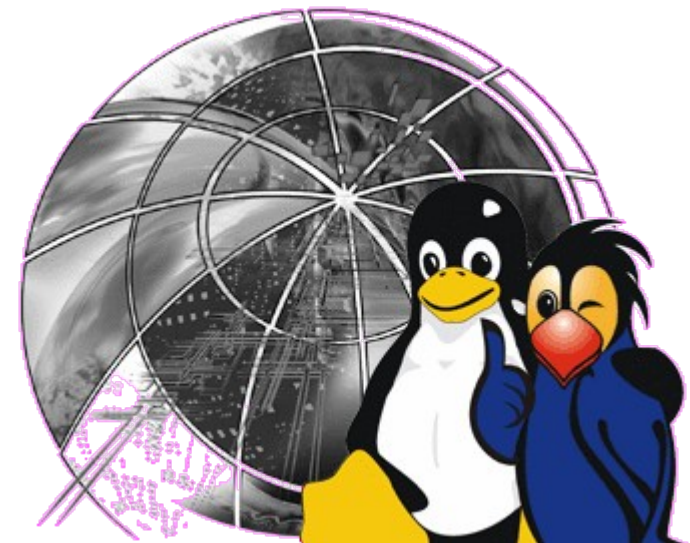


OpenGroupware.org



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Adam Tauno Williams (awilliam@whitemice.org)

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Silos & NIH

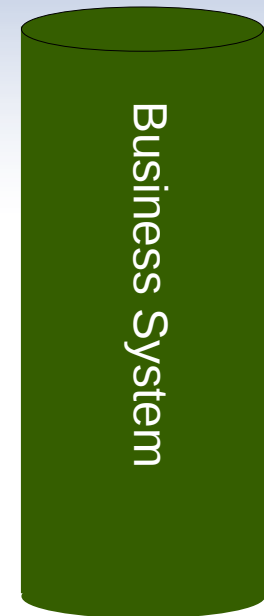
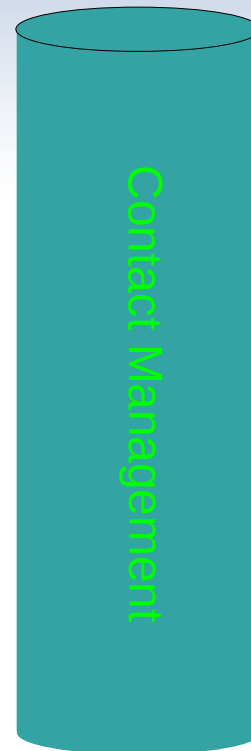
“It is easy to make something that works, it is entirely another matter to make something that works well.”

- NIH (Ground-Up solutions)

- Long-Term support issues.
- Slow to production.
- Small feature set
- Poor auditing / logging
- Security?

- Silo solutions

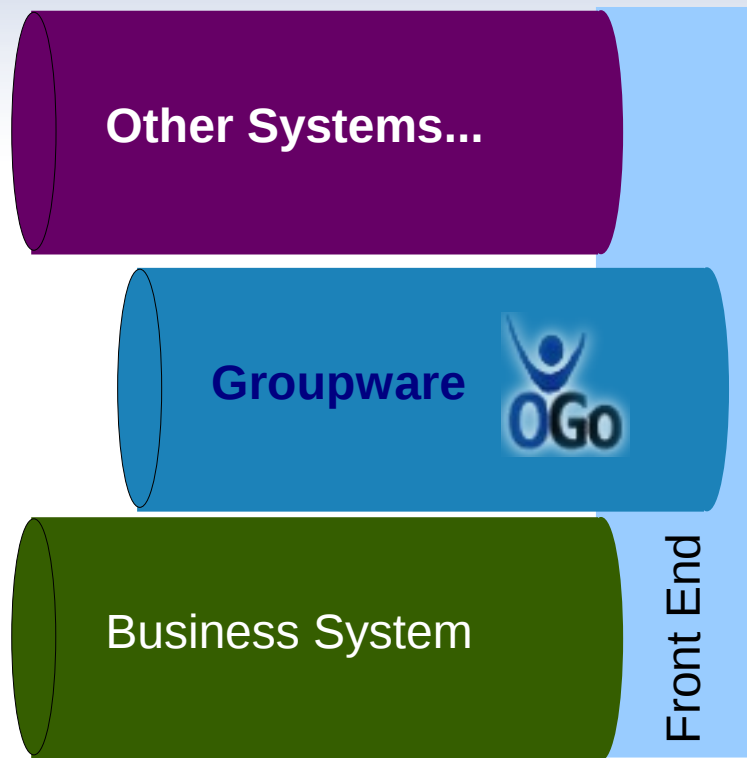
- No cross-integration
- Maintenance burden
 - Keeping numerous applications current.
- Security?



