<what are we talking about here?>
Akonadi Clients

Anything that uses Akonadi
Akonadi::AgentBase

Managed by Akonadi

Online/Offline support

Monitoring changes
Akonadi::ResourceBase

Interface to request data:

retrieveCollections()
retrieveItems( const Collection &col )
retrieveItem( const Item &item )
KFacebook (1)

- Facebook web service (REST-like)
- Read only interface (to drive web traffic)
- Most useful information intentionally inaccessible
- libkfacebook – library for communicating with Facebook web service
- Status, Friends list, groups, events, photo albums, ...
KFacebook (2)

• Akonadi
  – Addressbook resource exposes friends list
  – Calendar resource exposes events

• Plasma
  – Contact list + status updates (like KDE Twitter)
KFacebook (3)

- TODO (old and dusty)
  - Check that it still works
  - Extend for new Facebook API
  - Finish resources and port to new Akonadi API
  - Port applet to new Plasma API
<email threading>
Akonadi Server

Mail Item Model

Threading Proxy Model

potential parents

maildir resource

IMAP resource

Akonadi Server

threading agent

strigi feeder agent

strigi
<exchangonadi>
OpenChange Resource

• Allows Akonadi clients to access Microsoft Exchange servers
  – Native Exchange RPC protocols
  – Mail
  – Appointments / Calendaring
  – Tasks, Notes, Journal...

• Alpha quality, aiming for KDE 4.2
Welcome to Windows Small Business Server 2003

From: TestUser1@Openchange.local <TestUser1@Openchange.local>
To: Test User1 <TestUser1@Openchange.local>
Attachments: ATT00006.gif, ATT00008.gif, ATT00003.gif, ATT00005.gif, ATT00004.gif, ATT00009.gif, ATT00007.gif

Your company installed Windows Small Business Server 2003 on your computer network. Windows Small Business Server provides software tools that help you work more productively, and communicate more effectively with co-workers and clients. Some or all of the following options are available. Click a link for more information:

- [http://SBS2003/clienthelp/default1.htm](http://SBS2003/clienthelp/default1.htm)  Internal Web Site
- [http://SBS2003/clienthelp/default1.htm](http://SBS2003/clienthelp/default1.htm)  Your company’s new internal
  Web site allows you to share information, such as documents, photos, and events with your co-workers. Open [http://companyweb/default.aspx](http://companyweb/default.aspx) the internal Web site.
- [http://SBS2003/clienthelp/defaultD.htm](http://SBS2003/clienthelp/defaultD.htm)  Using document libraries on your company’s internal Web site, you can share many types of content, such as documents, faxes, presentations, and proposals. Take a look [http://companyweb/_layouts/1033/viewlists.aspx](http://companyweb/_layouts/1033/viewlists.aspx) at your company’s document libraries.
Calendering

BEGIN:VEVENT
DTSTAMP:20080806T182733Z
ATTENDEE;CN=Alan Alvarez;RSVP=FALSE;PARTSTAT=NEEDS-ACTION;ROLE=CHAIR;
mailto:alan.alvarez@alienchange.net
ATTENDEE;CN=Alan Alvarez;RSVP=FALSE;PARTSTAT=NEEDS-ACTION;
ROLE=OPT-PARTICIPANT;mailto:alan.alvarez@alienchange.net
ATTENDEE;CN=Administrator;RSVP=FALSE;PARTSTAT=NEEDS-ACTION;
ROLE=REQ-PARTICIPANT;mailto:Administrator@alienchange.net
CREATED:20080807T210831Z
UID:libkcal-159161885.873
LAST-MODIFIED:20080806T181653Z
DESCRIPTION:<<alien-web.gif>> <<New Text Document.txt>> This is a test
appointment for akonadi development
SUMMARY:Appointment Test
CLASS:PRIVATE
ATTACH;VALUE=CONTENT;FMTTYPE=text/plain;ENCODING=BASE64;X-LABEL=New Text
Document.txt:
attachment content

Save
More Calendaring

Appointment Test

Time: 2008-08-20 - 2008-08-21

This is a test appointment for acroni development.

Organizer
- Alan Alvarez

Attendees
- Alan Alvarez
- Administrator

2 attachments

Creation date: 2008-07-30 21:08
Implementation

- Makes use of:
  - KDE PIM Akonadi libraries
  - kdepimlibs
  - C++ wrapper over an OpenChange library...
  - ...which in turn uses some Samba4 libraries

- Future
  - Access over HTTP ("Outlook Anywhere")
  - Free / busy, public folders
  - Offline Address Book
More Information

- Brad Hards ([bradh@kde.org](mailto:bradh@kde.org))
  - bradh on Freenode – try #openchange or #akonadi
- Alan Alvarez
  - clsk or klsc on Freenode
- [http://www.openchange.org](http://www.openchange.org)
- Source in KDE subversion repository
<KPilot does Akonadi>
Decibel and Akonadi

- Decibel is the KDE 4 realtime communications layer
- Kopete used KABC UIDs to relate IM contacts to addressbook entries for desktop integration
- Kopete is to be merged with Decibel