



AKONADI



Stockphoto

<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 )
```

< **facebook** onadi >

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, ...

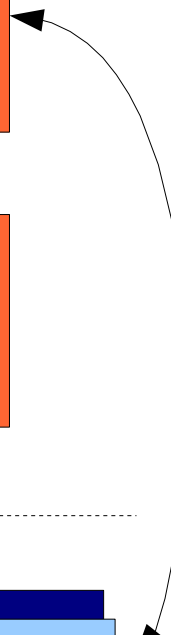
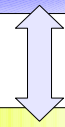
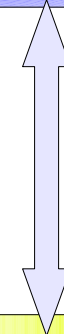
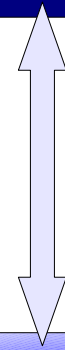
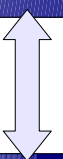
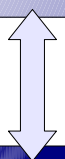
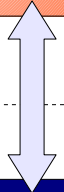
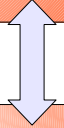
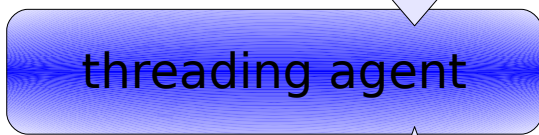
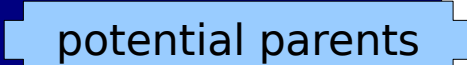
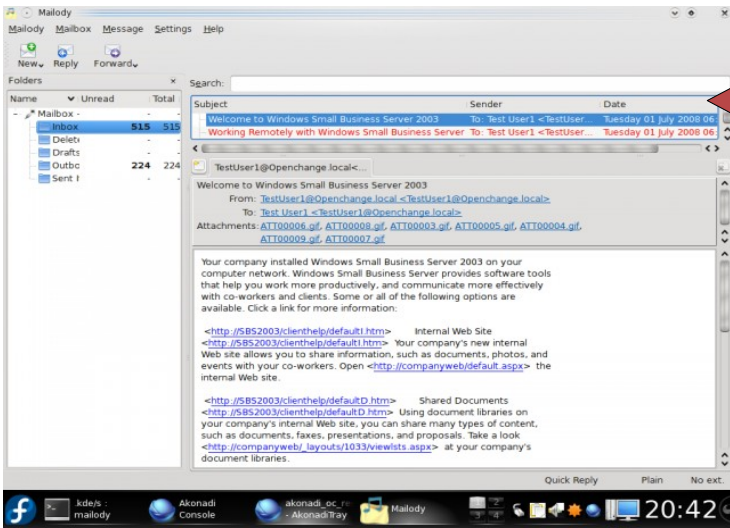
KFacebook (2)

- 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

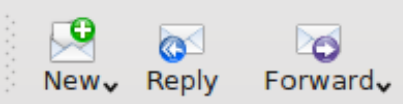
<email threading>



<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



Name	Unread	Total
Mailbox -		
Inbox	515	515
Delete		
Drafts		
Outbox	224	224
Sent I		

Search:

Subject	Sender	Date
Welcome to Windows Small Business Server 2003	To: Test User1 <TestUser...>	Tuesday 01 July 2008 06:
Working Remotely with Windows Small Business Server	To: Test User1 <TestUser...>	Tuesday 01 July 2008 06:

TestUser1@Openchange.local<...>

Welcome to Windows Small Business Server 2003

From: TestUser1@Openchange.local <TestUser1@Openchange.local>

To: [Test User1](mailto:TestUser1@Openchange.local) <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>> Internal Web Site

<<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>> the internal Web site.

<<http://SBS2003/clienthelp/defaultD.htm>> Shared Documents

<<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/viewlsts.aspx> at your company's document libraries.

Quick Reply Plain No ext.

Calendering

The screenshot shows the Akonadi Console application. The left sidebar displays a tree view of the mailbox structure for 'Alan Alvarez (OpenChange)', with 'Calendar' selected. The main area shows a table of calendar events. The selected event is 'Appointment Test' with a start date of 2008-08-20 and an end date of 2008-08-21. Below the table, the 'Raw Payload' tab is active, displaying the iCalendar (VCALENDAR) data for the event. The payload includes fields for DTSTAMP, ATTENDEE, CREATED, UID, LAST-MODIFIED, DESCRIPTION, SUMMARY, CLASS, and two ATTACH fields (one for a binary image and one for a text document).

Model: Calendar

Summary	Start date and time	End date and time	Type
Appointment Test	2008-08-20	2008-08-21	Event

Payload Attributes Raw Payload Internals