Us, circa 2003

Mash-Up Solutions

Groupware is a platform, not an application.



- Mash-Up solutions dedicate developer effort to the user-interface and specifically the custom portions of the application.

- More efficient use of resources.
- Uses tested and known backend solutions.
- Lower cost and shorter developer time.
- Gains the benefits of all the features of full-featured backend systems.

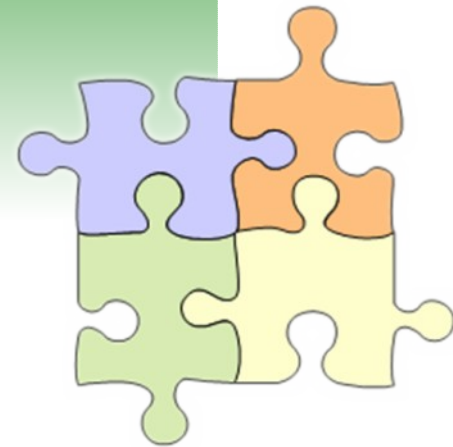
- A groupware solution provides a key component of mash-up solutions in addition to other benefits.

- Address books
- Scheduling
- Task workflow
- Document management

Re-usable components & **OpenGroupware.org**

OpenGroupware provides a collection of collaboration oriented reusable business logic components. Reusing existing components expedites development and provides locally developed applications with enterprise features.

- Scheduling
- Contact Management
- Tasks (w/Workflow!)
- Projects
- Document Management



Great for the central part of mash-up / Intranet applications.



Contact Management

- Multiple phone numbers (number types)
- Multiple addresses (address types)
- Unlimited custom attributes and/or properties.
- Granular access control.
 - Private / Read-only or full ACLs.
- Contacts can be associated to enterprises M:M
- Accessible via
 - WebDAV/GroupDAV (vCard)
 - XML-RPC API



Scheduling

- One calendar
 - Not multiple calendars or per-user calendars.
 - Views driven by participation.
- Granular access control
 - Per event (not per calendar)
- Conflict detection.
 - Support for participant roles, RSVP, & status.
- Integration with contact database.
- iCalendar & XML Free/Busy.
- Flexible query/view control.
- Access via -
 - GroupDAV / CalDAV
 - XML-RPC API
- Read-only access via HTTP GET (iCalendar).
- Notes

