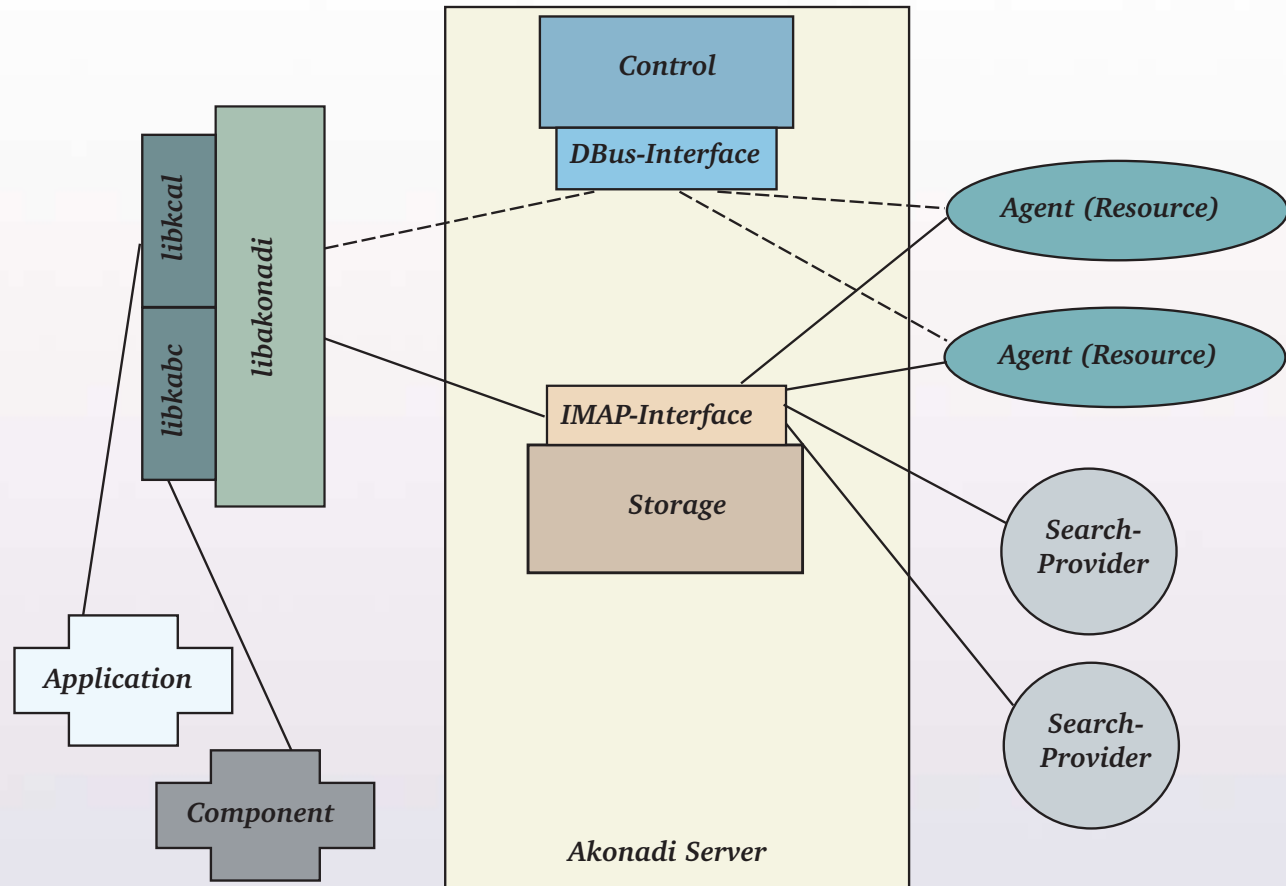# Akonadi - State and Roadmap

Tobias Koenig

Concepts

Concepts

The Storage

- Accessible via extended IMAP
  => high performance on data delivery

- Caches all PIM items of the resources
  (depending on the policy)

- Informs the Control about changes

- Provides basic search features (IMAP)

- Delegates extended search requests to
  SearchProviders

The Resources

- Applications which synchronize data between the Storage and an external data source (e.g. groupware server or file)

- Asynchronous communication

- Profiles for grouping Resources together

The Control

- Starts and monitors the Storage and resource processes
- Provides D-Bus API for managing resources and profiles

The SearchProviders

- External applications which process more complex search queries

- One SearchProvider for every PIM item type

- Store search results in collections inside the Storage

Collections

- Virtual containers inside the Storage

- Contain PIM items/references

- Root collection '/'

- Every Resource provides at least one collection

- Easy to realize virtual folders

/

/resource1

/resource1/calendar

/resource1/addressbook

/resource2

/search

Current State

Current State

- Storage
  - ▷ Provides all needed IMAP commands
  - ▷ Stores items in Collections
- Control
  - ▷ Lifetime management for Storage and Resources
  - ▷ D-Bus API nearly completed
- Resources
  - ▷ Simple iCalendar file
  - ▷ Dummy resource 'Knut'

Job for this weekend

- Discussing how to simplify asynchronous IPC

- Implementing SearchProviders infrastructure

- Fixing sqlite backend to work multithreaded (Simon?)

- Implementing use case application
  (e.g. small address book/note pad)

- Writing documentation!!!