```
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:20080730T210831Z
UID:libkcal-1591618685.873
LAST-MODIFIED:20080806T181653Z
DESCRIPTION: <<alien-web.gif>> <<New Text Document.txt>> This is a test
appointment for akonadi development\r\nÃ )
SUMMARY:Appointment Test
CLASS:PRIVATE
ATTACH;VALUE=BINARY;FMPTYPE=image/gif;ENCODING=BASE64;
X-LABEL=alien-web.gif:
R0IGODlhYwBjAPcAAAAAAAAAMwAAZgAAmQAAzAAA/wAzAAzMwAzZgAzmQAzzAAz/wBmAABmMw
Bm
ATTACH;VALUE=BINARY;FMPTYPE=text/plain;ENCODING=BASE64;X-LABEL=New Text
Document.txt:
aHR0cDovL3NjaGVtYXMuYwBjcm9zb2Z0LmNvbS9tYXBpL2lkL3swMDA2MjAwNC0wMDAwLTAwMD
```

Save

More Calendaring

Configure

Name

- Mailbox - Alan Alvarez (OpenChange)
 - Calendar
 - Journal
 - Tasks

Summary

	Start date and time	End date and time	Type
14 Appointment Test	2008-08-20	2008-08-21	Event

Appointment Test

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

<<alien-web.gif>> <<New Text Document.txt>> This is a test appointment for akonadi 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)
 - bradh on Freenode – try #openchange or #akonadi
- Alan Alvarez
 - clsk or klsc on Freenode
- <http://www.openchange.org>
- Source in KDE subversion repository

<plasmobiff>

<KPilot does Akonadi>

Akonadi Console

File Edit Collection Item Settings Help

Agents Resources **Browser** Debugger

Name Model: Contacts

- akonadi_ical_resource
- akonadi_vcard_resource**
- Search


Given Name	Family Name	Email Address
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Payload


KPilot


File Settings Help

HotSync Backup Reset Link

**HotSync**

**To-do Viewer**

**Address Viewer**

**Memo Viewer**

HotSync

Version: KPilot 5.0.2-alpha1 (fjord)
Version: pilot-link 0.12.3
Version: KDE 4.1.60 (KDE 4.1.60 (KDE 4.2 >= 20080709))
Version: Qt 4.4.0

HotSync Log

22:32:28 Daemon status is 'Waiting for sync'
22:32:53 Next HotSync will be: HotSync. Please press the HotSync button.

Save Log...

Configure - KPilot


KPilot Main Configuration

- General Setup
 - Device
 - HotSync
 - Backup
 - Viewers
 - Startup and Exit
- Conduits**
 - Install Files
 - Contacts**
 - To-do
 - Calendar
- About

Conduits - Contacts

Akonadi Conflicts Fields Custom Fields About

Akonadi addressbook collection:

 Do not change the collection once you have synced your device with one of the Akonadi Collections. There are currently no advanced checks in the code so prepare for the worst when you decide to do it anyway. We are working on this. Please contact us in #kpidot on irc.freenode.org if you have problems.

Help Defaults OK Apply Cancel

Akonadi Console

File Edit Collection Item Settings Help

Agents Resources **Browser** Debugger

Name Model: Contacts

Name	Given Name	Family Name
akonadi_ical_resource_23	Gerrie	Broeksema
akonadi_vcard_resource_13	Anita	Odink
Search	Peter	Fokkinga
	Sarah	van der Horn
	Bert	Eefting
	Maarten	Wegen
	Jan	Teekens
	P.	Eisenga
	Robert	Linde
	Erik Broeksema	(jr.)
	Jeroen	van der Wal
	A.	Knol
	Bram	Urbanus
	Aurelia	Baron
	Jochem	-
	Marco	-
	Sem	-
	Jan Bert	-

Attributes

The watched

Save

KPIlot

File Settings Help

HotSync Backup Reset Link

HotSync

Version: KPilot 5.0.2-alpha1 (fjord)
Version: pilot-link 0.12.3
Version: KDE 4.1.60 (KDE 4.1.60 (KDE 4.2 >= 20080709))
Version: Qt 4.4.0

HotSync Log

```

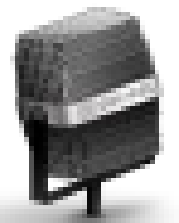
22:47:04 Daemon status is 'Waiting for sync'
22:47:08 Next HotSync will be: HotSync. Please press the HotSync button.
22:47:14 Next HotSync will be: HotSync. Please press the HotSync button.
22:47:15 Pilot device /dev/ttyUSB1 does not exist. Probably it is a USB device and will appear during a HotSync.
22:47:15 Next HotSync will be: HotSync. Please press the HotSync button.
22:47:21 Checking last PC...
22:47:21 KPilot 5.0.2-alpha1 (fjord) HotSync starting...
22:47:21 Using encoding ISO-8859-15 on the handheld.
22:47:21 [Conduit contacts-conduit]
22:47:23 Invalid record mapping. Doing first sync.
22:47:23 HH data proxy: Start: 87. End: 87. No changes made.
22:47:23 PC data proxy: Start: 0. End: 87. 87 new record(s).
22:47:24 End of HotSync
22:47:25 HotSync Completed.
22:47:25 Next HotSync will be: HotSync. Please press the HotSync button.

```

Clear Log Save Log...

Sync progress: 100%

<IM-onadi>



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

<bridges>