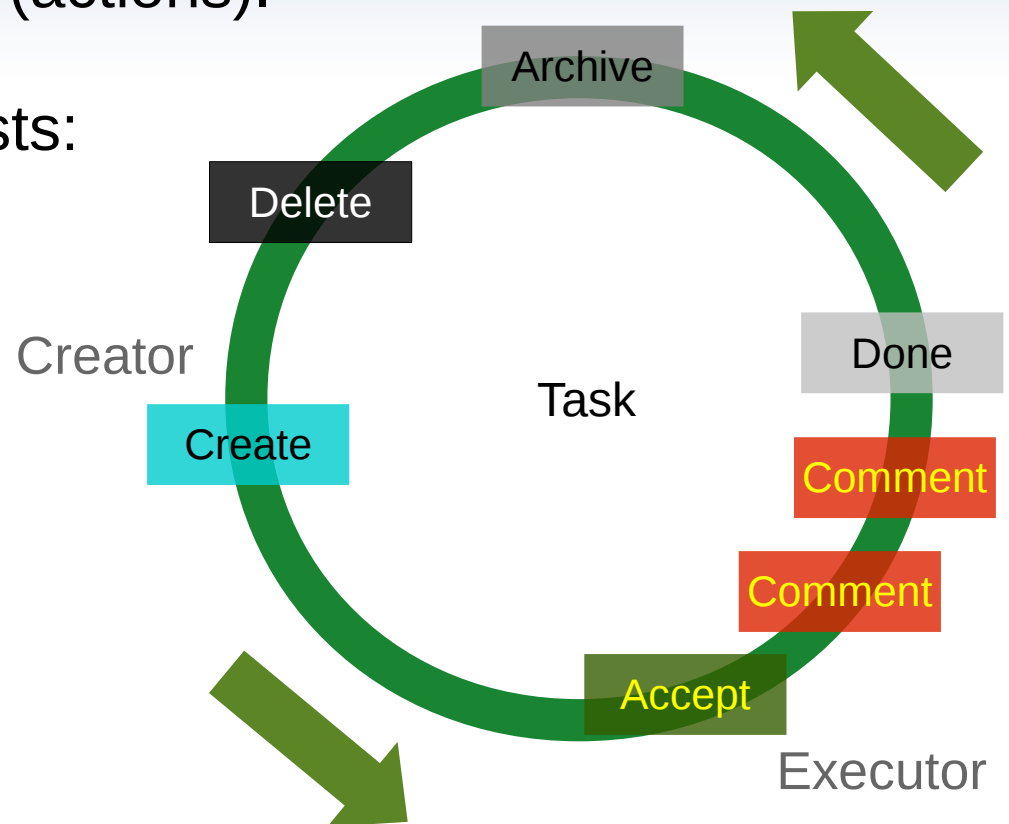


Project Management

- Granular access control
- Integration with contact database
- Document management
 - Versioning
 - Check-out & release
 - Logging
 - WebDAV access.
- Integration with task (workflow) application.
- Notes

Workflow

- Tasks
 - can be delegated to a user or group.
 - can be placed in a project.
 - contain multiple notations (actions).
 - hierarchical.
- Each user has virtual task lists:
 - To do
 - Delegated
 - Assigned
 - Archived



The OpenGroupware Family

Servers / Backends

OpenGroupware (OGo)

- Developed since ~1996
- Objective-C
- Quasi-complete
- WebUI & ZideStore

OGoJ

- Developed since ~2007
- Java
- Google Code

OpenGroupware COILS

- Developed since ~now
- Python
- Sourceforge

Clients

GroupDAV Protocol

- Defined in 2004
- Collaboration over WebDAV
- Incubated in OpenGroupware

RSS

CalDAV

Funambol GroupDAV Connector

Novell Evolution

ZideOne

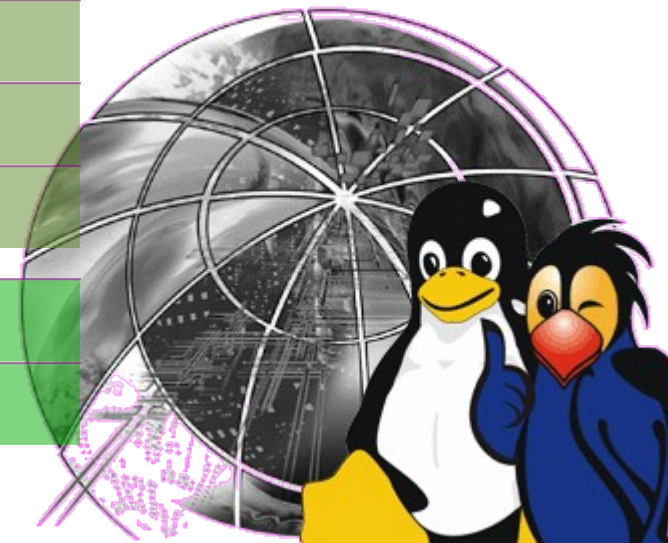
Thunderbird

ZOGI XML-RPC API

- Included in ZideStore

.NET (Consonance)

