



AKONADI



infrastructure

your

stuff

what kind of stuff?

personal

email

contacts

appointments

chat logs  
bookmarks  
notes



fetch stuff

# Exchange Server

Facebook

your Nokia phone

*no, they didn't pay us to say this, but we hear  
they are giving away free phones, so maybe  
this will get us some*

local addressbook file

what to keep around

how long to keep it around

fetch only when needed

when, where and how  
to push changes out



no really, a lot of stuff

fast

easy

reliable

find stuff

strigi

The Social Semantic Desktop

**NEPOMUK**

The logo graphic for NEPOMUK consists of a central black dot with four lines extending from it to four colored circles: a blue circle at the top, a yellow circle at the left, a red circle at the right, and a green circle at the bottom. The circles are arranged in a cross-like pattern.



three modes

ridiculously easy

rather easy



ninja mode

complete models and views

job-based API

text based protocol  
(IMAP's bastard child)

D-Bus

notifications

control

<WHERE ARE WE NOW>

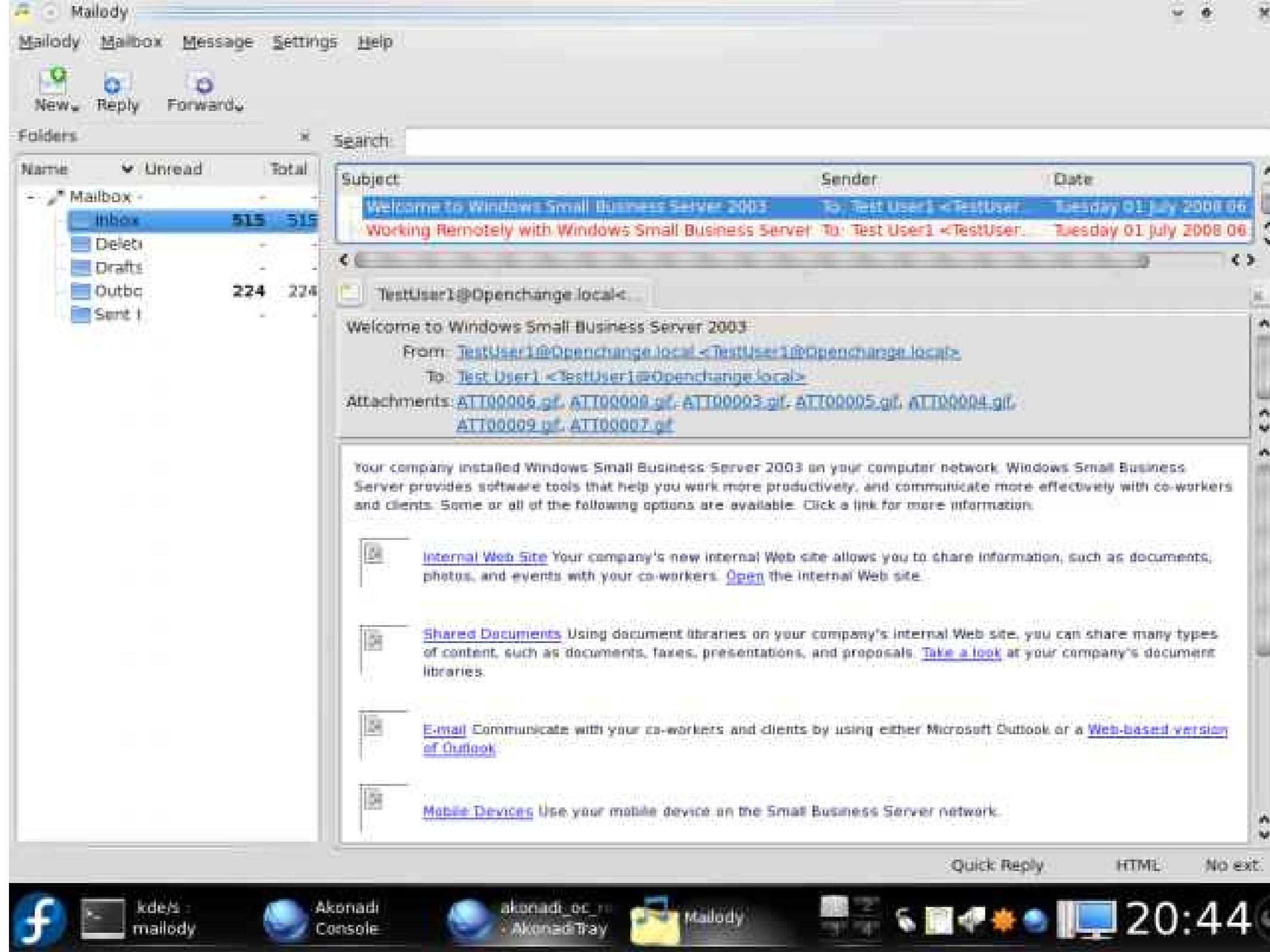
released with KDE 4.1

development platform  
with stable API

detecting deployment issues early

All basic functionality is there,  
surpasses KDE3 KResource  
framework in every aspect

<mailody>



Folders

Name	Unread	Total
Mailbox		
Inbox	515	515
Deleted		
Drafts		
Outbox	224	224
Sent		

Subject	Sender	Date
Welcome to Windows Small Business Server 2003	To: Test User1 <TestUser1@Openchange.local>	Tuesday 01 July 2008 06
Working Remotely with Windows Small Business Server 2003	To: Test User1 <TestUser1@Openchange.local>	Tuesday 01 July 2008 06

TestUser1@Openchange.local <TestUser1@Openchange.local>

Welcome to Windows Small Business Server 2003

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

Attachments: [ATT00006.pdf](#), [ATT00008.pdf](#), [ATT00003.pdf](#), [ATT00005.pdf](#), [ATT00004.pdf](#), [ATT00009.pdf](#), [ATT00007.pdf](#)

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.

- [Internal Web Site](#) Your company's new internal Web site allows you to share information, such as documents, photos, and events with your co-workers. [Open](#) the internal Web site.
- [Shared Documents](#) Using document libraries on your company's internal Web site, you can share many types of content, such as documents, taxes, presentations, and proposals. [Take a look](#) at your company's document libraries.
- [E-mail](#) Communicate with your co-workers and clients by using either Microsoft Outlook or a [Web-based version of Outlook](#).
- [Mobile Devices](#) Use your mobile device on the Small Business Server network.

<what's being worked on>

bindings

RSS support

**Akonadi Console**

File Edit Collection Item Settings Help

Agents Resources **Browser** Debugger

Name Model: Contacts

Given Name	Family Name	Email Address
Search		

Payload

**KPilot**

File Settings Help

HotSync Backup Reset Link

**HotSync**

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

- akonadi\_ical\_resource\_23
- akonadi\_vcard\_resource\_13**
- Search

Given Name	Family Name
Gerrie	Broeksema
Anita	Odink
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	

