OpenGroupware
Phoenix from the ashes

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Agenda

- Introduction and History
- Porting to GNUstep
- New features
- Short demo
OpenGroupware

- Shared calendar, contacts
- Web mail interface
- Tasks
- Database back-end
- LDAP or database authentication
- Project management
- Scripting interface
- WebDAV, GroupDAV, ...
History

 Wishlist

Initially developed by Skyrix as SKYRIX5
Roots in the Mid 90s, “LSOffice” developed by MDLink GmbH
Relased as OpenSource (GPL/LGPL) in 2003, but still parts closed source (snsd)
Based on gnustep-make 1.1
Foundation library used was libFoundation
SOPE application server
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Porting

- From gnustep-make 1.X to 2.X
- From libFoundataon to gnustep-base
- Now based on the SOPE fork from Inverse.ca (the main company behind SOGo)
- Porting actually started about 3 years ago in the gsmake2 branch in the old Open-Groupware SVN
Getting serious

- Old branch was forked and moved to SourceForge beginning last year
  www.sf.net/projects/opengroupware
- First started with cleaning up the make-files from old cruft, getting them nicely in shape with gnustep-make 2.x
- Build against gnustep-base and SOPE from Inverse
SOPE and gnustep-make2

Initially, SOPE/SOGo from Inverse was also based on gnustep-make 1.x and older gnustep-base releases.

Those first had to be ported to gs-make2 and made work with actual gnustep-base releases.

This took a while, but finally it worked and the Makefiles were in a good shape so that it got accepted upstream.
Porting OGo initial steps

- Getting the Makefiles updated for gnustep make 2.x
- Build against gnustep-base and new SOPE
  - A couple of patches were required to get it to compile at all
- Run it → Yay it crashed all over the place
- Here the real fun starts
  - Fire up gdb, try fixing the lots of differences between gs base and LF
Fixing here and there

- Ran into a bug in GNUstep base
- Ran into a couple of bugs in SOPE
  - Some problems affecting SOGo and OGo
- Well, lots of fixes also in OGo needed

Problem categories:
- double frees
- Accessing already released objects
- Access arrays/strings beyond bounds
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New Features

_integration of location based services_
- Geocode addresses to get coordinates
- Ability to add icons to addresses to look up information based on the address on the web
- Show list of contacts via markers on google maps

CTI with Asterisk
- Trigger phone call via the Web Interface
What we have now

- OpenGroupware-5.5rc1
- Compiles with gcc (tested with 4.2.1 and 4.6.X)
- Compiles with llvm/clang
- Compiles with libobjc2
  - Also with non fragile ABI
- Mostly tested on OpenBSD, and OpenSUSE
- All the tests so far show, we have a fairly stable RC1
Outlook

✿ For rc2
  ● Update documentation (WMOGAG)
  ● Potentially fix more bugs found by users
✿ Maybe more RC versions, depending on bugs found and feedback
✿ A final release in summer this year
✿ Further releases with new enhancements ;)

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Where do I get it?

➲ www.opengroupware.us
➲ www.sf.net/projects/opengroupware
➲ Sources, bug tracker, m/l on SourceForge
➲ You want to help out? No problem, test give feedback, send in patches, or become a project member!
Demo