PHP wrapper provided



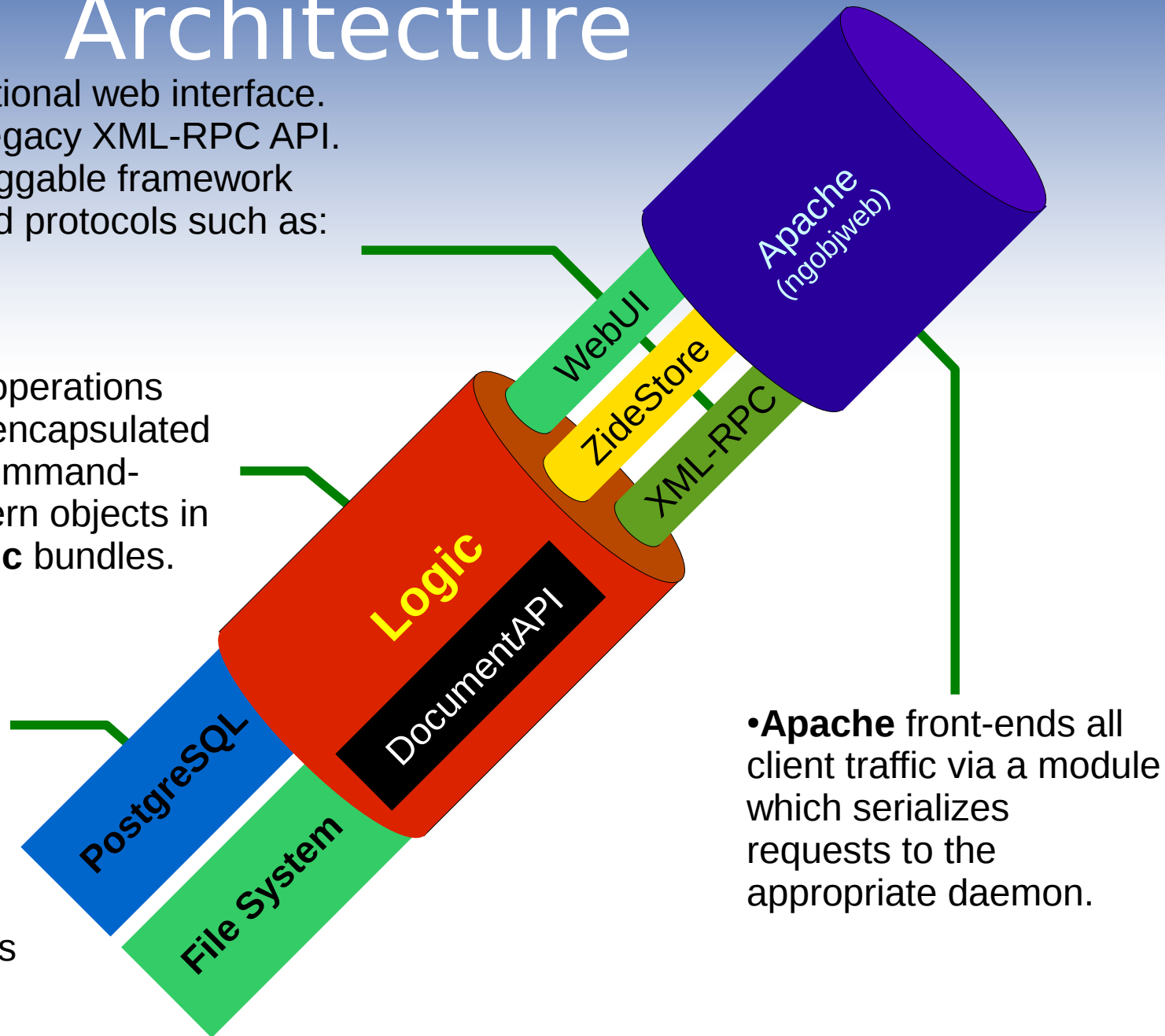
Objective-C Architecture

- **WebUI** provides the traditional web interface.
- **XML-RPC** provides the legacy XML-RPC API.
- **ZideStore** provides a pluggable framework for supporting HTTP based protocols such as:
 - XML-RPC (zOGI API)
 - WebDAV
 - CalDAV
 - GroupDAV
 - etc...

• All operations are encapsulated in command-pattern objects in **Logic** bundles.

• Backend database is provided by the high-performance **PostgreSQL** RDBMS.

• Use your existing IMAP & SMTP infrastructure (Cyrus strongly recommended)



• **Apache** front-ends all client traffic via a module which serializes requests to the appropriate daemon.

WebUI

Teams Resources User Manager News Contacts Companies Projects Calendar Tasks Mails Preferences

You are here: My Teams / Persons

Lookup Contacts

favorites search adv. search full text

adam search

Persons

print Configure Categories/ACLs Business Card Gathering import Email new

Lastname	Nickname	Firstname	Degree	Position	Email 1	Telephone 1
---		Adam				
Adams		Ryan			adams@yahoo.com	
ADAMS		RICK		BUYER		
ADAMS		RICH		PARTS MANAGER		
ADAMS	JASON ADAMS	JASON				
ADAMS		RANDY		Fleet Supervisor		
ADAMS	GILBERT ADAMS	GILBERT		PARTS MGR		
ADAMS	DAVE ADAMS	DAVE				
ADAMS	WALLY ADAMS	WALLY		PARTS MGR.		
ADAMS	CHUCK ADAMS	CHUCK				

Not zazzy Web 2.0 but very power-user friendly.

ZideStore

- Integration service...
 - WebDAV
 - GroupDAV
 - CalDAV
 - “ctag” support under development.
 - XML-RPC (zOGI API)
 - RSS

GroupDAV / CalDAV

<http://www.groupdav.org>

- GroupDAV is a simple standard for groupware servers and clients to exchange basic information in iCalendar and vCard formats.
- It is a small extension of WebDAV and a subset of CalDAV.

