

# **Zeitgeist Technologies**

# Zeitgeist Technologies

- Deployment
- Zeitgeist Framework
- ???geist Framework
- Q&A

# Zeitgeist Technologies

**Deployment**  
*Thorsten Prante*

# Zeitgeist Technologies

- **Deployment**
  - Docky
  - Activity Journal
  - El Loco
  - AWN
  - Unity
  - Nautilus – Elementary
  - ...

# Zeitgeist Technologies

## Personal Information Access

|   |                        |
|---|------------------------|
| Time<br>- When did I do it?<br>- What else did I do then? | Activity Journal       |
| Intensity<br>• - What did i do/use most?                  | Docky<br>(getMostUsed) |
| Location<br>- Where did I do it?                          | El Loco                |
| Content<br>- What did I write?                            | FTS<br>Tracker         |
| Coherence<br>- What did I use together?                   | getRelatedURIs         |
| With whom did I work?                                     | ???geist               |

# Zeitgeist Technologies

## Resuming an Activity I/II

Orienting is remembering

What to do next? What to continue?

Determining *connection points* is re-finding

*Where* to continue?

Determining connection points

Activity-phase specific

Across activity phases

# Zeitgeist Technologies

## Resuming an Activity II/II

What to continue?

Where to continue?

### **Current Means**

*Histories*

*Folders & Symlinks*

*Desktop Search*

*Virtual Desktops & Alt-Tab*

*Hibernation*

# Zeitgeist Technologies

**DEMO**

# Zeitgeist Technologies

**Zeitgeist Framework**  
*Siegfried Gevatter*

# Zeitgeist Technologies

- **What changed since GCDS?**
  - We aren't Tracker: no more annotations (eg. tags).
  - New database structure for better performance.
  - New, more powerful D-Bus API.
  - Stability.
  - Extensibility.
  - Running on Maemo.
  - SUPER SEXY

# Zeitgeist Technologies

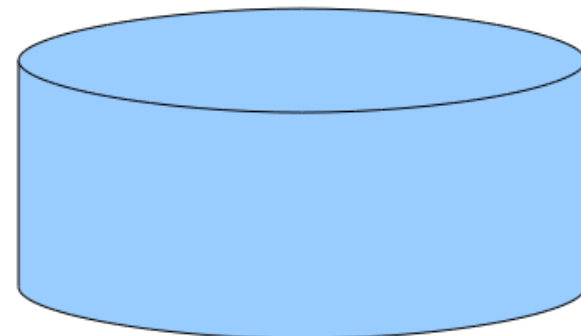
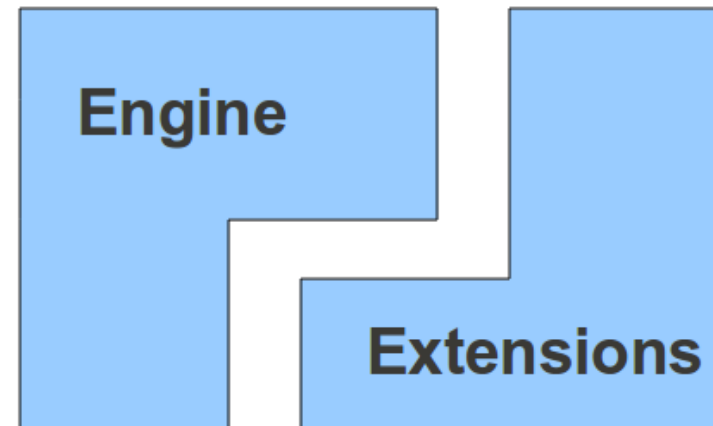
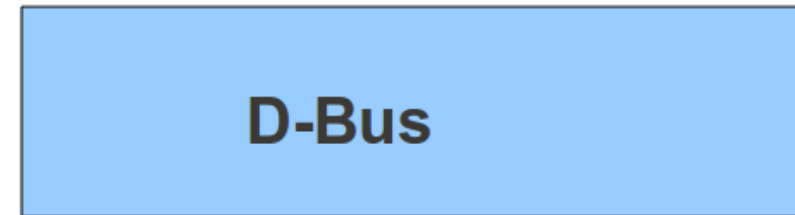
- Zeitgeist Framework:
  - **Engine**
  - LibZeitgeist
  - Loggers
  - Ontology
  - Extensions

# Zeitgeist Technologies

- Zeitgeist Framework:

- **Engine**

- Event Log (Stores Events)
    - Provides frequent/recent/  
most used/etc events for:
      - Types, Mimetypees
      - Applications
      - Activity Type
      - etc.
    - Extensible



# Zeitgeist Technologies

## What is an event?

- Timestamp
- Event Type (interpretation & manifestation)
- Actor
- Payload
- **Subjects**
  - URI, Subject Type (interpretation & manifestation), Title (string), etc.

