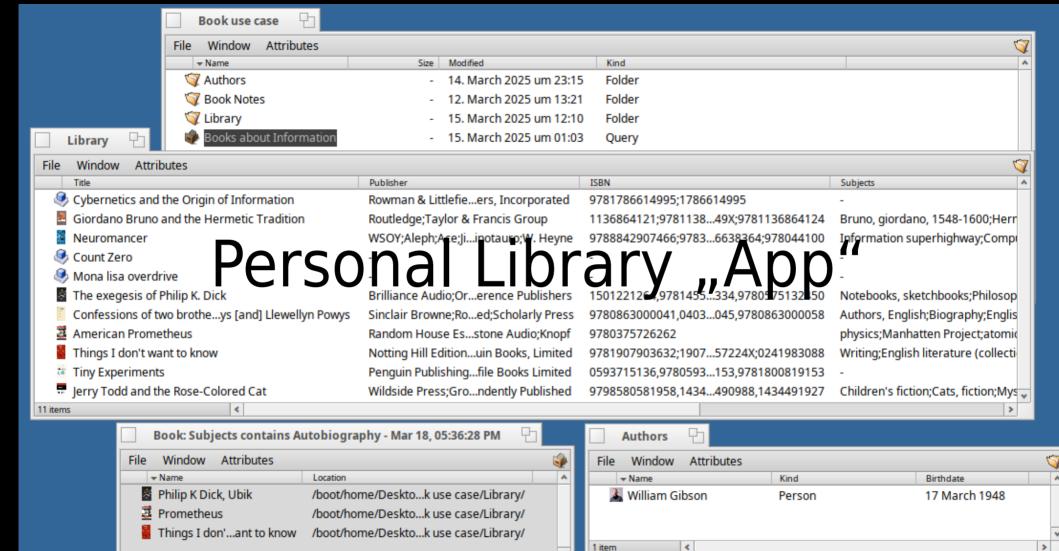
- * Specific focus on personal computing
- * very responsive and open source
- * Database-like file system (BFS) with support for indexed metadata

Books (Search)



Relation View

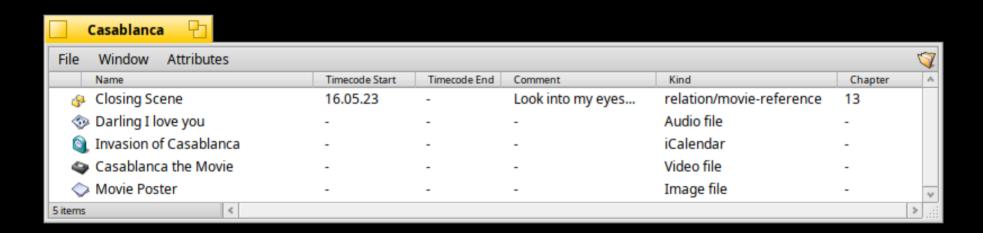




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3 items

Example - Movie Notes



Current Status

- * prototype with working core concepts
- * use cases done:
 - PDF self-relations
 - semantic relations between files
 - source code dependency relations
 - Book use case
 - PDF Bookmark deep links and relations
 - Book and Author enrichment with metadata from OpenLibrary (Internet Archive)

Outreach/Reach out

- * presented at PKM Summit 2025
- * info@sen-labs.org
- * Twitter/X: @labs_sen
- * https://senlabs.substack.com
- * https://www.sen-labs.org
- * all free and open source at https://github.com/sen-laboratories