Servers

- OpenGroupware (OGo)
- Scalable OpenGroupware (SOGGo)
- Citadel
- Horde
- Open-Exchange
- USA.net

GroupDAV Clients

- Funambol
- Mozilla Thunderbird

CalDAV Clients

- Mozilla Sunbird / Lightning
- Novell Evolution

Monday	Tuesday	Wednesday	Thursday	Friday	Sat/Sun
28 July	29	30 11 ⁰⁰ am Cross Refe	31	01 August 12 ⁰⁰ am SMH SOP	02 Canadian Mission
					03 Canadian Mission
04	05	06 Canadian Mission Trip	07	08	09 11 ⁵⁸ pm
		6 ⁰⁰ pm GRLEOG			10 9 ⁰⁰ pm SC Rerun
11 6 ⁰⁰ pm Earnhart's 9 ⁰⁰ pm SC Rerun	12 9 ⁰⁰ pm SC Rerun	13 11 ⁰⁰ am Elkhart Op 9 ⁰⁰ pm SC Rerun	14 7 ⁰⁰ pm GRLEOG /	15 10 ³⁰ am Vet Appoi 6 ⁰⁰ pm (6 ⁰⁰ pm	16
18 9 ⁰⁰ pm SC Rerun	19 9 ⁰⁰ pm SC Rerun	20 7 ⁰⁰ pm FIRST Mee 9 ⁰⁰ pm SC Rerun	21	22	17 9 ⁰⁰ pm SC Rerun
25	26 8 ⁰⁰ am Doctor's A	27	28	29	23 24 9 ⁰⁰ pm SC: What I
01 September	02	03	04	05 Model-T Festival	30 31 06 07

RSS

The screenshot shows the Liferea RSS reader window. The left sidebar contains a list of subscriptions, including 'Unread (629)', 'OpenGroupware (147)', 'Morrison OpenGroupwa...', 'Software (104)', and 'News (90)'. The main pane displays a table of feed items with columns for 'Date' and 'Headline'. The selected item is 'Purge mailboxes for defunct users (archived by adam)' from the 'Morrison OpenGroupware' feed. The content of this item is displayed in the bottom pane, showing a terminal output of a shell script.

Date	Headline
Jul 01 10:17 AM	PQIRTS Dead Stock Return From TRA (accepted by tchapin)
Jul 01 10:13 AM	PQIRTS Dead Stock Return From GNV (accepted by tchapin)
Jul 01 10:12 AM	PQIRTS WRAF From SBN (accepted by tchapin)
Jul 01 10:10 AM	Intella Warranty Return* (created by mtroost)
Jul 01 10:06 AM	SA Cancellation: Acct #073319 (created by dstevens)
Jul 01 10:06 AM	SA Cancellation: Acct #073318 (created by dstevens)
Jul 01 10:00 AM	Back Up Can-Green and Ipecaca (commented by cleslie)
Jul 01 09:50 AM	BUG: Profile purge script reports lots of 'noise' (archived by adam)
Jul 01 09:47 AM	Purge mailboxes for defunct users (archived by adam)
Jul 01 09:44 AM	Purge mailboxes for defunct users (done by adam)
Jul 01 09:20 AM	Purge mailboxes for defunct users (commented by adam)

Purge mailboxes for defunct users (archived by adam)
Author: adam@morrison-ind.com (adam)
flag bookmark search

```
[root@sardine sbin]# ./listDefunctINBOXs.sh
ameyers
fred
kgibbs
lhawkins
mchism
mwilliam
rhohnke
-
All these have either scheduled deletions or are test accounts.
-----
```

629 unread

zOGI

<http://code.google.com/p/zogi/>

- zOGI is an XML-RPC, specific to OpenGroupware.
 - Provided via a ZideStore bundle.
 - “Stable” version distributed with OpenGroupware
 - “Development” version on Google Code
 - Simple to use, just 13 methods.
 - `getAuditEntries` – Review changes performed to server.
 - `getFavoritesByType` – Get favorited objects.
 - `unflagFavorites` / `flagFavorites` – Manage favorite status.
 - `getLoginAccount` – Get the authenticated user's account info.
 - `getNotifications` – Get pending notifications.
 - `getObjectById` / `getObjectsById` – Request a specific object.
 - `getObjectVersionsById` – Check the version of specified objects.
 - `getTypeOfObject` – Discover what kind of thing an object is (by Id#)
 - `putObject` – Create or update an object.
 - `deleteObject` – Delete an object.
 - `searchForObjects` – Find objects based on criteria.