Payload **Attributes**

The watched

**Save**

**KPIlot**

File Settings Help

HotSync Backup Reset Link

**HotSync**

**HotSync**

**To-do Viewer**

**Address Viewer**

**Memo Viewer**

**Generic DB Viewer**

**File Installer**

**HotSync Log**

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

```

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%

becoming a freedesktop.org project

<What do we want to achieve for 4.2+>

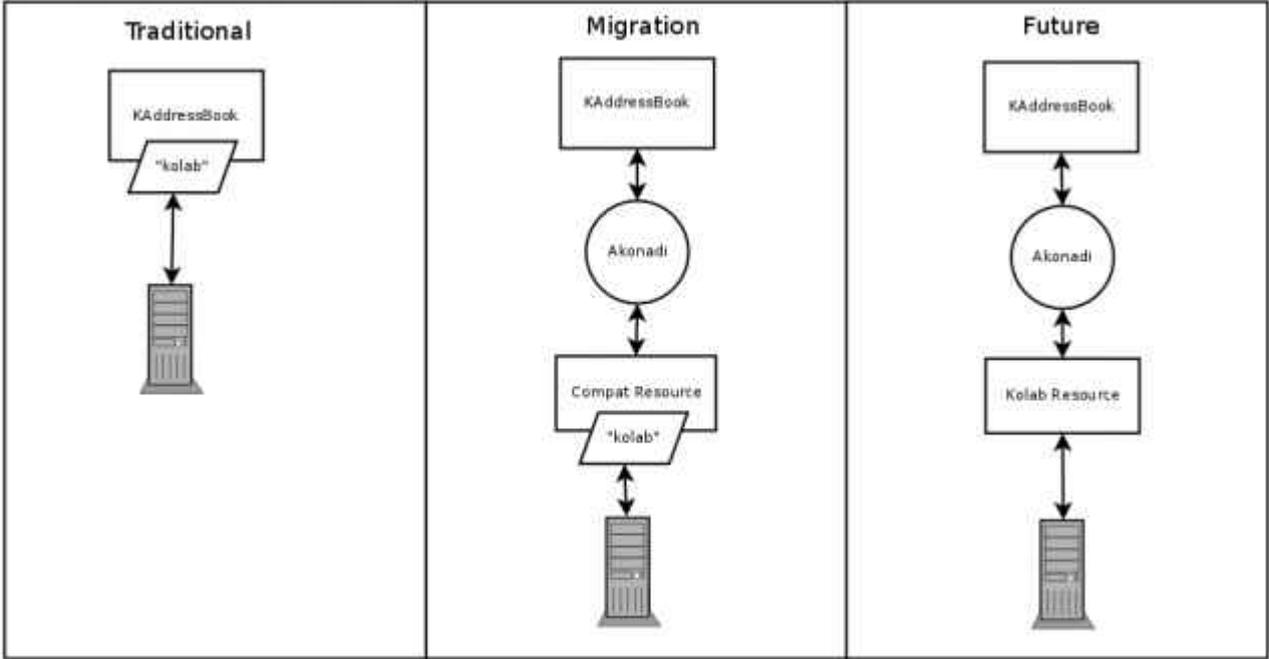