# Zeitgeist Technologies

- Zeitgeist Framework:
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# Zeitgeist Technologies

- Zeitgeist Framework:
  - **LibZeitgeist**
    - Mikkel Kamstrup. Sponsored by Canonical.
    - **Vala** (introspection). Michal Hruby (GSoC).

# Zeitgeist Technologies

- Zeitgeist Framework:
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# Zeitgeist Technologies

- Zeitgeist Framework:
  - **Loggers**
    - Exist within or outside the Applications
    - Responsible for pushing events into Zeitgeist
      - Python interface
      - C, Vala interface
      - D-Bus Interface

# Zeitgeist Technologies

- Zeitgeist Framework:
  - Engine
  - LibZeitgeist
  - Loggers
  - **Ontology**
  - Extensions

# Zeitgeist Technologies

- Zeitgeist Framework:
  - **Ontology**
    - *Nepomuk Ontology* for Subject description
    - *Zeitgeist Event Ontology* for Event description
      - Compatibility with Tracker
      - RDF Standards

# Zeitgeist Technologies

- Zeitgeist Framework:
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  - Ontology
  - LibZeitgeist
  - **Extensions**

# Zeitgeist Technologies

- Zeitgeist Framework:
  - **Extensions**
    - Reside within the Zeitgeist Process
    - Manipulate events coming in and going out
    - Provide their own API over Dbus
    - Examples:
      - **Blacklist**
      - **DataSource Registry**
      - FTS
      - Geolocation (Geoclue / liblocation)

# Zeitgeist Technologies

**DEMO**

# Zeitgeist Technologies

**Teamgeist Framework**  
*Youness Alaoui*



# Zeitgeist Technologies

- Teamgeist Framework
  - **History**
  - Introduction
  - Basics
  - Vision

# Zeitgeist Technologies

- Teamgeist Framework
  - **History**
    - Started last GUADEC (Prototype) by Robert McQueen, Sjoerd Simmons & Seif Lotfy
    - Collabora sponsored work on full fledged Teamgeist
    - Teamgeist Framework 0.1 around January 2010

# Zeitgeist Technologies

- Teamgeist Framework
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# Zeitgeist Technologies

- Teamgeist Framework

- **Introduction**

- Motivation: Lack of real-time collaboration tools

- Use Case:

- Share events between team members

- Browse and search for events from your colleagues

- Collaborate on a project efficiently

- Researching Online

- Review Team work history

- Merge/synchronize your zeitgeist events from two computers

- Planning a trip, etc..

# Zeitgeist Technologies

- Teamgeist Framework
  - History
  - Introduction
  - **Basics**
  - Vision

# Zeitgeist Technologies

- Teamgeist Framework
  - **Basics**
    - The power of Telepathy and Zeitgeist unified
      - Use Telepathy to create teams through XMPP MUC channels
      - Use Telepathy Tubes to exchange events between participants
      - Events get shared based on specific search criteria set by the user
      - Use of a different transport is possible (sharing through email, etc.)

# Zeitgeist Technologies

- Teamgeist Framework
  - History
  - Introduction
  - Basics
  - **Vision**

# Zeitgeist Technologies

- Teamgeist Framework
  - **Vision**
    - Integrate with Applications
    - File-Locking across networked computers
    - Go Mobile

# Zeitgeist Technologies

**DEMO**

# Zeitgeist Technologies

- Unkown (ammonkey)
- Randy Barlow
- Daniel Fore
- Michal Hruby
- Markus Korn
- Seif Lotfy
- Jason Smith
- Youness Alaoui
- Hylke Bons
- Siegfried Gevatter
- Mikkel Kamstrup
- Federico Mena
- Thorsten Prante
- Natan Yellin

# Zeitgeist Technologies

**Q&A**