IV5 & CRM Calendar

via zOGI



iv5 webmail crm manager maintenance logistics mor-space

Morrison Industrial Equipment [Logout](#)

Applications ▾

Quick Links

Calendar

Directory

Documents

Report Generator

Configuration

Welcome, Adam Williams!

Calendar

Person... ▾



April 2008

May 2008

June 2008

July 2008

August 2008



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 Rick Vacation	2 Rick Vacation	3 Rick Vacation	4 Rick Vacation Trivalent Tech Expo	5 Rick Vacation	6 Rick Vacation	7
8 Private Michelle In Chicago	9 Tentative Muskegon Pizza F	10 Xrefr2008: SMH File Review	11 Chris Vacation	12 Chris Vacation	13 Chris Vacation	14 Chris Vacation
15 Chris Vacation	16 Chris Vacation	17 Chris Vacation	18	19	20	21 Private
22	23 Vacation	24 Vacation	25 Vacation	26 Vacation		
29	30					



Powered By
OpenGroupware

JSR Portlet

via zOGI

Liferay - test - Mozilla Firefox 3 Beta 4

abas Intranet-Portal

Willkommen, Tobias Käfer!

Home test Add Page

ABAS Calendar

2008 - 04 - 14 Today Direct link to the calendar system

Appointmenttype Search for group Search for Participants

Day Workweek Week Month ext. Month

Matrix

	Mon 2008-04-14 (16)	Tue 2008-04-15	Wed 2008-04-16	Thu 2008-04-17	Fri 2008-04-18
All day				tok: All Day Event. 2008-04-17 00:00 --- All Day Event	tok: All Day Event. 2008-04-17 00:00 --- All Day Event
Items					
04:00			Participants		
05:00			• Käfer, Tobias (NA)		
06:00					
07:00					
08:00	tok: Um 8:00 Morgens. 2008-04-14.				
09:00					
10:00					
11:00			tok: Test1. 2008-04-16. 11:00 --- 12:00		
12:00					
13:00					
14:00					
15:00					
16:00					
17:00		tok: Test. 2008-04-15. 17:00 --- 18:00			
18:00					
19:00					

Powered By OpenGroupware










MICRMManager

via zOGI

Silicon Mechanics, Inc

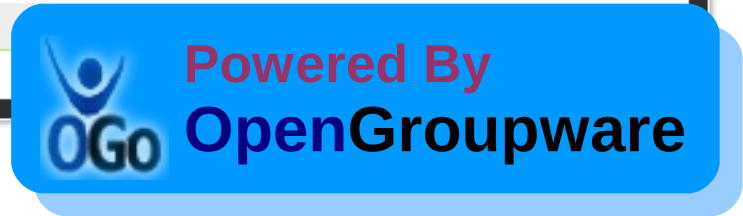
Switch View Contacts

Contact Listing

Name	Position	Phone	Email	CRM ID					
[-]				11194279					
Additional Information									
Mobile		Address	22029 23rd Dr SE						
Fax		City/State/Zip	Bothell, WA 98021-4410						
		Country	USA						
Last Called	N/A	Last Caller	N/A						
Comment									
More...									
   									

Attach Contacts

Search Contacts



Consonance

via zOGI

<http://code.google.com/p/consonance/>

INBOX (117 total, 44 unread) - Evolution

File Edit View Folder Message Search Help

Consonance (Online)

File

Tasks Projects Contacts Enterprises Schedule

To Do Delegated Assigned Archived

Team Tasks

Object Id	Title	Project	Start	Creator
486650	Updated ZOGI Task 5	n/a	2007-04-30	Williams, A
475630	New 1Task 6	n/a	2007-01-12	Williams, A
487650	New task	n/a	2007-05-03	Williams, A
10910	Updated Title	Second Project	2007-12-22	Williams, A
15880	New ZOGI Task 5	n/a	2006-12-31	Williams, A
485140	Team Task	n/a	2007-04-15	Williams, A
475270	Updated ZOGI Task 5	Updated project na	2006-12-30	Williams, A
15940	Updated ZOGI Task 5	n/a	2006-12-15	Williams, A
11040	Updated ZOGI Task 5	n/a	2006-12-31	Williams, A
488110	New task	n/a	2007-05-04	Williams, A

Task#11040: Updated ZOGI Task 5

File

Details History Links Audit

Title: Updated ZOGI Task 5

Keywords: ZOGI

Start: 2006-12-31 Due / End: 2007-01-30 Creator: Williams, Adam Executor: Williams, Adam