Porting KDE PIM to use Akonadi

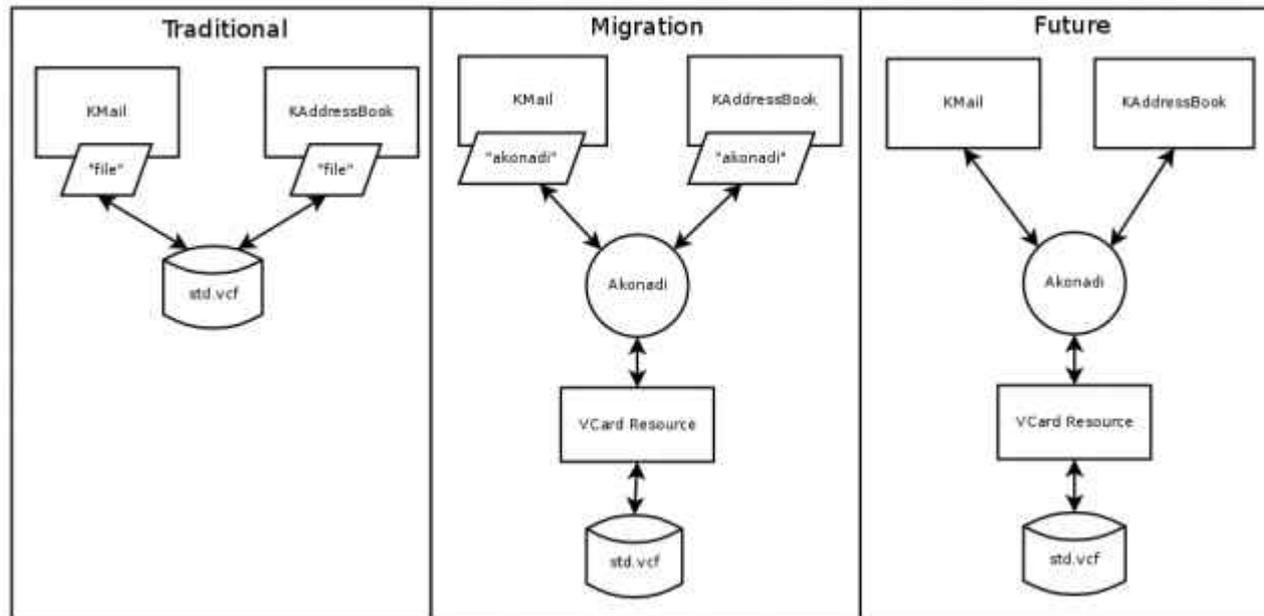
Considerable work, similar to KDE4 port

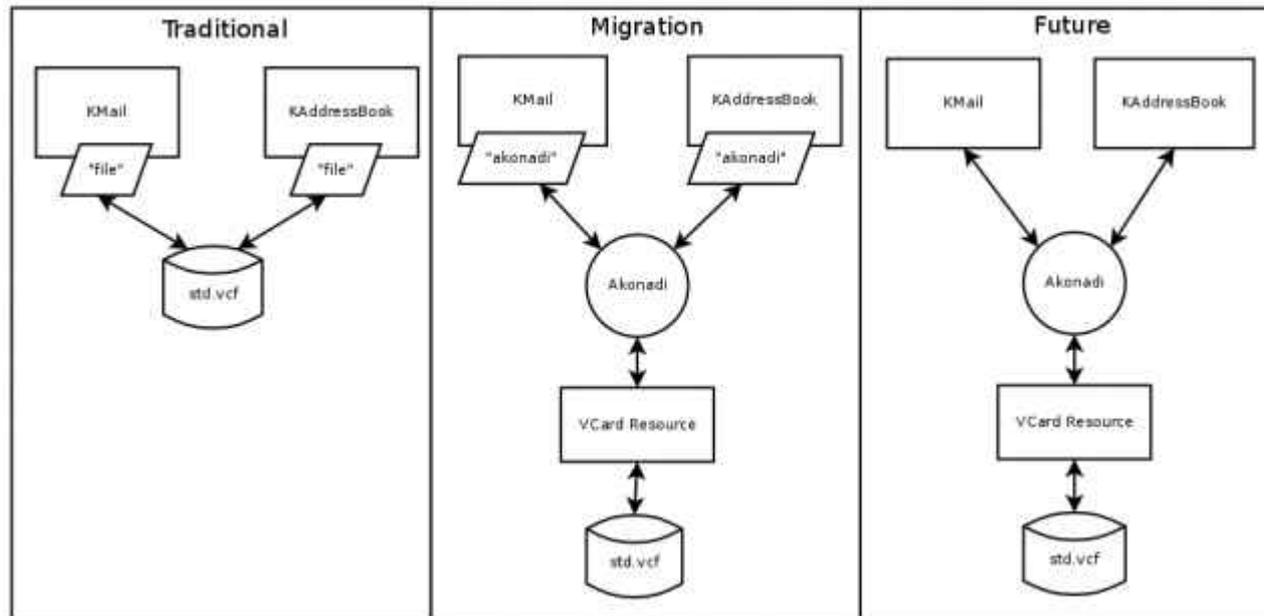
We cannot break KDE PIM  
for two years again

new porting approach needed

<KResources <-> Akonadi bridges>







<top 5 reasons to hack  
on and with Akonadi>

coolest project name ever

logo clearly rocks

**shiny business cards!**

people love their stuff,  
if you get them their stuff,  
they will love you

we could really use some help here

