Refinder: A Semantic Social Productivity Tool

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Can’t remember things
Realizing the Social Semantic Desktop since 2002

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Previously

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Isn’t a search engine enough?
The Broad Problem
Knowledge Workers have multiple applications, growing data, and productivity suffers

**Situation**

- 40% of workforce are knowledge workers
- Have multiple projects and roles
- 20,000 files
- 20,000 emails
- 300 incoming emails/day
- Collaboration and personal organization overlap

**Behavior**

- 45% of time for information management
- 4–15% of users like desktop search
- 57% send bookmarks to yourself
- Context is lost when forwarding data

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Refinder: A Semantic Social Productivity Tool
How Refinder solves the problem
The social-semantic approach lifts productivity

Data integration & information collection
- Registration
- Trial use
- Subscription

Semantic processing & information curation
- Put in collections
- Tag & link information
- Experience recommendations

Actionable social workspace
- Share with others
- Comment
- Like

Sign up
- Import
  - Bundle data from external apps
  - Create new data

Organize

Collaborate
- Export
- Push back into apps

Publish
Organize information
SaaS Software. Where your things come together.

Lives on getrefinder.com

use it to
- collect from sources
- curate and understand
- share and manage

... everything on that meeting...

Refinder: A Semantic Social Productivity Tool
Collect & share relevant things
Accelerate and improve quality of work

Alex shares a question with other users in a collection.

Claudia reads the question and answers it.

Refinder recommends relevant topics.

Refinder recommends relevant documents and Websites.
Demo
Application Scenarios

A user looks for **answers** to a problem. He can look in his own collections and post the question in shared collections to get answers from experts.

Alex collects **bookmarks** for a research topic. Refinder automatically suggests related topics from his past research and from colleagues.

Claudia collects information for a **meeting** in a collection. Slides, a hotel, the participants, open questions. She shares it with the participants and the minutes are forwarded.

An international publishing house integrates Refinder. Researchers can combine personal **notes** with **papers** from the publisher. Personalized recommendations identify relevant information.
Refinder Technology

**API interface**
extend and connect

**Web interface**
collaborate and organize

**Recommender**
finds relevant data
connects to LOD

**RDF Data Model**
semantic data store
Social Semantic Desktop standard

**Refinder SaaS**
www.getrefinder.com

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Your information space

for further information please contact Claudia Stern...
Types of Things Currently Supported by Refinder

- Webpage
- Location
- Email
- Note
- Person
- Topic
- Project
- Event
- Organisation
- ...more
Collect into Refinder
Bring benefit to the user, wherever they are.

Refinder connects to applications and web platforms.

- **collect** data
- **across** sources
Knowledge Work: relevance, annotate

Organize and annotate

- **Rate**
  value of information

- **Source**
  connects to apps

- **Recommendations**
  create relations

- **Comments**
  describe context
Collaboration in Groups

Share things in collections

Organize enterprise data
Application of Semantic Technologies

- **Data** represented in **RDF** and backed by RDBMS
- **LOD data** used for background information
- **Text analysis** yields context information
- **Recommendations** of relevant things by similarity
- **Facetted Search** for data exploration
OSCAF Semantic Desktop Standards

www.oscaf.org  non-profit standardization organisation

semanticdesktop.org  community website with mailinglists and events

nepomuk.kde.org  large implementation

The RDF standards for office data calendar, contacts, files, tasks, …

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Refinder for Developers

• Refinder provides two **APIs**:
  
  • **Extractor & Recommender** API: integrate content analysis, extraction, and recommendation components.
  
  • **Connector & Client** API: talk to Refinder services from applications, create and update things, search, get recommendations.
  
  • Both are based on **REST** principles, **RDF** serialization, **OAuth** authentication.
  
  • Clients for Python, C# (Java and PHP upcoming).
Opportunities for You and Me

Register at www.getrefinder.com

Use it
• in your organisation
• in a project
• for yourself

Resell Refinder
• Bundled with your app?

Extend Refinder
• Enhance text analysis
• Enhance recommender
• Build applications on top
• Visualization
• Search for information
• Connectors to apps
Thanks,

do you agree? questions!

www.getrefinder.com