Complete: n/a Status: Rejected Notification: Always Priority: Average Sensitivity: Public Percentage: 0

Project: n/a

Work: Actual 75 Total 75 Miles 14 miles

Outlook Properties: Accounting Info, Associated Contacts, Associated Companies

Project Assignment For Task#11040

All name Find

Id	Name	Kind	Owner	Number
479260	Updated project name		Williams, Adam	P479260
479340	Updated project name		Williams, Adam	P479340
479410	Updated project name 3		Williams, Adam	P479410
479610	Updated project name 3		Williams, Adam	P479610
480400	Updated project name 3		Williams, Adam	P480400
486370	Updated project name 3		Williams, Adam	P486370
479230	Update Name		Williams, Adam	Project Num

Under development...

Powered By OpenGroupware

ZideOne

via GroupDAV

<http://www.zideone.com/>

Under development...

- A commercial connector for Microsoft Outlook for GroupDAV servers.
 - A true MAPI message store provider.
 - Not a synchronize solution.
- Based on the ZideLook product.
 - ZideLook is a commercial Microsoft Outlook connector specifically for OpenGroupware.
 - ZideLook has been in production environments since ~2002.

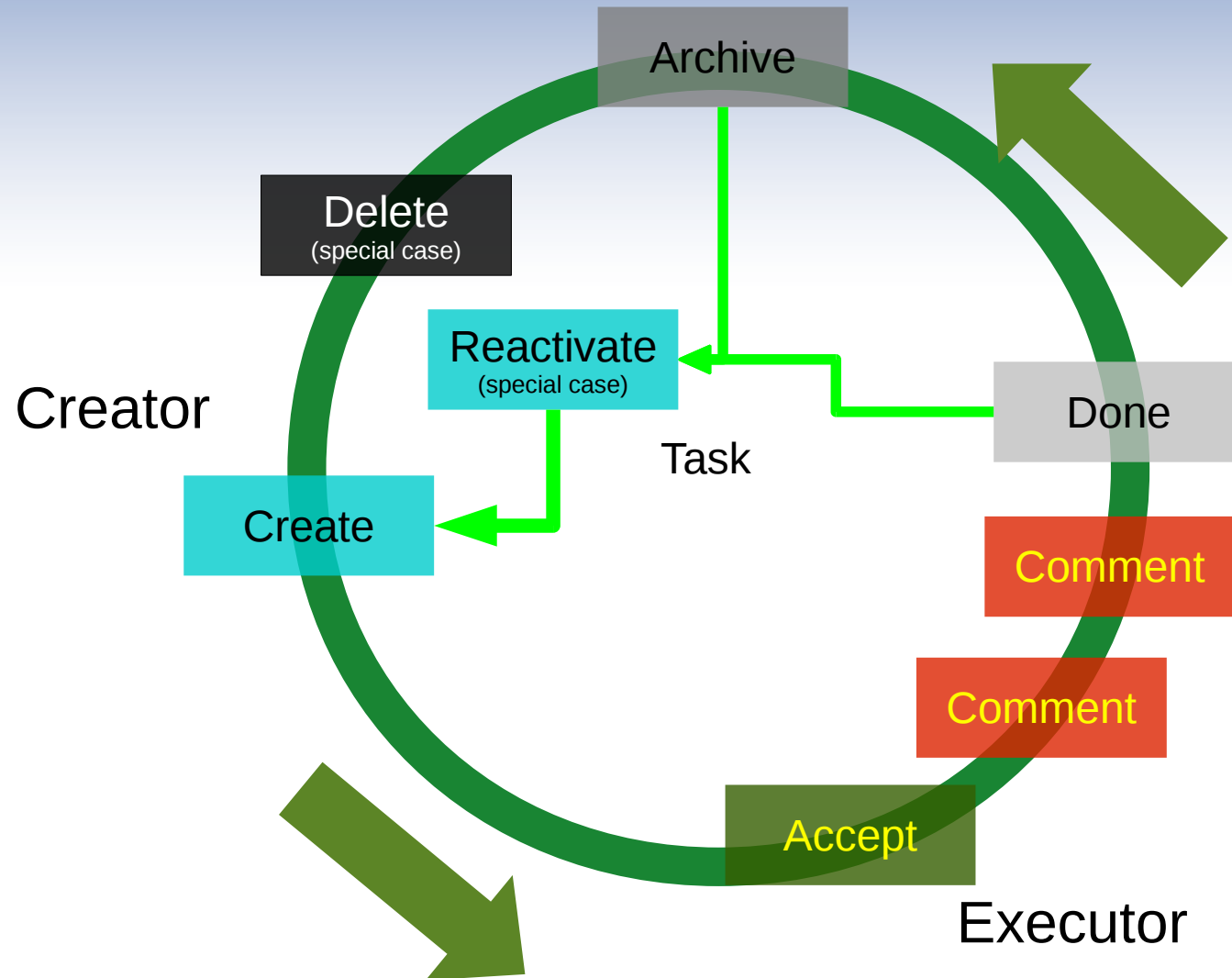


Develop a Message Store Provider

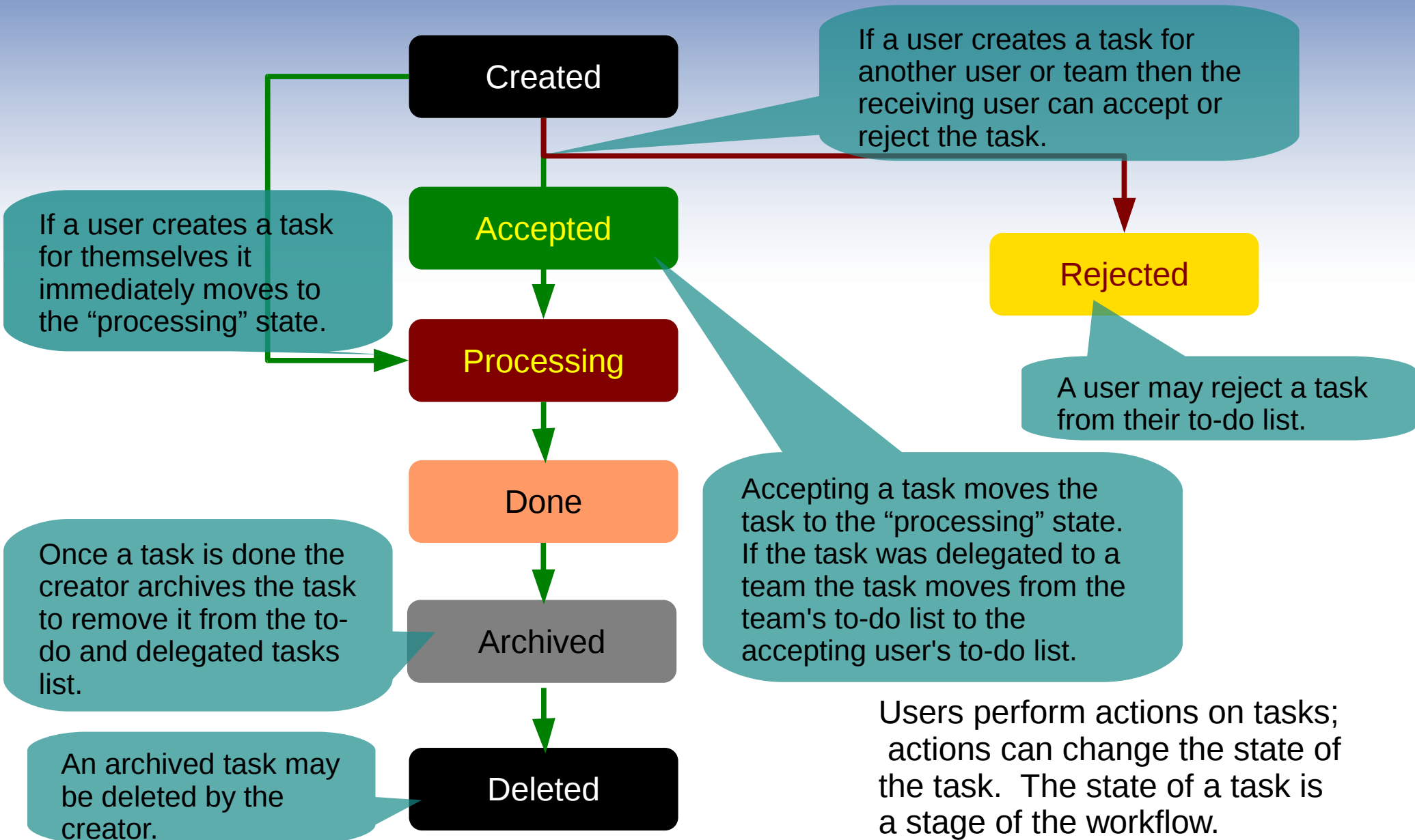
<http://msdn.microsoft.com/en-us/library/ms527956.aspx>

Misc...

Task Life Cycle



Task Workflow



Data Model