```
def initialize(parent = nil)
  super(parent)
  @mainWindow = parent
  connect( @mainWindow, SIGNAL(:threadCollection),
           self, SLOT(:threadCollection) )
```

```
layout = Qt::HBoxLayout.new(self)
```

```
splitter = Qt::Splitter.new(Qt::Horizontal, self)
layout.addWidget(splitter)
```

```
# Left part, collection view
@collectionList = Akonadi::CollectionView.new
connect( @collectionList, SIGNAL('clicked(Akonadi::Collection)'),
        SLOT('collectionClicked(Akonadi::Collection')) )
collectionDelegate =
Akonadi::CollectionStatisticsDelegate.new(@collectionList)
collectionDelegate.unreadCountShown = true
@collectionList.itemDelegate = collectionDelegate
splitter.addWidget(@collectionList)
# Filter the collection to only show the emails
@collectionModel = Akonadi::CollectionStatisticsModel.new(self)
@collectionProxyModel =
        Akonadi::CollectionFilterProxyModel.new(self)
@collectionProxyModel.sourceModel = @collectionModel
@collectionProxyModel.addMimeTypeFilter("message/rfc822")
```

```
# Right part, message list + message viewer
@messageList = Qt::TreeView.new(self)
@messageList.dragEnabled = true
@messageList.selectionMode =
    Qt::AbstractItemView::ExtendedSelection
connect(@messageList, SIGNAL('clicked(QModelIndex)'),
        SLOT('itemActivated(QModelIndex)'))
rightSplitter.addWidget(@messageList)

@collectionList.model = sortModel
@messageModel = Akonadi::MessageModel.new(self)
@messageProxyModel =
    Akonadi::MessageThreaderProxyModel.new(self)
@messageProxyModel.sourceModel = @messageModel
@messageList.model = @messageProxyModel
```